

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 1.

PHILADELPHIA, WEDNESDAY, JANUARY 6, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

DEXTER

Portland



Cement

HIGHEST STANDARD ATTAINABLE

SAMUEL H. FRENCH & CO.

Sole Agents

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

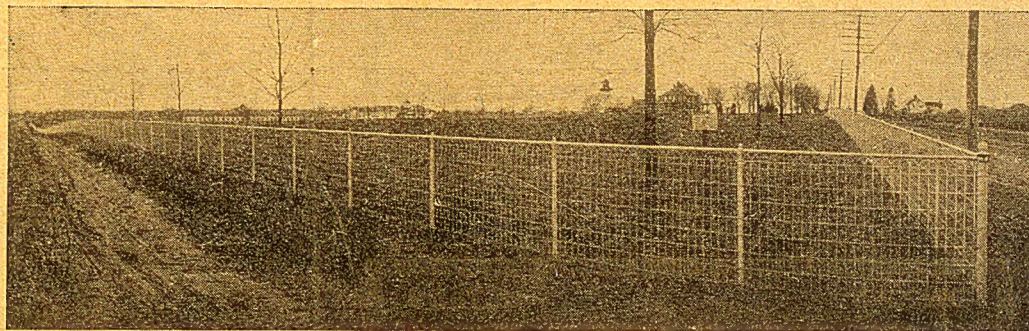
TELEPHONES—Bell, Market 1924

Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

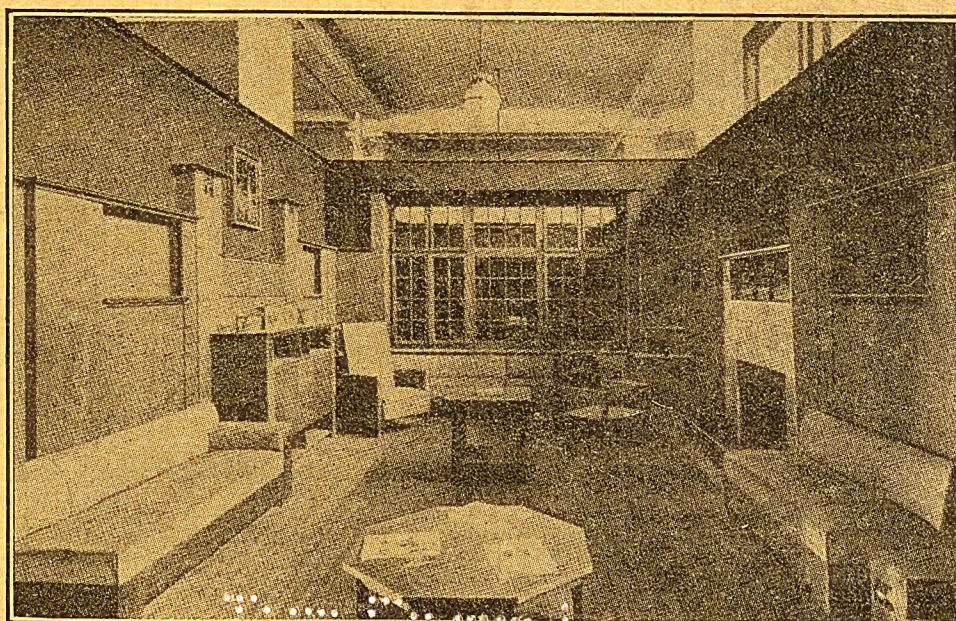
Correspondence Solicited.

Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City



COMPO BOARD

THE GREAT SUBSTITUTE FOR LATH AND PLASTER

Quick and Clean Partition Work.

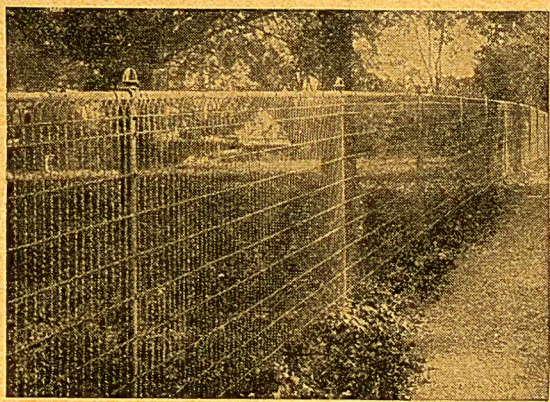
The Original and Real Article. The only board, a repeater. Sample will
convince you.

SEE OUR EXHIBIT AT THE BUILDERS' EXCHANGE

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens **ANCHOR POST FENCES**

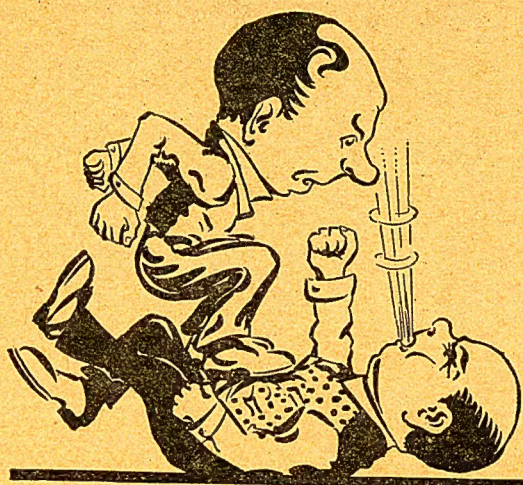
are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



“Get the Jump on Your Competitors”

Join the “Live Wires”

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

“DAILY BUILDING NEWS”

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges
Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO. Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

DESIGNS

DETAILS

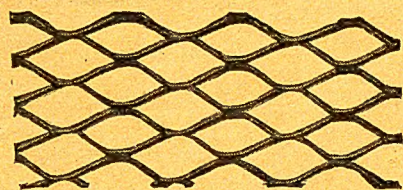
CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

“BILCO” Expanded Metal Lath



“Bilco” Diamond Mesh

is the highest grade metal lath. Par-
ticularly suited for lathing domes, cor-
nices, ceilings, etc.

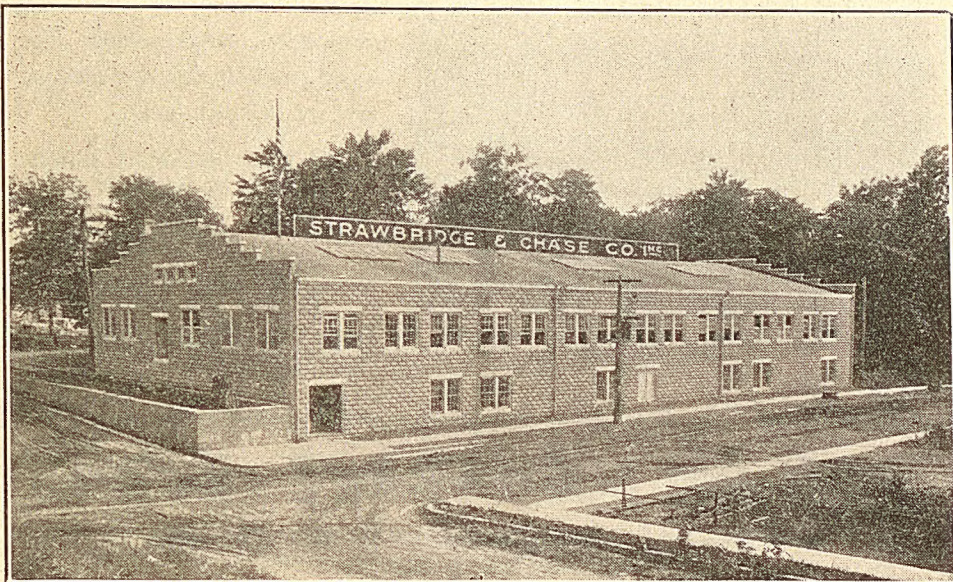
Made in sheets 24x96 in., 1 7-9 sq. yds.,
in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to
the bundle.

BUILDERS STEEL PRODUCTS CO.,

“Bilco” Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.



Like Cæsar's wife, "F-S" Products
are above suspicion.

"Ef-Es-Co" is thoroughly reliable when you want rich, artistic effects on walls, ceilings, interior woodwork, metal surfaces, etc. Working like paint, wearing like enamel, it gives a dead flat surface—hard, smooth and washable. Pure white or various popular shades.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(109)

WARNER "ALCA" LIME

Trade Mark
(PATENTED)

A perfect and most economical cementitious material for all-around use in mortars, stuccos and in plasters, inside and outside.

Prepared with and without hair.

A reasonably quick hardening, highly plastic, hydrated lime, ready for immediate use for all purposes.

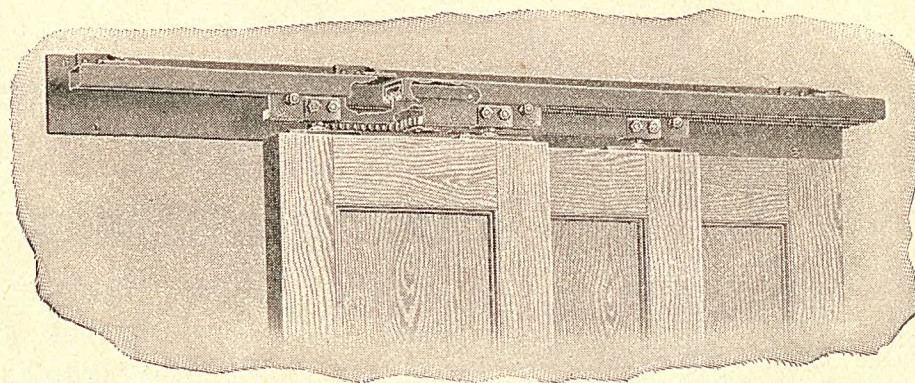
Contains the good features of Portland Cement, Gypsum Plaster and Cement.

Send for Trade Bulletin on Warner "Alca" Lime and for further information consult

Charles Warner Company
Philadelphia, Pa.

Wholesale Office, 810 Land Title Building.
Retail Yard 30th and Spruce Streets.

IDEAL Elevator Hanger



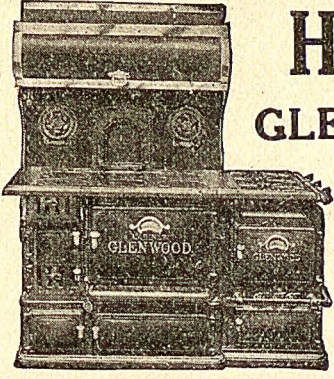
**IDEAL in Name and Action
"And Made in America"**

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

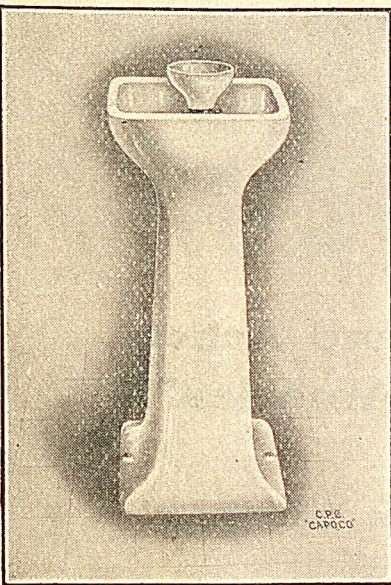


Plate 206 D

"CAPOCO"

Sanitary Vitreous Earthenware

Vitreous China Square Pedestal Bubbler Drinking Fountain, suitable for Hotels, Hospitals, R. R. Stations and all public places. We manufacture a complete line of Drinking Fountains.

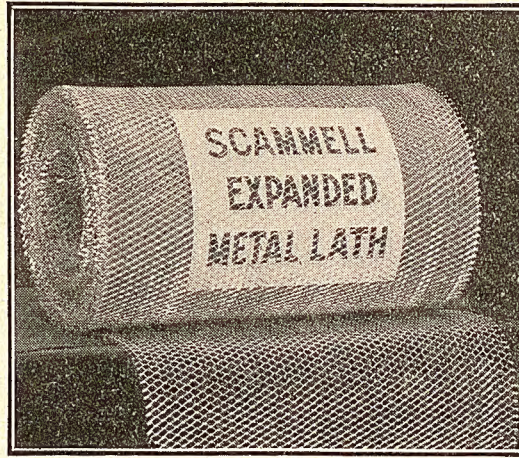
Write for *Catalogue D.*

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing
Land Title Bldg., Phila., Pa.

UNIFORM CONTRACT FORMS

As adopted and recommended by the American
Institute of Architects

"Standard" Blanks for the Building Trade.
Certificate Books.
Builders Levels, Transits and Rods from
\$15.00 up. Measuring Tapes.
Blue Printing.—Drawing Materials.

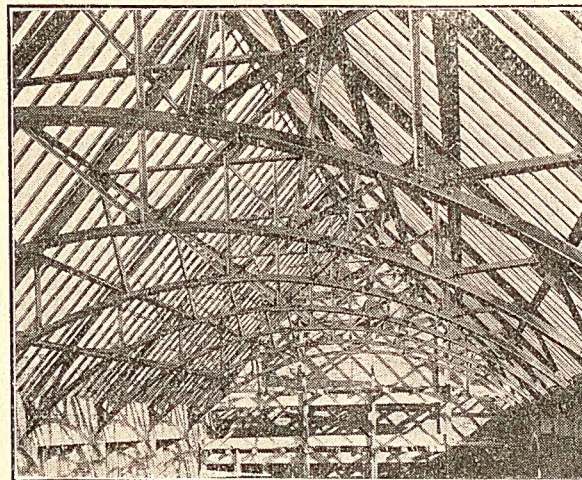


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



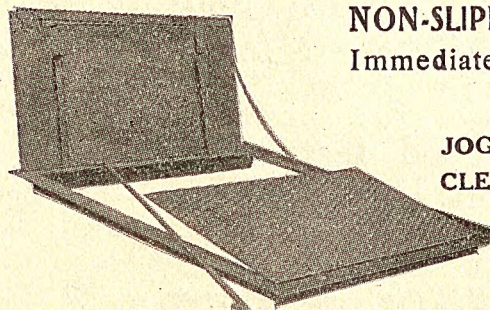
W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

BUILDERS' SPECIALTIES



NON-SLIPPING FLUSH CELLAR DOORS

Immediate Shipment. Low Prices.

We also carry in stock:

JOGGLES	WALL TIES
CLEANOUT DOORS	DAMPERS
STIRRUPS	ASH DROPS
JOIST HANGERS	POST CAPS
JOIST AND STONE ANCHORS	

Write for Price List. Dept. A. Both Phones.

BUILDERS IRON WORK CO. 217 N. 15th St.
PHILADELPHIA

BAIRD-OSTERHOUT CONSTRUCTION CO.

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 1.

PHILADELPHIA, WEDNESDAY, JANUARY 6, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Stable, 1230 Fitzwater street, Philadelphia, \$2,000. Architect, private plans. Owner, Frank B. Nardy, 1228 Fitzwater street, Philadelphia. Brick, 3 stories, 16x75 feet, slag roof, steam heating, electric lighting. Owner taking sub-bids.

Picture Theatre (alt. and add.), 4817 North Broad street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Logan Amusement Co., on premises. Brick, concrete and terra cotta, fireproof, 1 story, 50x150 feet, slag roof, steam heating, electric lighting, metal lath. Architect ready for bid.

Ice Manufacturing Plant (add.), Third and Norris streets, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Norris Ice Manufacturing and Cold Storage Co., on premises. Brick and concrete, 2 stories, 38x80 feet, iron roof, electric lighting, asphalt floors. Architects taking bids, due January 8th. The following are figuring: Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Geo. Kessler Cont. Co., Drexel Building; John N. Gill Co., Heed Building, all of Philadelphia.

Power Plant, Holmesburg, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Department of Public Health, City Hall, Philadelphia. Stone, fireproof, 1 story, 70x116 feet, slate roof, electric lighting, metal lath, waterproofing and damp-proofing, enamel brick, safety treads, metal frames and sash. Owners taking bids, due January 12th. In addition to those previously reported, Mitchell Bros., 2125 Race street; W. W. Anstine Co., 1214 Filbert street; J. E. & A. L. Pennock, Land Title Building; Chas. McCaul Co., 1713 Sansom street; Ketcham & McQuade, 1029 Brown street; P. M. Sax, Heed Building; Bailey-Lush Co., 201 North Broad street; F. Roe Searing, Perry Building; Abel Bottoms & Sons Co., 41 South Fifteenth street; McCloskey-Bahl, Hale Building; Thomas Reilly, 1616 Thompson street; Eugene Tourison, 1001 Chestnut street, are figuring.

Nurses' Home, Observation Building, Scarlet Fever Ward and Corridor, Second and Luzerne streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia.

Owners, Department of Public Health, City Hall, Philadelphia. Brick and stone, fireproof, 1 and 1 and 4 stories, 40x120 feet, 60x64 feet, composition floors, metal lath, waterproofing and damp-proofing, metal frames and sash, safety treads. Owners taking bids, due January 12th. In addition to those previously reported, the following are figuring: Mitchell Bros., 2125 Race street; W. W. Anstine Co., 1214 Filbert street; J. E. & A. L. Pennock, Land Title Building; Charles McCaul Co., 1713 Sansom street; Ketcham & McQuade, 1029 Brown street; P. M. Sax, Heed Building; Bailey-Lush Co., 201 North Broad street; F. Roe Searing, Perry Building; Abel Bottoms & Sons Co., 41 South Fifteenth street; McCloskey-Bahls, Hale Building, Thos. Reilly, 1616 Thompson street; Eugene Tourison, 1001 Chestnut street.

School, Pratt and James streets, Tacony, Philadelphia, \$150,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick and stone, fireproof, 3 stories and basement, 125x151 feet, composition roof, maple floors, metal lath, waterproofing, metal ceilings, safety treads, enamel bricks, metal frames and sash, iron fence (steam heating and electric lighting separate bids). Owners taking bids, due January 8th. The following are figuring: Thos. Reilly, 1616 Thompson street; W. W. Anstine Co., 1214 Filbert street; Cramp & Co., Denckla Building; Wm. R. Dougherty, 1610 Sansom street; Ed. F. Fonder, Land Title Building; Harry Gill, Jr., 2515 Germantown avenue; P. J. Hurley, 1233 Cherry street; William Linker Co., Heed Building; Chas. McCaul Co., 1713 Sansom street; Mitchell Bros., 2125 Race street; F. Roe Searing, Perry Building; A. Whitehead, Inc., 1624 Latimer street; H. H. Wehmeyer, 1004 West Lehigh avenue; Abel Bottoms & Sons Co., 41 South Fifteenth street; H. E. Baton, Twelfth and Sansom streets, Ketcham & McQuade, 1029 Brown street.

School (add.), Eighth and Mifflin streets, Philadelphia, \$100,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Stone, fireproof, 3 stories and base-

ment, 71x93 feet, composition roof, enamel brick, metal ceilings, metal lath, metal frames and sash, iron fences, waterproofing (steam heating and electric light separate bids). Owners taking bids, due January 8th. The following are figuring: Thos. Reilly, 1616 Thompson street; W. W. Anstine Co., 1214 Filbert street; Cramp & Co., Denckla Building; Wm. R. Dougherty, 1610 Sansom street; Ed. F. Fonder, Land Title Building; Harry Gill, Jr., 2515 Germantown avenue; P. J. Hurley, 1233 Cherry street; Wm. Linker Co., Heed Building; Chas. McCaul Co., 1713 Sansom street; Mitchell Bros., 2125 Race street; F. Roe Searing, Perry Building; A. Whitehead, Inc., 1624 Latimer street; H. H. Wehmeyer, 1004 West Lehigh avenue; Abel Bottoms & Sons Co., 41 South Fifteenth street; H. E. Baton, Twelfth and Sansom streets; Ketcham & McQuade, 1029 Brown street, Philadelphia.

School (add.), Seymour and Knox streets, Germantown, \$35,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick and stone, fireproof, 3 stories, 36x62 feet, tin, slate and slag roof, metal lath, waterproofing, metal frames and sash, enamel brick, metal ceilings (steam heating and electric lighting separate bids). Owners taking bids, due January 8th. The following are figuring: Thos. C. Trafford, 1613 Sansom street; Standard Const. Co., Drexel Building; Geo. F. Pawling Co., Broad and Vine streets; E. C. Durell, 1713 North Twenty-fourth street; Thos. Reilly, 1616 Thompson street; W. W. Anstine Co., 1214 Filbert street; Cramp & Co., Denckla Building; Wm. R. Dougherty, 1610 Sansom street; E. F. Fonder, Land Title Building; Harry Gill, Jr., 2515 Germantown avenue; P. J. Hurley, 1233 Cherry street; Wm. Linker Co., Heed Building; Chas. McCaul Co., 1713 Sansom street; Mitchell Bros., 2125 Race street; F. Roe Searing, Perry Building; A. Whitehead, Inc., 1624 Latimer street; H. H. Wehmeyer, 1004 West Lehigh avenue; Abel Bottoms & Sons Co., 41 South Fifteenth street; H. E. Baton, Twelfth and Sansom streets; Ketcham & McQuade, 1029 Brown streets, all of Philadelphia.

BLACK LINE PRINTS

DIRECT FROM TRACINGS.

Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

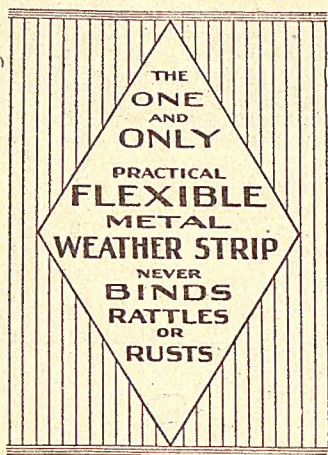
Made on
TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



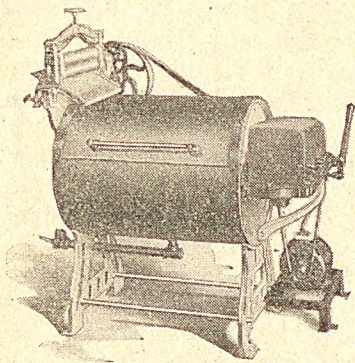
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

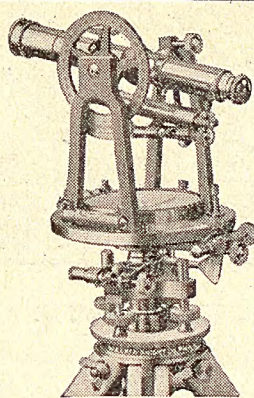
Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
114 N. 2nd St., Phila.



POINTS WORTH CONSIDERING

ACCURACY, DURABILITY and EFFICIENCY are three necessary requirements in the use of a Transit or a Level. Our new Model No. 35

"Sterling" Builders' Transit

fully meets these requirements, and at a price within your reach.

Write TO-DAY for Vest Pocket Manual of Adjustments, Circular containing "Points Worth Considering" and details of FREE TRIAL OFFER. Special terms of payment now available.

WARREN-KNIGHT COMPANY

Designers and Makers of "Sterling" Transits and Levels
136 N. TWELFTH STREET PHILADELPHIA, U. S. A.

Store, Oak Lane, Philadelphia. Architect, private plans. Owners, Acme Tea Co., Second and Noble streets, Philadelphia. Brick, 1 story, 23x85 feet, slag roof, hot air heating, gas lighting. Owners taking bids. The following are figuring: Thos. C. Trafford, 1613 Sansom street; Ed. Fay & Sons, 2 South Mole street; Harry Davis, 5100 Westminster avenue., all of Philadelphia.

Market House and Bakery, 954 and 956 Marshall street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, Charles Ellman, 314 North Second street, Philadelphia. Brick and concrete and steel, 1 and 2 stories, 22x178 feet and 22x60 feet, slag roof, electric lighting, concrete floors, waterproofing. Revised plans in progress.

Residence (alt. and add.), Wissahickon avenue and Hortter street, Germantown. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Joseph Wasserman, on premises. Stone, 2½ stories, slate roof, hot water heating, electric lighting, canvas roof. Architect has received bids.

Stable, 15 Christian street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, Samuel Tucker, on premises. Brick, 1 story, 42x56 feet, slag roof. Owner ready for bids.

Store and Dwelling (alt. and add.), 4431 Frankford avenue, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Harry Krawitz, 4429 Frankford avenue, Philadelphia. Consists of new front, electric lighting, hardwood floors. Plans in progress. Owner will take bids.

Warehouse (alt. and add.), 226 North Tenth street, Philadelphia. Architects, B. J. Medoff & Sons, 524 Walnut street, Philadelphia. Owner, Harry L. Halpern, 226 North Tenth street, Philadelphia. Brick, 3 stories, 20x65 feet, slag roof, hot air heating, electric lighting, elevator. Architects have received bids.

Factory and Store Building (fire repairs), 1231-33 Filbert street. Architect, private plans. Owner, Robert Patterson Estate, 3348 North Fifteenth street, Philadelphia. Brick, 5 stories, slag roof, electric lighting. Owner has received bids.

Apartment House (alt. and add.), Seventh and Spruce streets, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick, 4 stories, 25x96 feet, slag roof, steam heating, electric lighting, oak floors. Architect ready for bids.

Store and Office Building, 38 West Cheltenham avenue, Germantown, \$10,000. Architect, private plans. Owner, Walter Steumpfig, School lane and Germantown avenue, Germantown. Brick, 2 stories, 20x70 feet, slag roof, steam heating, electric lighting, metal lath. Build-

er, H. P. Schneider, 3713 York road, is taking sub-bids.

Apartment House (alt.), West Philadelphia, \$40,000. Architect, private plans. Owners, Fulton & Co., 38 South Fortieth street, Philadelphia. Reinforced concrete, slag roof, 3 stories, iron balcony, electric lighting, tile floors, steam heating. Owners taking sub-bids.

Store (alt. and add.), 809-811 Chestnut street, Philadelphia. Architects (associated), Carl P. Berger, 1418 South Penn Square, Philadelphia, and L. E. Denslow, New York City. Owners, United Cigar Stores Co., 44 West Eighteenth street, New York City. Brick, consists of interior alteration and addition, new bulks, steam heating, tile floors (electric lighting separate bids). Architects taking bids, due January 6th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Burd P. Evans Co., Thirteenth and Wallace streets; E. E. Hollenback, Fifteenth and Race streets; Edw. Fay & Sons, 2 South Mole street, all of Philadelphia.

Inn, 1301-1307 Ridge avenue, Philadelphia, \$25,000. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owners, Estate of J. F. & R. S. Betz, 415 Callowhill street, Philadelphia. Brick, 3 stories, 105x57 feet, slate and tin roof, electric lighting, steam heating, metal ceilings, bar fixtures, marquee and fire escapes. Architect taking revised bids, due January 11th. The following are figuring: Burd P. Evans Co., Thirteenth and Wallace streets; Ketcham & McQuade, 1029 Brown street; Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Stacy Reeves & Sons, 2011 Market street; Wm. R. Dougherty, 1610 Sansom street; H. P. Schneider, 3715 Old York road; A. L. Fretz & Sons, 1222 Chancellor street; Freund-Seidenbach Co., Bulletin Building; George Kessler Cont. Co., Drexel Building; Chas. C. Pace, Merion, Pa.; E. E. Hollenback, Fifteenth and Race streets.

Garage, Ruth and Clearfield streets, Philadelphia. Architect, private plans. Owner, Horace Linton, Ruth and Clearfield streets, Philadelphia. Brick, 1 story, 50x60 feet, slag roof, steam heating, electric lighting (gasoline storage reserved). Work started.

Residence (alt. and add.), Prospect avenue and Newton avenue, Chestnut Hill, Philadelphia. Architect, private plans. Owner, Wm. H. Lister, 1020 Chestnut street, Philadelphia. Stone, 2½ stories, consists of interior alteration and addition (hot water heating and electric lighting reserved). Plans in progress.

Residences (48), Westmoreland and Cedar streets, Philadelphia. Architect, private plans. Owner, F. B. Buchanan, Bailey Building, Philadelphia. Brick, 2 stories, 16x50

UNITAS TILING

A non metallic substitute for
tile and wood

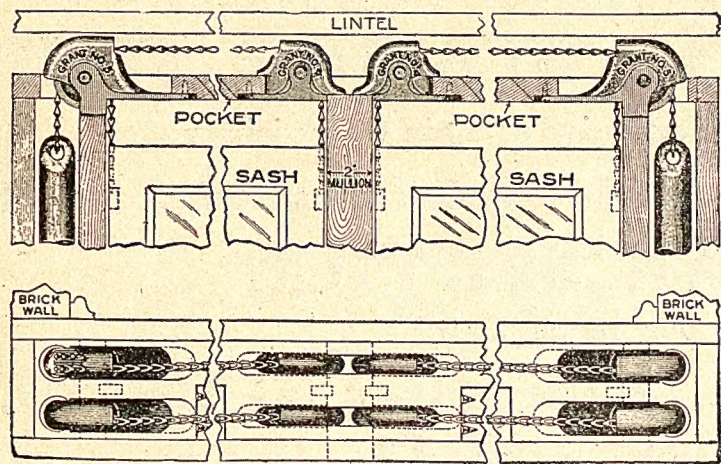
Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

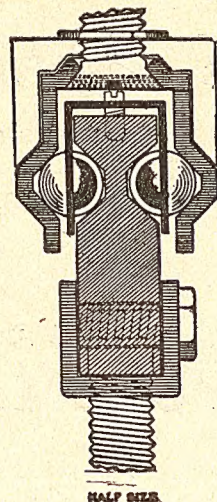
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



GRANT PULLEY & HARDWARE CO.

3 W, 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

fet, slag and tin roof, hot water heating, electric lighting, oak floors. Owner taking sub-bids.

Residences and Stores (2), 617-619 South Twelfth street, Philadelphia. Architects, B. J. Medoff & Sons, No. 524 Walnut street, Philadelphia. Owner, Dr. M. Cohen, 612 South Twelfth street, Philadelphia. Brick, 3 stories, 18x50 feet, slag roof, hot air heating, electric lighting. Plans in progress.

Storage Building, Thirty-fifth and Gray's Ferry road, Philadelphia. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Harrison Bros. & Co., on premises. Steel, 1 story, 82x106 feet, iron roof. Plans in progress. Bids in one week.

Service Building, Thirty-fifth and Gray's Ferry road, Philadelphia. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Harrison Bros. Co., on premises. Brick and concrete, 1 story, metal frames and sash, waterproofing. Architects taking bids, due January 7th. The following are figuring: Barclay White Co., Perry Building; H. E. Baton, Twelfth and Sansom streets; A. Whitehead, Inc., 1624 Latimer street; Humphrey Const. Co., 1618 Thompson street, all of Philadelphia.

Store Building (alt.), 1409 Arch street, Phil-

adelphia. Architects, Hoffman & Co., Juniper and Market streets, Philadelphia. Owner's name withheld. Consists of new store front and interior alteration and addition, electric lighting. Architects taking bids, due January 8th. The following are figuring: Freund-Seidenbach Co., Bulletin Building; Lam Building Co., 1001 Wood street, both of Philadelphia.

Residence, Somerton, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Harold Houseman, Byberry road and Bustleton pike, Philadelphia. Frame, 2 stories, 25x50 feet, shingle roof, electric lighting (heating and floors reserved), weather strips (artesian well and fences reserved). Revised plans in progress.

Stable (alt. and add. for Residence), Westview avenue, Germantown, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Mrs. C. C. Davison, on premises. Stone and brick, 1½ stories, 28x39 feet, slate roof, steam heating. Architect taking bids, due January 9th. The following are figuring: F. E. Wallace, 1210 Sansom street; F. Elvidge & Sons, 5522 Germantown avenue; F. W. Allison Co., 1710 Rittenhouse street; W. H. Gruhler, 219 East High street, all of Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage, St. Martins, Philadelphia, \$2,500. Architect, R. R. McGoodwin, 34 South Sixteenth street, Philadelphia. Stone, 2 stories, 20x24 feet, shingle roof, hot water heating, electric lighting. Contract awarded to John E. Walt, 204 East Willow Grove avenue, Chestnut Hill, Philadelphia.

Saloon (fire repairs), 1229 Filbert street, Philadelphia. Architect, private plans. Owner, Windsor Bar, on premises. Consists of fire repairs. Contract awarded to J. N. Gill & Co., Heed Building, Philadelphia, who is taking sub-bids.

Residences (2), 4114-4116 Terrace street,

Manayunk, Philadelphia. Architect, private plans. Owner, Harry Wolfendton, Manayunk, Philadelphia. Stone, 2 stories, 15x51 feet, slag roof, hot air heating, electric lighting. Contract awarded to J. J. Hurley, 503 Monastery avenue, Roxborough, Philadelphia.

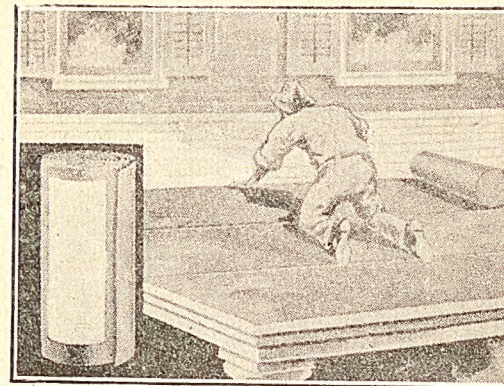
Garage (alt. and add.), 4218 Brown street, Philadelphia. Brick, 1 story, 53x41 feet, slag roof, electric lighting. Contract awarded to Warren E. Biscoe, 3954 Ludlow street, Philadelphia.

Garage, Sellers and Griscom streets, Philadelphia, \$4,200. Architect, S. D. Milnor, 4634 Penn street, Philadelphia. Owner, George P.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES



Willow Brand Cotton Duck Roofing

is used on the Finest Buildings, also where severe strain and wear is essential for roof or deck, and in preference to tin, tar or copper, and is more durable than any roofing prepared or other kind. Samples mailed.

Widths from 26 to 120 inch, Cut any length or in 100 yd. Rolls

R. A. HUMPHRYS' SONS
1021-1023 Callowhill St., Phila.

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

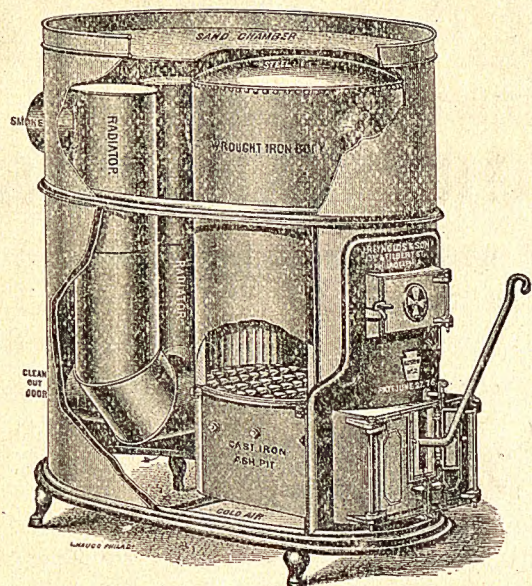
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

J. W. COLQUHOUN, SECRETARY

Perfect Hot Air Heating



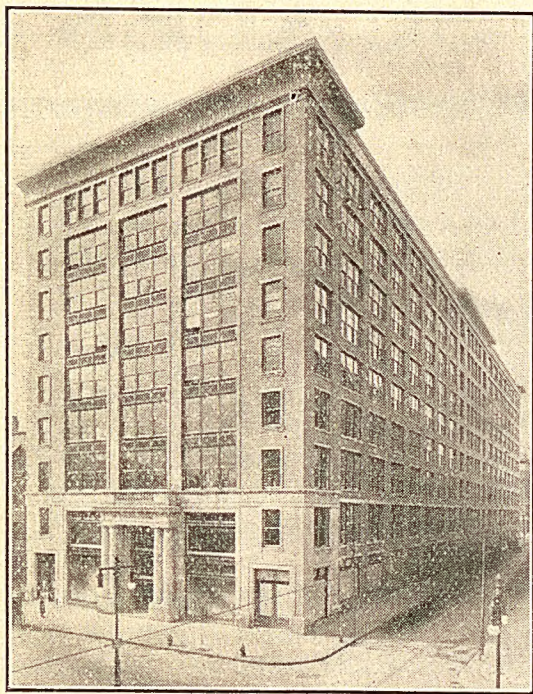
Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON

Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company

SPEED AND SATISFACTION

1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms
2016-18-20 Ranstead Street

Philadelphia
Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Oldham, 4671 Frankford avenue, Philadelphia. Brick, 2 stories, 45x46 feet, slag roof, steam heating, electric lighting, gasoline storage. Contract awarded to Rush Bros., 1100 Filmore street, Philadelphia.

Picture Theatre and Store, Broad and Rockland streets, Philadelphia, \$31,900. Architect, A. F. Schenck, Real Estate Trust Building, Philadelphia. Owner, Clarence S. Shilcock, 1344 Rising Sun lane, Philadelphia. Brick and terra cotta, 1 story, 55x177 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing. Contract awarded to Freund-Seidenbach Co., Bulletin Building, Philadelphia.

Apartments (alt. and add.), 5213-15 Chestnut street, Philadelphia. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Isaac Kershaw, Fifty-second and Chestnut streets, Philadelphia.

Brick, 2 stories, slag roof (heating and electric work reserved). Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Flat House, Twelfth street and City Line, Oak Lane, Philadelphia, \$p00,000. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick, stone and terra cotta, 4 stories, 125x150 feet, slag roof, vapor vacuum heating, electric lighting, hardwood floors, tile work. Contract awarded to I. T. Shoemaker, 1309 Walnut street, Philadelphia.

Garage, Ruth and Clearfield streets, Philadelphia, \$4,400. Architect, private plans. Owner, Horace Linton, Ruth and Clearfield streets, Philadelphia. Brick, 1 story, 50x30 feet, slag roof, steam heating, electric lighting (gasoline storage reserved). Contract awarded to H. Moyer, 2029 E. Wishart street, Philadelphia.

PENNSYLVANIA

Construction News

Sanitarium, Lansdale, Pa., \$12,000. Architects, Conner & Slifer, Lansdale, Pa. Owner, Lansdale Hospital, Dr. Ruth Maher, Lansdale, Pa. Hollow tile and stucco, 2½ stories, 90x32 feet, slate or tile roof, steam heating, electric lighting, tile work, metal lath, dumb waiters, waterproofing and dampproofing. Plans about completed. Architects will take sub-bids in one week.

Bungalow, Lansdale, Pa., \$4,000. Architects, Conner & Slifer, Lansdale, Pa. Owner, Harry Richardson, Lansdale, Pa. Brick, 1½ stories, 42x30 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Residence (alt. and add.), Ambler, Pa. Architect, Francis G. Caldwell, Stephen Girard Building, Philadelphia. Owner, John Binder, Ambler, Pa. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting, metal lath. Plans in progress.

Laboratory, Easton, Pa. Architects, Chas. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, Lafayette College, Easton, Pa. Stone and brick, 1 story, 50x65 feet, slate and copper roof, steam heating, electric lighting. Architect ready for bids.

School, Quarryville, Pa. Architect, M. I. Kast, Harrisburg, Pa. Owners, Board of Education, care of David R. Forbes, Quarryville, Pa. Brick and stone, 1 story and basement, 73x117 feet, slate roof, steam heating, electric

lighting, composition floors, metal lath. Owners taking bids, due January 16th. F. Roe Searing, Perry Building, Philadelphia, is figuring.

Residences (8), Darby, Pa. Architect, private plans. Owner, Julius Nelson, Darby, Pa. Brick, 2 stories, 16x45 feet, slag roof, hot air heating, electric lighting. Plans in progress.

School, Quarryville, Pa., \$15,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Board of Education, David R. Forbes, Secretary, Quarryville, Pa. Brick, 1 story, 70x110 feet, slate and tin roof, waterproofing and dampproofing, slate blackboards (heating and electric work separate bids). Owners taking bids, due January 16th. The following are figuring: F. Roe Searing, Perry Building, Philadelphia; W. D. Herr, Quarryville, Pa.; Joseph D. Crowl, Lincoln University, Pa.; E. N. Lebo, Harrisburg, Pa.; S. H. Bally, Lancaster, Pa.; E. B. Weber & Co., Lititz, Pa.; I. M. Witmer, Lancaster, Pa.; Wm. H. Flick, Lancaster, Pa.

School (alt. and add.), Mt. Joy, Pa., \$10,000. Architects, Hauer & Mowere, 3110 Columbia avenue, Philadelphia. Owners, School Board, Mt. Joy, Pa. Brick, 2 stories, slate roof, electric lighting, slate blackboards. Plans in progress.

LIGHTING FIXTURES

In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.

Barrett Specification Roofs

A Modern Shop and a Modern Roof

HERE is a picture of The Barrett Specification Roof on the big new shop of the Illinois Steel Company in Chicago, laid over a concrete deck.

Cut through this roof at any point and you will find six layers of pitch and five of felt, for the method of procedure in the laying of the roof is so carefully defined in The Barrett Specification that, if it is allowed, it is not possible to find any spot in the roof which does not have its full quota of pitch and felt.

This type of roofing was selected for the building because its first

cost is lower than that of any other permanent form of roof covering and the cost of maintenance is absolutely nothing.

This combination of low first cost and no maintenance cost explains why there are more Barrett Specification Roofs on permanent structures than any other kind. Another important feature is the fact that Barrett Specification Roofs take the base rate of fire insurance. In case of fire from within they form a continuous air-proof fire blanket.

All first-class structures, such as city dwellings, office, railroad and commercial buildings of all kinds should have Barrett Specification Roofs as a matter of real protection and sound economy.

Hydronon

The Damp-Proofing Paint

Especially recommended for use above the ground level on the interior of stone, brick or concrete walls to exclude dampness. Has superior covering capacity and is vastly superior to other paints in its permanence and resistance to dampness. Booklet on request.

Tar-Rok Sub Floors

This construction provides the most suitable surface on which to bed plank (without the use of sleepers) where a wooden lower floor is desired in factory, machine shop, store house, etc., effecting a maximum of strength, rigidity and protection against dry rot, decay or fire, at a nominal cost. Booklet on request.

A copy of The Barrett Specification, with roofing diagrams, free on request

Special Note

We advise incorporating in plans the full wording of The Barrett Specification, in order to avoid any misunderstanding. If any abbreviated form is desired, however, the following is suggested:

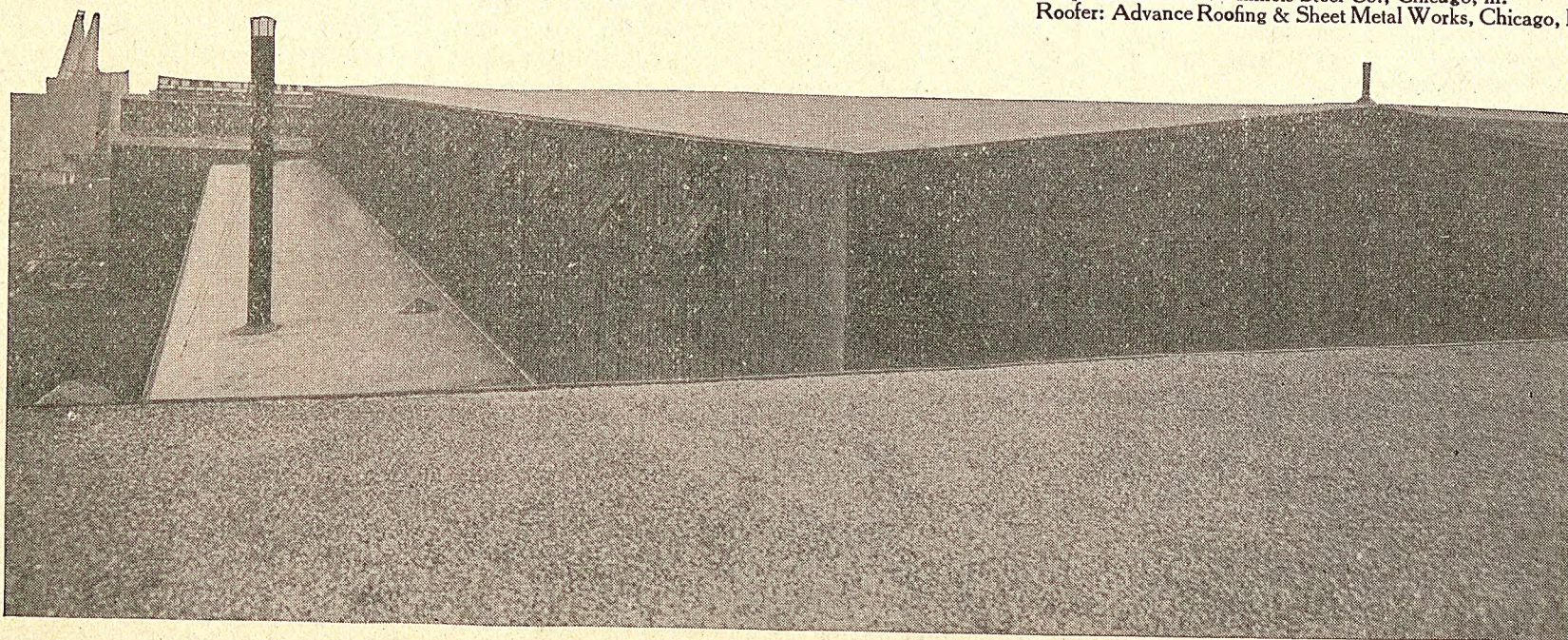
ROOFING—Shall be a Barrett Specification Roof laid as directed in printed Specification, revised August 15, 1911, using the materials specified and subject to the inspection requirement.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati
Pittsburgh Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle

THE PATTERSON MFG CO., Ltd.: Montreal, Toronto, Winnipeg, Vancouver, St. John, N. B., Halifax, N. S., Sydney, N. S.

Shop extension of the Illinois Steel Co., Chicago, Ill.
Roofed: Advance Roofing & Sheet Metal Works, Chicago, Ill.



"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

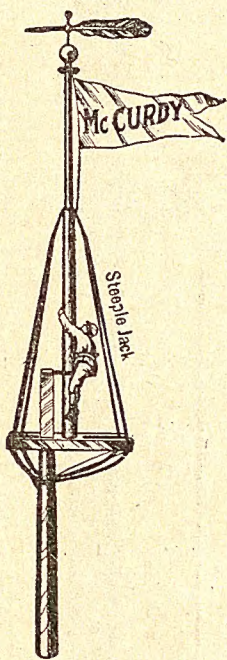
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes

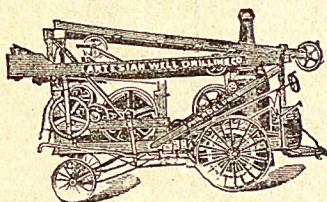
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

Theatre and Hall, Steelton, Pa., \$25,000. Architect, C. Howard Lloyd, Telegraph Building Harrisburg, Pa. Owner, R. M. Frey, Steelton, Pa. Brick, 2 stories, 40x120 feet. Owner is taking bids on roofing, plumbing, heating, electric work, composition floors and ventilators.

Residence, Camp Hill, Pa., \$5,000. Architect, George H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, Charles A. Clement, 122 Locust street, Harrisburg, Pa. Brick, 2½ stories, 32x38 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors. Owner is ready for bids.

Almshouse, York, Pa., \$400,000. Architect, B. F. Willis, 10 West Market street, York, Pa. Owners, State Board of Public Charities, care of Francis J. Torrance, Pittsburgh, Pa. Local sand stone, 2 and 3 stories. Consists of administration building, dormitories, dining room, kitchen, power house, chapel and the-

atre, hospital, sun parlors, etc., tile roof, central steam heating plant, electric plant, sewage disposal and water supply systems. Plans in progress.

Pennsylvania

Contracts Awarded

Store and Apartments (alt. and add.), Carlisle, Pa., \$10,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, J. Wilson Swartz & E. H. Pfeffer, Carlisle, Pa. Brick, 3 stories, 26x80 feet, steam heating, electric lighting, hardwood floors, waterproofing. Contract awarded to James Porter, Carlisle, Pa.

Ice Cream Factory, York, Pa., \$15,000. Architect, J. A. Dempwolf, Centre Square, York, Pa. Owners, York Sanitary Milk Co., North George and Jefferson streets, York, Pa. Brick and concrete, 2 stories, 60x60 feet, tile roof, steam heating, electric lighting, tile work, waterproofing. Contract awarded to S. F. Glatfelter, Small Building, York, Pa.

Club House, Reservoir Park, Harrisburg, Pa., \$5,000. Architect, private plans. Owner, City of Harrisburg, City Park Commissioners. Frame, 1 story, 40x60 feet, asbestos shingle roof. Contract awarded to J. McKelvey, Harrisburg, Pa.

Hotel (alt. and add.), Carlisle, Pa., \$7,500. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Washington Hotel, Carlisle, Pa. Consists of general alterations for offices and apartments, steam heating, electric lighting, tile work. Contract awarded to D. E. Brindle, Carlisle, Pa.

Garage and Conservatory, Harrisburg, Pa., \$5,000. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owner, A. C. Stamm, Thirteenth and Reese avenue, Harrisburg, Pa. Brick, concrete and glass, 2 stories, 28x58 feet, slag roof, steam heating, electric lighting. Concrete floors. Contract awarded to E. N. Lebo, Harrisburg, Pa.

Factory Buildings (2), Marcus Hook, Pa., \$75,000. Architect, private plans. Owners, Benzol Products Co., Margaret and Bermuda streets, Philadelphia. Concrete and steel, 1 and 2 stories, 40x180 feet and 45x211 feet, slag roof, electric lighting, metal frames and sash. Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

It isn't given to everybody to do the big things that advertise themselves like building interoceanic canals or endowing universities or conducting Billy Sunday revivals. Some of us have to do our own advertising and pay for it at so much per line.

New Jersey Construction News

School (add.), Beverly, N. J., \$25,000. Architect, H. A. Brown, Beverly, N. J. Owners, Board of Education, Clarence Hazzard, Secretary, Beverly, N. J. Brick, 2 stories, 60x50 feet, tin roof, electric lighting, slate blackboards (heating separate bid). Owners taking bids.

Apartment House, South Victoria avenue, Atlantic City, N. J., \$18,000. Architect, Vivian B. Smith, Sheen Building, Atlantic City, N. J. Owner's name withheld. Brick, stone trimmings, 4 stories, 35x70 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work, metal lath, waterproofing and dampproofing. Plans completed. Architect will take bids in a few days.

Club House, Vineland, N. J., \$25,000. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, Junior O. U. A. M., Vineland, N. J. Brick, stone trimmings, 3 stories, steam heating, electric lighting. Plans in progress.

School, Woodbury, N. J., \$15,000. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Woodbury, N. J. Brick, 1 or 2 stories, slag roof, electric lighting. Plans in progress.

Residence, Haddonfield, N. J. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Dr. Earnest A. Farrington, Haddonfield, N. J. Stone and frame, 2 stories, 30x50 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Architect taking bids, due January 7th. The following are figuring: George W. Shaner, Palmyra, N. J.; A. F. Aitken, Moorestown, N. J.; Chas. Stewart, Woodlyn, N. J.; W. S. Capern, Haddonfield, N. J.

Residence, Atlantic City, N. J. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, A. Rosenthal, Atlantic City, N. J. Plaster, 2½ stories, 26x35 feet, slate roof, hot water heating, electric lighting, oak floors. Plans in progress.

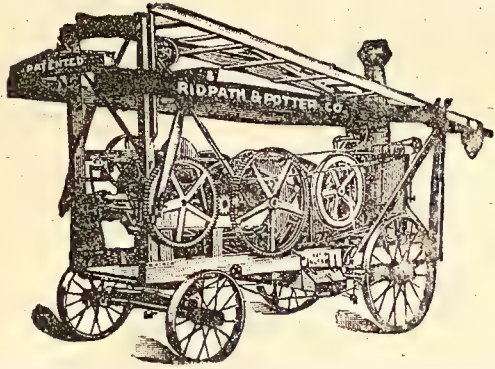
Residence (alt. and add.), Ventnor, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, George A. Gumphert, Atlantic City, N. J. Frame, 2½ stories, slate roof, hot water heating, electric lighting. Owner taking bids.

Residence, Collingswood, N. J., \$3,800. Architects Moffett & Stewart, 30 North Third street, Camden, N. J. Owner, A. B. Evens, Collingswood, N. J. Frame, 1½ stories, 30x41 feet, shingle roof, hot water heating, gas and electric lighting. Architects taking bids. The following are figuring: J. W. Draper, 436 Haddon avenue, Camden, N. J.; A. K. H. Doughty, Collingswood, N. J.

Shop, rear of 314 North Twenty-seventh street, Camden, N. J. Architect, private plans. Owner, F. E. Williams, on premises. Frame, 1 story, 26x30 feet, ruberoid roof, steam heating, electric lighting. Owner is sub-letting all contracts.

New Jersey Contracts Awarded

Residence, Ventnor, N. J., \$12,000. Architect, S. Hopkinson Evans, 1315 Walnut street, Philadelphia. Owner, Charles Westing, 1315 Walnut street, Philadelphia. Brick and plaster, 2 stories, 35x60 feet, slate roof, hot water heating, gas and electric lighting, hardwood floors, tile work. Contract awarded to Hamp-



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building

Philadelphia, Penna.

ton Bros. Co., 4403 Atlantic avenue, Atlantic City, N. J.

Garage, Atlantic City, N. J., \$16,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, Dr. Robert B. Ludy, Pacific and South Tennessee avenues, Atlantic City, N. J. Brick and concrete, 2 stories, 54x93 feet, tile and slag roof, steam heating, electric lighting, elevator. Contract awarded to Clayton E. Shappell, 4803 Ventnor avenue, Ventnor, N. J.

Power House, Camden, N. J. Architects, Ballinger & Perrot, 1211 Arch street, Phila-

delphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, steel and concrete, 2 stories, 100x223 feet, slag roof, metal lath, waterproofing, iron grilles, metal frames and sash, safety treads. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Residences (2), 306-08 North Thirty-seventh street, Camden. Architect, private plans. Owner, Victor King, Camden, N. J. Frame, 2 stories, 14x38 feet each, slate roof, hot air heating, gas lighting. Contract awarded to S. Pressey, 149 South Thirty-second street, Camden, N. J.

MARYLAND Construction News

Residence and Garage, Havre de Grace, Md., \$45,000. Architect, W. M. Geiske, Gunther Building, Baltimore, Md. Owner, J. P. Richards, care of architect. Brick, 3 stories, slate and tile roof, steam heating, hardwood floors, tile work, electric lighting plant, sewage disposal and water supply systems. Plans in progress.

Church, Harford road and Evergreen terrace, Baltimore, Md. Architect, C. N. Friz, Munsey Building, Baltimore, Md. Owner's name withheld. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about 2 weeks.

Church, Arlington and Belvidere avenues, Baltimore, Md. Architect, C. N. Friz, Munsey Building, Baltimore. Owner, First Presbyterian Church, Baltimore, Md. Stone, 1 story, 42x65 feet, slate roof, steam heating, electric lighting. Plans in progress.

Warehouse and Factory (add.), 209 West Fayette street, Baltimore, Md. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Townsend-Grace Co., on premises. Brick and concrete, 9 stories, 50x150 feet, slag roof, steam heating, electric lighting, waterproofing and dampproofing. Irwin & Leighton, 126 North Twelfth street, Philadelphia, submitted the lowest bid.

Warehouse, Paca and Mulberry streets, Baltimore, Md., \$14,000. Architects, Haskell & Barnes, 301 North Charles street, Baltimore. Owner, Joseph E. Watkins, Jr., 225 North Howard street, Baltimore. Brick, 4 stories, tin roof, steam heating, electric lighting. Architects ready for bids.

Picture Theatre, 1801 Presstman street, Baltimore, \$15,000. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, Gottfried Helmig, care of architect. Brick, 2 stories, 40x110 feet, slag roof, steam heating, electric lighting, concrete floors, waterproofing and dampproofing. Architect taking bids. The following are figuring: George Bunnecke & Son, 305 St. Paul street; Henry Manberger, 34 West Chase street; C. C. Watts, 325 East Twenty-fifth street; Henry Pierson & Son, 1000 Olive street; R. B. Mason, 308 Madison

street; W. S. Childs, 14 West Twentieth street, all of Baltimore.

Residence, Roland Park, Md. Architect, Bayard Turnbull, 328 North Charles street, Baltimore. Owner, Dr. Joseph C. Bloodgood, 904 North Charles street, Baltimore. Frame and stucco, 2½ stories, 30x33 feet, slate roof, steam heating, electric lighting, tile work. Architect taking revised bids. The following are figuring: W. E. Harn Co., 213 North Charles street; R. E. Chambers, Thirty-sixth and Roland avenue; G. W. Tovell, Eutaw and Dolphin streets, all of Baltimore, Md.

Warehouse, Bayard and Hamburg streets, Baltimore, Md., \$25,000. Architect, private plans. Owners, Baltimore Gas Appliance Manufacturing Co., on premises. Brick, 1 story, 215x135 feet, tin roof, electric lighting, concrete floors, waterproofing and dampproofing. Owners taking bids. The following are figuring: B. F. Bennett Building Co., 123 South Howard street; Fidelity Construction Co., 1906 West Lexington street; Morrow Bros., Fidelity Building; G. W. Tovell, Eutaw and Dolphin streets; Edward Brady & Son, 1533 Maryland avenue, all of Baltimore.

Factory (add.), Baltimore, Md., \$90,000. Architect, Joseph Evans Sperry, Fidelity Building, Baltimore, Md. Owners, Townsend Grace Co., Baltimore, Md. Brick and concrete, 9 stories, 33x76 feet, slag roof, metal lath, waterproofing and dampproofing, safety treads, metal frames and sash (heating and lighting reserved). Contract awarded to Morrow Bros., Fidelity Building, Baltimore, Md.

Good fortune often chooses the most unlikely of messengers to herald its coming.

You can't hire loyalty; you have got to deserve it.—Ex.

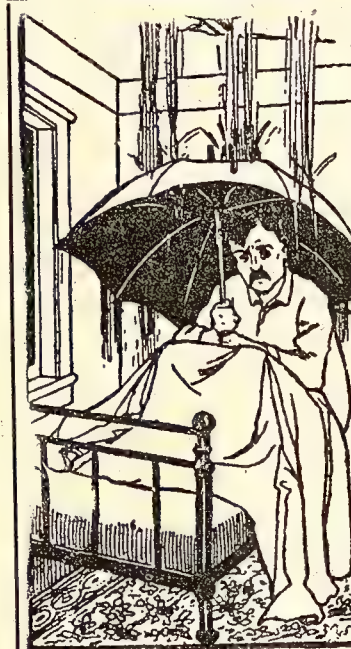
The man who does not advertise is like the man who stops his watch to save time.—Exchange.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

The business man who grudges a commission to an advertising agent who thinks "he can do it himself" is usually about as intelligent as he would be if he grudged the commission of the architect and decided to build his store for himself.

He would save the commission of the architect, but ruin the store.

This is the age in which one man DOES ONE THING. You can run your BUSINESS. Find a man who can RUN YOUR ADVERTISING.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

A retailer may fool himself by failing to charge all of his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—Ex.

Miscellaneous Construction News

Theatre, Wilmington, Del., \$50,000. Owner, Mrs. Elizabeth C. Baldt, 836 North Fortieth street, Philadelphia. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Brick, 3 stories, slag roof, steam heating, electric lighting, composition floors. Plans about completed. Architect will take bids in a few days.

Garage (add.), Wilmington, Del. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Hansen Automobile Co., 815 Tatnall street, Wilmington, Del. Brick, 2 stories, 20x40 feet, slag roof, steam heating, electric lighting, concrete floors, elevator. Plans about completed. Architect will take bids in one week.

Apartments (alt. and add.), Wilmington, Del., \$3,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Augustus Fersshko, 109 West Eighth street, Wilming-

ton, Del. Brick, 3 stories, 17x40 feet, tin roof, hot water heating, gas and electric lighting. Plans in progress.

Residence, Wilmington, Del. Architects, Brown & Whiteside, duPont Building, Wilmington, Del. Owner's name withheld. Hollow tile and stucco, 2½ stories, 3gx40 feet, shingle roof, vapor heating, electric lighting, tile work, hardwood floors. Architects taking bids, due January 11th. The following are figuring: John E. Healy & Son, 707 Tatnall street; Wm. D. Haddock & Co., 804 Orange street; Harry P. Carlon, 2430 West Eighteenth street, all of Wilmington, Del.

Residence, Narragansett Pier, R. I. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner's name withheld. Frame, 50x25 feet and 28x30 feet, shingle roof, steam heating, electric lighting, hardwood floors. Plans in progress.

First Presbyterian Church (O), Cheltenham and Germantown avenues. H. H. Burrell (C), 206 South Quince street. Cost, \$300. Church, interior alterations, Cheltenham and Germantown avenues.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 2, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 30, 1915, for a new plumbing system, a new conduit and wiring system, and interior lighting fixtures in the United States Custom House at St. Louis, Mo. Drawings and specification may be obtained from the custodian of the building, St. Louis, Mo., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

NOTE AND COMMENT.

Lincoln Beachey, the well-known aviator, is to build a home in Forest Hill, San Francisco, to cost \$8,500. The architects are Larsen & Coleman.—News Note.

Here's hoping the aviator owner won't have the architects "up in the air" before the job's completed.

* * *

An apartment house will be built at Lafayette and Summit (an ultra fashionable district overlooking Lake Michigan from high ground) which will feature the kitchens in front of the apartment and the family chambers in the rear. This, we think, is overdoing it.—Milwaukee "Evening Wisconsin."

Is it? Folks will do a heap more than that nowadays to keep on the sunny side of a good cook.

* * *

Hardware is the jewelry of the house fabric. Under ordinary circumstances its pattern and choice are governed by the same principles that govern the jewelry of a gentleman: it must be simple, of excellent design and utilitarian. If the jewelry is other than that, the chances are that it is a little outward indication that the gentleman is but a "gent."—"House and Garden."

We've often wondered whether "hardware" didn't derive its name, in the first place, from the hard things folks found to say about the men who selected it.

* * *

A complete, efficient bath room is an investment that pays interest in comfort and health. It is no idle saying that a house is known by its bath room.—"House and Garden."

Er—yes. Bathe and the world bathes with you—er, separately, of course. Refrain and you refrain alone.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Frank B. Nardy (O), 1228 Fitzwater street. Cost, \$2,000. Stable, brick, 3 stories, 16x75 feet, 1230 Fitzwater street.

Harry Wolfendton (O), Markle street. J. Hurley (C), 503 Monastery avenue. Cost, \$4,800. Two dwellings, stone, 2 stories, 15x51 feet, 4114 Terrace street.

Alterations and Additions

Harry Allen (O), 1b49 Point Breeze avenue. Frank & Kaiser (C), 1522 South Sixth street. Cost, \$1,035. Store and dwelling, 2 stories, brick, 12x16 feet, 1449 Point Breeze avenue.

B. Spivor (O), 1704 South Twentieth street. Gelfand & Wolf (C), 2438 South Reese street. Cost, \$1,200. Store and dwelling, brick, 2 stories, 12x12 feet, 829 McKean street.

Park Avenue Auto Station (O), 2212 Park avenue. H. E. Grau Co. (C), 1707 Sansom street. Cost, \$800. Garage, 2212 Park avenue.

M. Vetsone (O), Nineteenth and Tasker streets. A. Serotte (C), 2823 North Twenty-second street. Cost, \$360. Store and dwelling, Nineteenth and Tasker streets.

City of Philadelphia (O), City of Philadelphia. F. Roe Searing (C), Perry Building. Cost, \$1,730. Shop, House of Correction, Holmesburg, Philadelphia.

Johnson Motor Car Co. (O), Broad and Spring Garden streets. S. H. Robinson (C), 814 Walnut street. Cost, \$400. Electric sign, Broad and Spring Garden streets.

A. Robonovitz (O), Seventh and South streets. N. Royinsky (C), 512 Titan street. Cost, \$425. Store and dwelling, 1623 South street.

Mastbaum Bros. & Fleisher (O), North American Building. Lam Building Co. (C), 1001 Wood street. Cost, \$2,000. Store, Juniper and Market streets.

F. S. Drake (O), 6379 Sherwood avenue. E. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$450. Store, fire damage, 4438 Main street.

J. Kime (O), 4324 Lancaster avenue. P. A. Soensen (C), 422 North Twelfth street. Cost, \$350. Residence, brick, 1 story, 15x26 feet, 4324 Lancaster avenue.

J. S. Clarke Estate (O), Ninth and Walnut

streets. P. M. Sax (C), Heed Building. Cost, \$1,000. Theatre, Ninth and Walnut streets.

Haughton Oil Co. (O), Third and Somerset streets. F. E. Aubel (C), 2520 North Ninth street. Cost, \$395. Storage shed, 24x40 feet, galvanized iron, Third and Somerset streets.

Merchant Union (O), 715 Chestnut street. T. B. Monaghan (C), 2009 Sansom street. Cost, \$600, store and dwelling, brick, 2 stories, 9x12 feet, 839 North Thirteenth street.

Dr. George Woodward (O), North American Building. J. E. Walt (C), 204 East Willow Grove avenue. Cost, \$1,900. Garage, stone, St. Martins, Pa.

J. T. Zirlin (O), 2340 South Seventh street. Hoffman & Krauss (C), 1931 South Eighth street. Cost, \$350. Store and dwelling, 2340 South Seventh street.

G. P. Groves & Sons (O), 4212 Lancaster avenue. W. E. Biscoe (C), 3954 Ludlow street. Cost, \$5,000. Garage, brick, 53x41 feet, 4218 Brown street.

L. Borthoh (O), 762 South Third street. A. Tonkin (C), 1907 South Tenth street. Cost, \$350. Store and dwelling, 762 South Third street.

F. G. Herwig (O), 447 Queen lane. Cost, \$325. Garage, brick, 1 story, 8x12 feet, 447 Queen lane.

Mt. Olivet Baptist Church (O), 3608 Powelton avenue. E. Donovan (C), 700 South Fifty-second street. Cost, \$1,000. Church heating plant, 3608 Powelton avenue.

Mike Buteretsky (O), 2012 South Eighth street. Max Botvan (C), 634 Cross street. Cost, \$400. Store and dwelling, brick, 2 stories, 11x16 feet, slag roof.

Z. Goebert (O), 1218 Mascher street. A. Raymond Raff (C), 1635 Thompson street. Cost, \$500. Manufacturing, fire damage, 1218 Mascher street.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**The annual convention of the National Association of Builders' Exchanges will be held in Columbus, Ohio, January 26 to 28, inclusive, with headquarters and sessions at the Virginia Hotel. The most important work of the convention will be to act upon the proposed standard documents to be used in connection with the business of building construction. It is expected that every large building center in the United States will be represented and that the results accomplished will be far reaching in their importance to the trade at large.

**At a recent meeting of the Board of Directors of the Clifton Porcelain Tile Company, 51 Clifton street, Newark, N. J., M. Tscherner resigned as president, and Harry A. Pike was elected a member of the board and president of the company. Mr. Tscherner remains as a director. The Clifton Porcelain Tile Company has begun the manufacture of porcelain faced wall tile and vitrified floor tile in all colors, using the Stegmeyer process, which eliminates the use of lead glazing, and makes a non-crazing product at a price considerably below that of the so-called flint tile.

**The Gum Lumber Manufacturers' Association, Memphis, Tenn., has distributed a rather unique invitation to attend the first annual meeting of the organization, which will be held on January 16 in the city named. The invitation consists of a thin veneer of gum wood measuring 8½ inches in length and 3½ inches in width and bearing the inscription in black letters enclosed in a border of red. A cord is provided for hanging it where it may readily be seen.

**G. P. Blackiston, for the past five years advertising manager of the eBrger Manufacturing Company and the Stark Rolling Mill Company, Canton, Ohio, tendered his resignation December 1 and will devote his entire attention to the Advertising Laboratories, Canton, Ohio.

**The third annual conference of Secretaries of the various Builders' Exchanges of the country will be held in the city of Dayton, Ohio, at the Hotel Algonquin, on January 22, 1915.

**Every maker of standard building materials as well as of fire protective and extinguishing devices of proven quality will be interested in the recently organized Standard Building Material Manufacturers' Association. The New York offices of the association at 366 Fifth avenue will be made an inviting headquarters for visiting architects and builders; and will constitute a permanent source of information regarding fireproofing

materials and protective devices. Every kind of fireproof material and protective device will be installed as in actual use and its peculiar and proven qualities explained by experts to visiting architects, builders and others directly interested in the art of fireproof building construction.

**The Schoolhouse Commission of Boston, Mass., has recently introduced into its specifications a requirement that all steel and iron work, and all stone and mill work, for schoolhouses, must be fabricated and worked in shops within 10 miles of Boston. The commission states that it will rigidly enforce this requirement, and they indicate that the object of the commission is to enable the commission to have frequent shop inspection of all material entering into the construction of schoolhouses in the city of Boston.

**The thirteenth annual exhibition of the Architectural League of New York will be held as usual in the building of the American Fine Arts Society, 215 West Fifty-seventh street, New York City, and will continue from February 7 to February 27, inclusive. The exhibition will consist of drawings and models of proposed or executed work in structural, decorative and landscape architecture; sketches and finished examples of decorative painting; sketches, models and finished examples of decorative and monumental sculpture; drawings and models of works in the decorative arts, and photographs of executed work in any of the above branches.

**The New York Chapter of the American Institute of Architects has established a medal of honor for award to designers of buildings represented in the annual exhibition of the Architectural League. It has also established a medal of honor for award to mural painters represented in the annual exhibition, and a medal of honor for award to sculptors. There will be the usual Henry O. Avery prize of \$50 for sculpture and a special prize of \$300 for the best design submitted by an architect, sculptor and mural painter in collaboration. The subject will be a decorative garden feature terminating a vista formed by a grass alley flanked by hedges 8 feet high and 10 feet apart extending through the center of a small garden which is surrounded by a wall 10 feet high.

**The International Association of Master House Painters and Decorators of the United States and Canada will meet in annual convention in Washington, D. C., February 9 to 12, 1915. The headquarters will be at the Hotel Raleigh. A. H. McGhan, Corcoran Building, Washington, D. C., chairman of Convention Committee.

Put Florida Weather in Your Home!

With a Gas Heating Stove in your home, an inexhaustible supply of warmth is yours at the touch of a match.

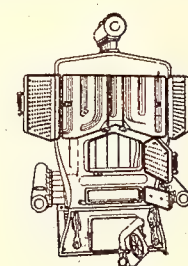
It is like importing a bit of Southern climate.

A Gas Heating Stove costs very little to operate. The prices run from \$1.95 (without connections) upwards. Easy terms.

Call at any of our offices or send for a representative.

**THE UNITED GAS
IMPROVEMENT CO.**

—MILLS—



"Guarantee"

We stand back of our Boiler.

They will do everything we claim for them.

Send for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

**The National Brick Manufacturers' Association will hold its annual convention at Detroit, February 14 to 20. William B. Wrexford, of the Detroit Brick Manufacturers' Association, in cooperation with President Eben Rodgers, of Alton, Ill., and Theodore A. Randall, of Indianapolis, constitute the committee of arrangements. The association will also bring to Detroit the National Paving Brick Manufacturers' Association, the National Clay Machinery Association, and the American Ceramic Society.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., JANUARY 6, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1914

President.....R. Clipston Sturgis, Boston
First Vice-President..Thomas R. Kimbal, Omaha, Neb.
Second Vice-President..D. Knickerbacker Boyd, Phila.
Secretary.....Burt L. Fenner, New York
Treasurer.....J. L. Mauran
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1914

For One Year—Irrving K. Pond, Chicago; John M. Donaldson, Detroit; Edward A. Crane, Philadelphia.
For Two Years—*Burt L. Fenner, New York; C. Grant LaFarge, New York; H. Van Buren Magonigle, New York.
For Three Years—Walter Cook, New York; W. A. B. Willcox, Octavius Morgan.
*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Brockie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John Molitor
Vice-President.....John F. Harbeson
Secretary.....William C. Stanton
Treasurer.....Walter Mellor
Directors—Clarence C. Zantzinger, John Graham, Jr., Frederick A. Muhlenberg.

Editorial Comment

Reinforced concrete as a building medium has come to stay. Its adaptability to certain forms of construction, its fire-resisting qualities, its great strength and durability, together with its ability to withstand heat and cold, have united to give to this type of construction a vogue such as no other of the newer mediums has been able to command. In the earlier stages of its introduction failures among reinforced concrete structures became so frequent as to engender serious misgivings regarding the safety of this type of building. Inquiry into these cases developed the fact that in every instance the failure was traceable not to concrete, but to careless if not criminal indifference to certain well-known and more or less fundamental principles underlying the use of this material. That sooner or later these failures would lead to legislation debarring from this class of work men whose preliminary training has not been such as to make them familiar with the precautionary measures necessary thereunder has long been apparent. It has remained for a Western city, Los Angeles, to take the initiatory step. A new ordinance in that city requires that the owner, builder, or other person immediately in charge of this class of construction shall retain an inspector competent to see that the provisions of the ordinance are complied with. Furthermore, this ordinance provides that every such inspector who shall fail, refuse, or neglect to stop immediately the construction of any reinforced concrete work that fails to comply with the requirements of the ordinance and immediately report any such violation to his employer and the Board of Public Works shall be deemed guilty of a misdemeanor and upon conviction shall be punished by a fine of not more than \$500 or by imprisonment in the city jail for not more than six months or both or either, as the court may determine. The provisions of the ordinance are explicit, definite and in accordance with the best engineering practice, so that there exists not the slightest room for any plea upon the part of the inspector that he was unable to decide what he should have done. Everything is plain, clear, beyond quibble or controversy.

Commenting on that chapter of the ordinance which holds the inspector in charge criminally liable, "The Engineering News" remarks that this feature of the measure is unusually drastic. Nevertheless, those who have followed closely the history of building failures in the winters of the last five or six years will feel that some such provision was inevitable. Whether it will stand remains to be seen. It seems to confuse private and police functions. It does not appear that the city's inspection force can be dispensed with on account of this provision; and while there would, therefore, seem to be a duplication of work, the other point of view is that it brings the judgment of two trained men to bear on

the work instead of one. Moreover, the contractor will look more closely into the competence of his inspector.

* * *

The same enterprising Western city has also adopted recently an order equally drastic and not less effective touching the matter of testing the cement to be used on city work. This order followed a complaint of defective material, the cause for which was found in the disclosure that while the cement in use by the city had been tested on one day it had not been on the following four days. The new order requires that in the future thorough tests shall be made of all cement before it is used, and states that the Engineering Department of the city will be held to the strictest observance of this ruling. That this is a step in the right direction and one that should be adopted by departments of the kind throughout the country will not be questioned by anybody familiar with the variable quality of the poorer grades of cement. Occasional tests are not fair to the manufacturer of good cement. They favor the bidder who relies in figuring upon working in a poorer grade, and they undermine the standards that should govern in large public undertakings. Now that "Safety First" has become a popular slogan, one of its primary applications should be to see that the material which is to go into city work should be everything that it ought to be. If with the best quality of material the work is anywhere near average, the result should be such as to reflect credit rather than suspicion upon the officials in charge. Santa Barbara, out on the coast, is so impressed with the importance of this subject of testing materials that she is fitting up a completely equipped testing laboratory through which all materials intended for use in city work must first pass for examination and approval.

* * *

The national conference on concrete roads, which met in Chicago recently, adopted the following principles, or ten commandments, for concrete road work:

1. The aggregates should be clean and hard.
2. The sand should be coarse and well graded.
3. A rich mixture should be used.
4. The materials should be correctly proportioned.
5. The materials should be thoroughly mixed.
6. The inspection should be intelligent and thorough.
7. When in doubt, reinforce the pavement.
8. The subgrade should be of uniform density, thoroughly compacted and drenched with water immediately before placing concrete.
9. The concrete should be of a viscous, plastic consistency.

10. After placing, the concrete should be covered immediately, kept moist, and not opened to traffic for four weeks.

* * *

These rules are admirable in so far as they carry. Their weakness lies in the fact that the citizen is dependent upon inspectors who owe their appointments to influences of a political kind. And, when as not infrequently happens, these influences are one with the influences behind the contractor, it is not difficult to perceive by what processes the city is made to pay for work that is inferior if not absolutely worthless.

Corporations and private interests get a vastly superior grade of work for no other reason in the world than this one—that their inspection is as honest as it is intelligent and as unhampered as it is thorough. It is a popular belief that city work is scamped because the inspectors in charge are incompetent and because of this incompetency easily hoodwinked. This is not the case. Speaking from an intimate knowledge of city inspectors covering a long term of years, the writer is able to say that he has known very, very few men who could be rated incompetent. He has found fewer still who could be classed as dishonest. The men were simply the victims of a particularly bad and deeply-rooted "system." Assigned to the work of contractors politically powerful, they were made to realize the utter futility of attempting to enforce a too literal regard for specifications. The result was—bad work. How, reasonably, could it have been otherwise? The touchstone in all work of the kind is in the inspection. Make the inspection thorough, intelligent and honest, test the materials, hold the contractor to a rigid compliance with specifications and public work will be as good as private. The form of graft involved is not new. It is as old as civilization. Kipling sings:

"Who can doubt the secret hid
Under Cheop's pyramid
Was that the contractor did
Cheops out of several millions?
Or that Joseph's sudden rise
To Comptroller of Supplies
Was a fraud of monstrous size
On King Pharaoh's swart civilians?"

* * *

A little article on "Builders and Contractors," in the January number of "House and Garden," contains much good, common sense on the subject in hand:

"Experience has long since shown," says the writer, "that the services of an architect are indispensable, and this, the first step, is one that should be, and generally is, carefully considered. The second is the selection of a builder, but this is apt to be considered of minor importance and seldom given the proper attention.

"A builder is apt to be judged solely by the estimate he submits. If the owner and the architect would devote half as much time and thought to investigating the class and character of work done by the contractors furnishing the estimates as they do to the

figures themselves there would be better and more durable houses built. Money spent on a home can never be as economically spent as when the house is being built for the first time. It is always costly to go over work that has proved unsatisfactory.

"In making up a list of prospective bidders, only those should be selected who confine themselves to work of a character similar to the ideal of the man planning a house. A man planning to build a country home, with barns and dairy, would hardly employ the services of an architect whose specialty is model tenements. The same discrimination should be used regarding a builder's qualifications. Where a list of contractors has not been carefully prepared the owner will be surprised at the wide range of quotations. He is sure to feel that the builder submitting the highest figure is desirous of making a larger profit than he should, while the contractor submitting the lowest is considered one satisfied with a reasonable profit. The fact is, both are probably expecting to make just about the same percentage of profit. They are simply planning to furnish a different character of work.

"If a contractor has spent years in organizing and training a well-paid force of employees and obtains his material only from the mills turning out the best grades, his estimate is sure to be high, and yet in many cases is worth more than the difference between it and the estimate of a contractor doing a different class of work. The house in each case when completed may legally, if not fully, comply with the architect's plans and specifications."

* * *

On the subject of carelessly drawn specifications the writer has several soundly reasoned little chapters.

"After the builder has been selected," he writes, "the owner should realize that the responsibility for the completed house has been definitely fixed and that it is the builder who is to make a reality out of a dream.

"A word might be said here regarding plans and specifications furnished by architects. These should not be loosely and carelessly drawn, nor should they be filled with technicalities and permit only of narrow or limited interpretation. In the first case, an unscrupulous builder is sure to take advantage of the owner. In the second case, a careful builder, and the very kind that should be desired, will estimate higher than he would for the same character of work under proper specifications. An inexperienced estimator and builder is sure to get into trouble and cause the owner delay and expense that no time penalty or bonding company will ever fully repay.

"Some architects, even with the best intentions, so word their specifications as to oblige the builder to purchase the material or work of certain manufacturers. Under these limitations the sub-contractor takes advantage, in his quotation, of the builder, and increases the cost to the owner. The reliable contractor, who must stand back of his work for a year or more after completion, hesitates to assume

the responsibility for the material or workmanship, in the selection of which he has no choice.

"The builder's lot is not an easy one; his work requiring the services of artisans and mechanics of many trades, and his materials he must procure from all parts of the country, relying in many cases on promises of delivery and quality beyond his control. His work is all done in the open, subject to interruptions and delays due to climatic conditions. Each house he builds is different from the last, presenting new problems often unforeseen until after the actual work is started. * * *

"It is the builder who has taken a contract calling for a class of work with which he is not familiar, and who consequently estimated too low, that will try to make up his shortage by overcharging for extra work.

"The owner will generally find the builder a very practical man; a man who is exerting his best efforts to comply with the architect's specifications and plans; complete his contract to the entire satisfaction of the owner; establish a reputation for good work and still have his books show a profit."

* * *

More truth than fiction in that, as most of us are in a position to know.

TALL CONCRETE BUILDING.

There has just been completed on the water front between the terminals of the Brooklyn and Manhattan Bridges, in Brooklyn, N. Y., what is said to be one of the tallest steel reinforced concrete buildings in the world. It covers a plot 200x125 feet, is 12 stories in height and surmounted by a clock tower of four additional stories. The height from the street level to the roof of the tower is 275 feet. The floors in the tower, each measuring 50x50 feet, are adapted to studio work owing to their excellent light and freedom from noise. The structure is the seventh completed by the Gair Company, who will use a portion of it and lease the remainder to manufacturers.

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

EVERYBODY WANTS TO USE ELECTRICITY

If Architects and Builders would keep this fact in mind, they would never design or erect a building of any description which was not wired and equipped for Electric Service. Electric Service means not merely light—it makes possible as well the use of all manner of labor-saving devices, whether the building be a cottage, mansion, office building or factory.



DESTRUCTION OF RHEIMS CATHEDRAL.

In discussing the wanton destruction of the Cathedral at Rheims the London "Building News" of September 25 says: "The scene of the coronations of the earlier French Kings, including Charles VII in 1429, at the instance of Joan of Arc, it was also the scene of the baptism of Clovis in 496 by St. Remigius. The interior of Rheims Cathedral is 466 feet long and 121 feet high. There are aisles to the nave and transepts, with a triforium above. The nave is of eight bays, and there are eight chapels in the choir.

"Everywhere there are statues. It is rich in exquisite thirteenth century glass and tapestries dating back to the sixteenth century, together with other Gobelin tapestries, from designs by Raffaele, given by the French Government in 1848. Other treasures in the treasury included several reliquaries, the chasuble of Thomas a'Becket, a twelfth century chalice, called the Calice de S. Remi, and a quantity of church plate given by Charles X at his coronation.

"The great west front, with its triple portals, surmounted by the rose window, and twin towers, the southern one containing the famous bell of Rheims, which weighs 23,000 pounds. The three portals were elaborately sculptured. In the 'trumeau'—or stone pillar dividing the door of the central portal the Madonna had the principal place. In one of the side portals was the exquisite figure of Christ in benediction, known as Le Beau Dieu. Of this even the German art critic Lubke wrote, 'Is a work of such beauty that it may be considered the most solemn plastic creation of its time. * * * There is such majesty in the mild, calm expression of the head, over which the hair falls in soft waves, that the Divine seriousness of the sublime Teacher seems glorified by truest grace.'"

THE PANAMA-PACIFIC EXPOSITION FROM AN ARCHITECT'S VIEWPOINT.

By B. J. S. Cahill, A. I. A., F. R. G. S.

There are good reasons why an architect is the very last person in the world to describe a great symphony of architecture such as the Panama-Pacific Exposition. He is much too likely to see orders, moldings and details where he should really see only colonnades, colors and effects. His knowledge of detail and the processes of construction is apt to dull his sensibilities to the bewilderment and confusion that is so fascinating to the layman. And before going any further, we might dwell a moment on this very question of the enjoyment of any great complex work of art.

Only those who do not know too much and who can surrender wholly to their senses, can really get the thrill and rhapsody of a mighty pageant. Those who are young will enjoy the Fair far more than those who are old. Possibly this accounts for the fact that the nations when they were younger, succeeded so much better than we do in ravishing the minds of the masses by the terrific architecture of their tombs and temples. No doubt the first triumphs of architecture in evoking the emotions were obtained by inspiring awe, which in reality is nothing but the glorification of fear. If we can reduce our feelings to those of a child or a savage, we can easily realize how a very high wall, like a very high cliff, will induce a sort of dread. It is impossible to go close to a precipice of rock, such as can be passed on the trail to the Upper Yosemite Falls, and look up to the towering mass above, without the feeling of fear. It is probably explained by scientists as a racial reminiscence of the danger from falling fragments. Then again a great cave will overwhelm the senses and cause one to speak in whispers, just as a mighty dome or vault will do. No one can quite escape these primitive feelings, and the reason is that they are based on deep-rooted and age-long inherited racial recollections. But the nearer we are to the child and the savage and the less our feelings have been drilled out of us by learning, the quicker we shall respond to the primitive appeal of "fear" in architecture, which is the oasis of the "sublime." And next to what is huge and overwhelming in heroic architecture usually developed in exposition work, comes the use and joy in color. The full delight in color is reserved also for children and semi-savages. We grow wise and gray by the same process. The grayness of modern life is a sign of our weariness and sophistication. Time will fade out anything. Youth and newness, freshness and folly even, all are full colored and vivid. And here again the appeal of the Exposition considered as an architectural spectacle is, primarily, to those who are young and looking out onto life with hope; keen in enjoyment rather than apt at analysis. In other words,

the Panama-Pacific Exposition proper is frankly a feast, a revel even in all that is gorgeous and intoxicating in architecture, sculpture, painting, gardening and illumination. And the main appeal is made to those with keen appetites and relish for all the good things that can be fed to mortal vision, rather than to those who could explain and analyze them. It will therefore be my function to mix an appetiser rather than to expound the menu or reveal the secrets of the chef's receipts.

Let no one imagine from the tenor of the above remarks that this great symposium of art and architecture appeals to youth because it is in the least bit crude, or that it appeals to primitive tastes because it is in itself the least bit primitive. No one could make a more misleading mistake. The whole gorgeous pageant, the entire complex "scene," is the very last word in all that is sophisticated and down to hour. All the effects, no matter how barbaric or spontaneous in appearance, have been worked out with deliberate and cold-blooded science by a group of experts as highly trained for the feat as any to be found on the continent.

When this great exposition was actually determined upon, I was in the city of Portland, far removed from all discussion and local speculation. Without claiming any prophetic faculty, but to show that the final realization expresses an ideal common to a great many of us, I will repeat what a friend and myself said in discussing the news at the time, long before even the site had been finally settled upon.

After some discussion we determined three things. We said, this Fair must be at North Beach, because as it celebrates a water triumph it must be not only near the water but part of the water. It must not only flank the bay, but the bay must be let into and must flow around the Exposition. This could be done at Lake Merced or near the Park, but these sites are not near enough to the town. Next we decided that, on account of the well-known winds it should be built upon the bazaar plan, a series of connected interior courts, each a different type of Oriental architecture and each with stone rimmed pools of water to reflect the glory of the walls around. Finally we concluded that the Exposition architecture should differ from all attempts heretofore, inasmuch as it should be one riot of color from top to bottom. In the main these leading ideas have been realized with rather less of water and much less of India, Egypt and Ceylon than we anticipated.

And after all there has been deep wisdom in this. We are all prone to make false analogies. We say, for instance, what the Atlantic has done for the Eastern coast, the Pacific will do for the Western. We entirely overlook

the fact that water can divide as well as unite. The Atlantic is a good highway between Europe and America, but the Pacific is a barrier between America and Asia. And just as day and night meet in mid-Pacific by universal consent, so do the light and the dark races of the Occident and Orient line up against each other here in permanent and unblending demarkation. The west coast of America is, in a sense, the last boundary of the white race and it is not to Asia that we turn for inspiration in the arts, but back to Europe, where we came from. California is not only the same latitude as Southern Europe, but it is destined to be settled up through the Panama Canal by immigration from the Mediterranean. And, in a sense, San Francisco Bay is a miniature epitome of the Mediterranean. The architecture of the Exposition expresses this perfectly. For it is inspired almost wholly by the ancient form developed in classic Greece and Rome; in Spain and Italy of the Renaissance, and in France of our own epoch. Added to these are some motives reminiscent of the Gothic of Rouen and the Byzantine of Ravenna, and over all a hint that the domes of this new City by the Golden Gate are kind to the domes of the old city by the Golden Horn.

On low flat land, then, by the water's troubled edge, lies this, the latest sea-born city of a dream, and like a dream ephemeral and fleeting. Its colored domes are clustered thick like bubbles of ocean foam blown up from the storm-tossed breakers of the beach. Its color, seen from afar or from on high, is also the color of coagulate sea-foam, as though its walls were modelled in new meerschaum or cut from old ivory. Its roofs are fretted like shells and colored like coral wet with brine. Its portals are stained as copper keels salted with long voyages. Its domes are of many colors. Some are of cold orange, like fresh kelp; others gleam like winter sunset. Others again are the green of breaking waves and others are of every shade of jade.

But we must descend from this far-away vision which greets the senses from the hill-tops like a strain of distant music, and view the golden city at closer range and in the light of the noonday sun.

As the basic or "holding" color of the whole Exposition is founded on a full gamut of orange from the coldest tones of cork to the fullest glow of gold, it is really best, to see the buildings after rain, when the sky is washed to the purest cobalt. Then if we walk down through the central avenue of the main buildings from west to east, providing it be afternoon and the sun is shining, we shall face, one after another, a series of resplendent tone pictures the like of which has never before been decreed or created by any community on earth.

The architectural part of the whole Exposition is, like ancient Gaul, and everything else for that matter, divided into three parts. If we imagine that we are stationed inland and looking northward across the bay at about the center of the entire grounds, the main Exposition group will lie in a long rectangle

across the middle of the line of vision, its long axis running east and west. This is the main organic nucleus of the Exposition. Its body is a huge rectangle 3,000 feet long and 1,000 feet across. This is divided into eight exhibit palaces by four broad open courts cutting it once through its long dimension and three times through its short dimension. At the head of this rectangular group to the left or west is the Fine Arts Palace, and at the foot, to the east, is the Machinery Hall. To the south of this main rectangle and flanking the main entrance leading to the Tower of Jewels (the tallest building of all), is the Horticultural Palace and the Festival Hall. This, with the addition of an Automobile Exhibit south of the Machinery Hall, constitutes the principal part and the only part that can be considered with its gardens and waterways as one homogeneous group.

It is this group that summarizes so completely the architecture of the peoples dwelling on the Mediterranean, not at any one epoch, nor in any one spot, but rather, as it were, the culminating spirit of their greatest efforts. Nor has this been done in the slavish spirit of the archaeologist. In this the designers have again shown consummate wisdom. I have seen two of the great French Expositions, and I recall that while they showed amazing originality, they did not for that very reason make instant appeal. No wise concertmeister will make his whole program of new music by new composers. At a gala celebration above all, a wise impressario will be careful to feed the people with something familiar. No new, original work of art can ever hope to win wholesale and popular success. Much more than in Europe, already stocked and overflowing with classic masterpieces, do we here, on the edge of the white man's world, need to see realized and visualized some of the spirit of the masterpieces of old. It's a long, long way to the Acropolis, and what we need here is something of the godlike simplicity of the Athens of Pericles before our eyes, and something of the monumental and massive dignity of Imperial Rome. What is paltry, like what is poor, we have always with us. We need, therefore, on this exalted occasion of the Exposition, something of the Gothic splendor of the age of tournaments, and mediaeval pageants, something of the grace and elegance of the Renaissance in Italy, something of the richness and romance of the Renaissance in Spain. It will do us good, too, to marvel awhile at Byzantine polychromes and African arabesques. Nor should we overlook the art output of our own age, the plastic exuberance of the French, and last, but not least, our own American ingenuity in the latest art of illusional illumination. And all these things, the cream of all creative art of all the ages we have here assembled and blended in one superlative symposium, and not as slavish reproductions, but rather as spiritual reincarnations. So that we have here in the richest vestiture of form and color and in the noblest setting of land and water, the very spirit and soul of the old world Genius of Architecture to abide amongst

us for a while as a wondrous vision and memory of what has gone before, and as an abiding inspiration for what is yet to come.

The second part of the Exposition lies to the left or west of this, the central group. It is a more or less heterogeneous assemblage of buildings for the various States of the Union and foreign countries.

The third part of the Exposition, lying to the east or right of the central body, is devoted to amusements, to fun, frolic and buffoonery, also as much a part of an exposition as its high art and its not quite so high commercialism. In fact, this section pays for much of the high-toned glory of the rest and should not be despised. It will most likely attract and hold a great majority of visitors who are only partly interested in what may be called legitimate exhibits, much of which to the average man comes up to that dreary wandering "among miles of pickles," which is the impression of the inside of some expositions we recall.

I have suggested how a casual visitor, on the right kind of a sunny afternoon, might get the maximum of thrills from the glorious facades of the inner courts and arcades of the main group. I think it would be possible to very much intensify the vividness and stimulation of our pilgrim's progress from west to east as prescribed, if he would first of all make a hasty tour of the second part of the Exposition, particularly among the various State Buildings. In the ritual of every religion a feast is invariably preceded by a fast. To properly appreciate the soft air and the rose-grown charm of a California winter one should come from the biting blizzards and sleeting chills of a Christmas in Massachusetts or the Middle West. There is no intention here whatever of belittling the architecture of the State Buildings. They represent the typical normal aspirations of the various States with fair precision, and it is rather to exalt the creators of the Exposition group than to decry the designers of the States group that a contrast is here suggested.

The designs of the Exposition Palaces and Courts are carried to such a high pitch of intensive excellence, the detail is so rich and the finish is so florid that when once the eye is keyed up to this lavish standard, it is almost impossible to realize for long what amazing riches of form and color are actually surrounding us. Visions of delight crowd on us so thickly that the optic nerves refuse to rightly respond. At any rate, we grow so accustomed to this revel of form and color that we lose consciousness of its extraordinary opulence. One does not realize this at first. It is only when one gets among the plain State Buildings that one realizes the contrast. And it is as startling as when one turns from the amber glow of sunset to the cold gray world of an hour after.

I have often wondered what there was to boast about in the buildings of Bullfinch, or for that matter of any of the early architects of New England. Severe, plain, uninteresting, bald, cold, drab and dismal they have

ever seemed to me. Nothing in all the history of architecture was ever so dull and deadly as a Puritan meeting house, unless we except the people who made them and prayed in them. Of course, any narrow cult that excludes much will grow deep and strong in what it retains. But for the normal balanced man no such half culture is salutary. But if Puritanism gave us a starved and frigid architecture, it was at least consistent and not devoid of character by which you could at least recognize it and keep away!

But there is another cold and dreary architecture—that of a New Community, especially a new Anglo-Saxon community. Let us be frank about it and admit it. The Puritans had a rough sincerity. They refrained deliberately from expressing any joy in their buildings. They had their burning enthusiasms and made great sacrifices, but NOT in the cause of art. But the good people of a later day, those who swarmed over this huge continent and made its trails, felled its forests and built its cities, their main enthusiasm and sacrifice was in the making of money and that with so much haste that art again was served as horribly as the Puritans served it; only that the former wouldn't and the latter couldn't. But however hard they tried, every court house and city hall over some two million square miles of cultivated civilization attests how a great community can be heroes in agriculture and hoboos in architecture.

The commonplace architecture of the Middle West, though very flatteringly represented at the Fair, can be appreciated by reversing the experiment recommended above. Let any one merely pass through the main exhibition and then visit the States Buildings and he will feel how tame and tiresome is the architecture we produce on ordinary occasions compared with the architecture we are capable of producing on extraordinary ones!

And perhaps this will be the lesson of the Exposition. Not that every building must be a palace nor every day Sunday, but that we can lift up the plane of our daily work to much loftier standards than those that now obtain.

And perhaps another view leads to the thought that as the Exposition summarizes and brings to a focus the art of Europe on the Mediterranean, we might look for the latinising of our art. Here, on similar latitudes facing the Pacific, we may conceive that a more genial climate will nourish a more generous architecture—something that would be represented by olives and oranges, grapes and pomegranates in place of the outdoor art we associate with apples and oats, hops and potatoes.—San Francisco "Architect and Engineer."

Are you aware, Mr. Advertiser, that this paper circulates in 5,000 offices, reaches every architect of any prominence in the East and the Secretary of every architectural club and chapter in the country?

THE BUILDERS' GUIDE,
Perry Building, Philadelphia.

EXHIBIT OF CLAY INDUSTRIES OF NEW JERSEY TO BE HELD BY THE NEWARK MUSEUM.

An exhibition of the clay industries of New Jersey is now being gathered by the Newark Museum Association. It will open for six weeks in February.

This is the most ambitious work the Association has yet undertaken—ambitious in extent, for it will show in outline the whole range of clay industries, and ambitious also because it is, as far as can be learned, the first of its kind undertaken by a museum.

"We are going to take up an industry and make an art exhibition of its," says one of the museum officials. "A museum can so house, display and explain an industry as to lend to it a certain dignity and bring it all within the field of art. And every industry is, after all, an art in practice, an art applied.

"In Germany the Werkbund, a union of artists, artisans and sellers of goods, has done a similar thing in a small way for years. It has brought together the significant products of an industry or craft—such as wall paper making, textile weaving and iron working, grouped it about a central idea, and fully and carefully labelled it. The resulting exhibit is sent in turn to many cities in which the particular industry it exploits is fully represented.

"If our New Jersey clay industries exhibition is as successful as it now promises to be, we believe that other cities will wish to have the opportunity to borrow and display it before it is distributed. We also believe that success in this new line of museum activity will make it easy to treat other industries—some local to Newark, some State-wide, in a similar manner."

The clay industries were chosen for this exhibition partly because of New Jersey's prominence in these manufactures (she is second in the value of her pottery products in the Union, their total going up toward the twenty million mark in late years) and partly because the clay and brick industries are so scattered from the north to the extreme south end of the State that through them a wide interest can be attracted to the museum's educational-commercial efforts.

Manufacturers of brick, hollow tile, drain pipe, sanitary and electrical wares, as well as the makers of architectural terra cotta, fine and common china, tiles and decorative pottery have signified their interest in the exhibit, and their willingness to help to make it a success.

The co-operation of the Women's Clubs of the State has been secured to assist in bringing together an historical section of the exhibition, to include pottery and porcelain made in New Jersey before 1876. To aid in collecting these historical pieces intelligently, the Museum Association is sending to all clubs and many individuals throughout the State a pamphlet containing Dr. E. A. Barber's discussion of the work of New Jersey kilns up to 1876 as it occurs in his book, "Pottery

and Porcelain of the United States," with illustrations of the marks of potters. All the pieces collected in Newark will be authenticated by Dr. Barber, who is conceded to be the leading authority on American pottery.

This will be the first effort made within the State to bring together a collection of pottery and china for local making, and the Museum Association hopes that it may be the beginning of a keen and helpful local interest in the work of former potters as well as those of to-day

PROPOSED "STANDARD" FORM OF BUILDERS' CONTRACT.

There has just been issued from the office of I. H. Scates, General Commissioner of the National Association of Builders' Exchanges, what is known as "Commissioners' Bulletin No. 3," relating to the work which is being done in the direction of standardizing building contracts. Reference is made to the conferences recently held between representatives of the American Institute of Architects and the Committee of the National Association of Builders' Exchanges, and as a result of the work accomplished there is now issued a "Draft of a Proposed Second Edition of the Standard Form of Agreement and General Conditions of the Contract," this having been prepared by the Standing Committee on Contracts and Specifications of the American Institute of Architects.

This subject was carefully considered at the convention of the American Institute of Architects just held in Washington, D. C., and it will also come up for consideration at the annual convention of the National Association of Builders' Exchanges, to be held the latter part of January.

The primary principles running through all the proposed changes are: First, that the rights and responsibilities of the contractor and owner must be defined as clearly and definitely as possible upon the signing of the contract; second, that the determination of any questions which cannot be defined in advance shall ultimately rest with an impartial tribunal of arbitration. A working principle is added to these that the architect—responsible to the owner for the integrity and despatch of the work—shall have the right to control the primary decision in matters of question and to require the work to proceed in accordance with his views subject to the ultimate determination of the rights of the parties under the contract, by arbitration.

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

The "Builders' Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son,
11th and Ontario sts., Phila.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Chas. Warner Co., Land Title Bldg., Phila.
Knickerbocker Lime Co., 266 N. 24th st.

Canvas Roofing.

R. A. Humphrys' Sons,
1021-23 Callowhill st., Phila.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
Murta, Appleton & Co.,
12th and Sansom sts., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

F. E. Carpenter Co.,
868 Postal Bldg., New York City
Flag Poles (wood and steel).
Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
Murta, Appleton & Co.,
12th and Sansom sts., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
228 Arch st., Phila., Pa.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

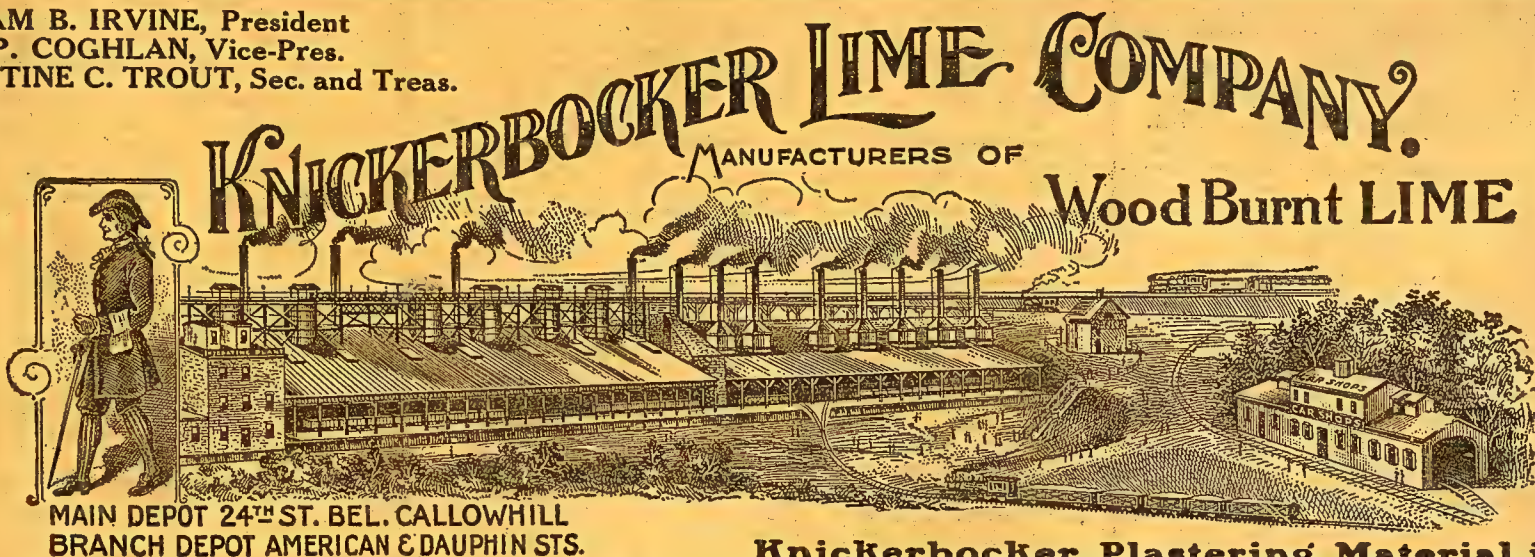
Rough Texture Brick in Golden, Gray and Red Groups

WILLIAM B. IRVINE, President
JOHN P. COGHLAN, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS.
CON FINISHES

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

Branch
Office

Telephone
Bell

Locust 200
and 201

Daily Building News

Reliable Advance Infor-
mation Covering New Work
in Philadelphia, Eastern
Pennsylvania, Southern New
Jersey and Delaware.

For Samples and Rates
address

Building News Pub. Co.

Perry Building, Philadelphia

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

MANUFACTURERS OF

Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.

IMPERVITE is Guaranteed to Waterproof Walls, Cellars & Pits.

3/4" facing of IMPERVITE MORTAR on the inside will resist water

Send for Book 63

The STANDARD PAINT Co. N. Y.

RUBER-OL
PRONOUNCED RUB
ALWAYS SPELLED WITH ONE B

Send for Book 632

The Original Ready Roofing
For over 20 years
The Standard

THE STANDARD PAINT CO., New York

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 2.

PHILADELPHIA, WEDNESDAY, JANUARY 13, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

DEXTER



Portland Cement

HIGHEST STANDARD ATTAINABLE

SAMUEL H. FRENCH & CO.

Sole Agents

Established 1844

York Avenue, Fourth and Callowhill Streets

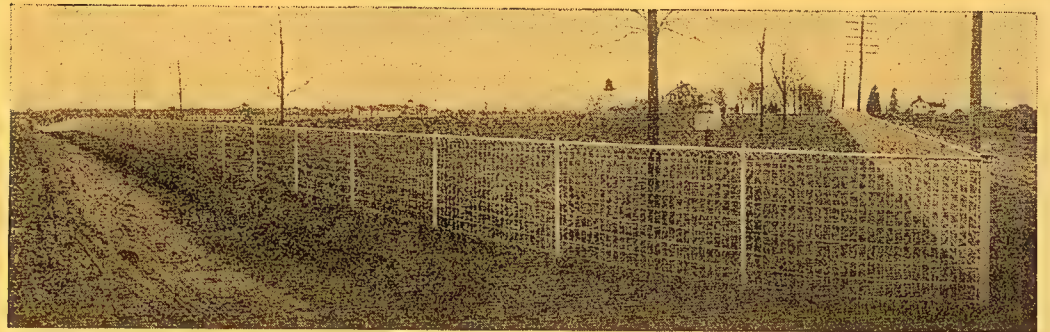
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

Correspondence Solicited.

Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City



COMPO BOARD

THE GREAT SUBSTITUTE FOR LATH AND PLASTER
Quick and Clean Partition Work.

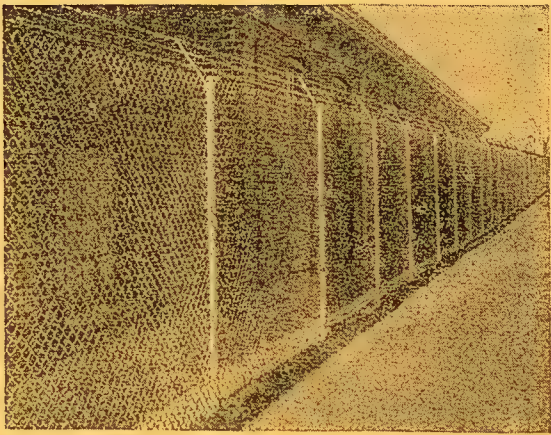
The Original and Real Article. The only board, a repeater. Sample will
convince you.

SEE OUR EXHIBIT AT THE BUILDERS' EXCHANGE

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



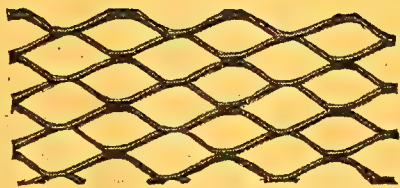
ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

ANCHOR POST IRON WORKS
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS DETAILS
CHAS. H. KOHN & CO.
Structural Engineers
1614 CHERRY ST., PHILADELPHIA
Bell Phone, Spruce 66-33

"BILCO" Expanded Metal Lath

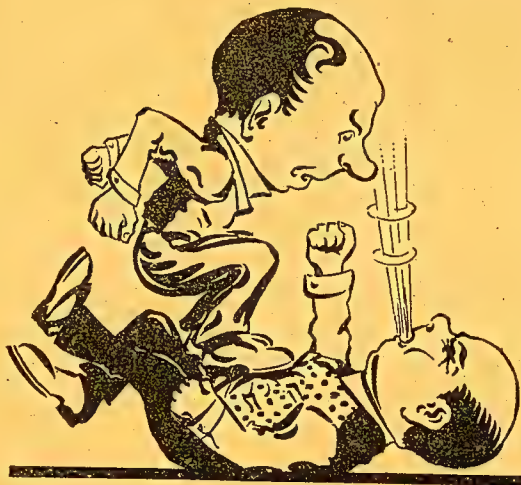


"Bilco" Diamond Mesh is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,
"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges
Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges
64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.
The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO. Building Construction

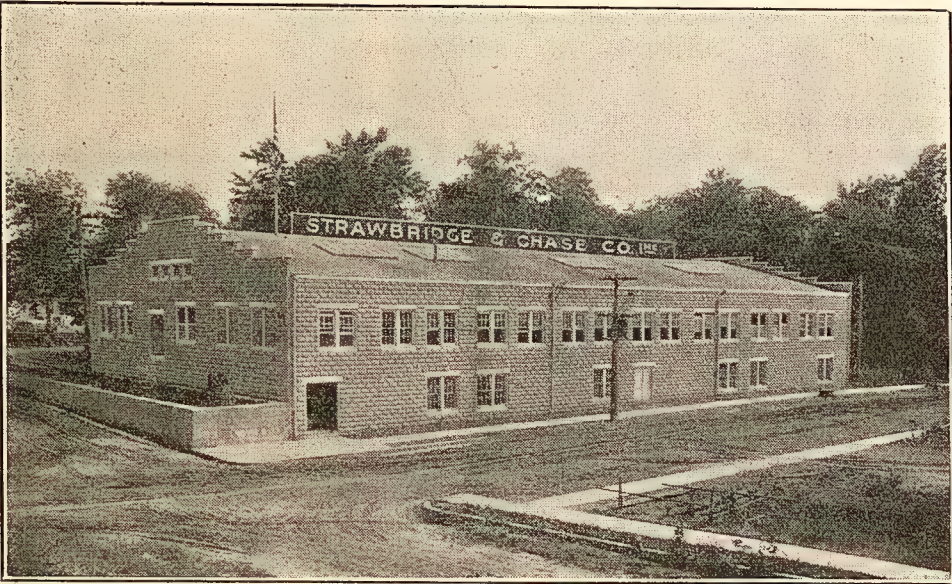
Let us figure on YOUR building
work
1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.

General Offices and Factory, AUDUBON, N. J.

Put Florida Weather in Your Home!

With a Gas Heating Stove in your home, an inexhaustible supply of warmth is yours at the touch of a match.

It is like importing a bit of Southern climate.

A Gas Heating Stove costs very little to operate. The prices run from \$1.95 (without connections) upwards. Easy terms.

Call at any of our offices or send for a representative.

**THE UNITED GAS
IMPROVEMENT CO.**

WARNER "ALCA" LIME

Trade Mark
(PATENTED)

A perfect and most economical cementitious material for all-around use in mortars, stuccos and in plasters, inside and outside.

Prepared with and without hair.

A reasonably quick hardening, highly plastic, hydrated lime, ready for immediate use for all purposes.

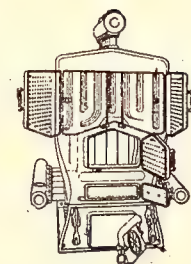
Contains the good features of Portland Cement, Gypsum Plaster and Cement.

Send for Trade Bulletin on Warner "Alca" Lime and for further information consult

Charles Warner Company
Philadelphia, Pa.

Wholesale Office, 810 Land Title Building.
Retail Yard 30th and Spruce Streets.

=MILLS=



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

Best by test.

Ask for information

The H. B. SMITH CO.

1225 Arch Street
PHILADELPHIA - PA.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

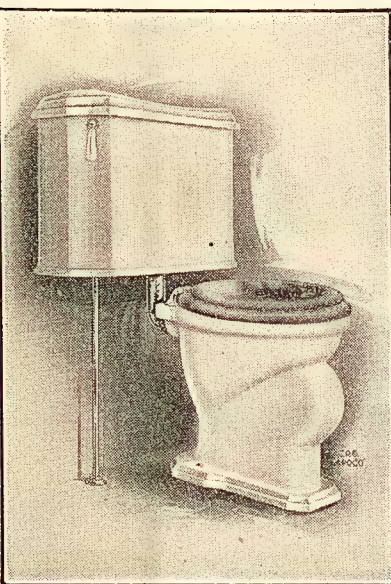


Plate 312 D

"CAPOCO"

Sanitary Vitreous Earthenware

Closet Combinations, Vitreous Closet Tanks, and Lavatories are guaranteed against crazing or dunting and to be absolutely sanitary and non-absorbent.

Write for *Catalogue D.*

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing

Land Title Bldg., Phila., Pa.

BLUE, BROWN and BLACK LINE PRINTING
done at reasonable prices. Quick Service. Tracings
called for and promptly delivered.

When buying Drafting materials
and supplies look for this trade-mark,
it stands for highest quality, best
workmanship and prompt service.



MAIL ORDER PRINTING especially solicited.

F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



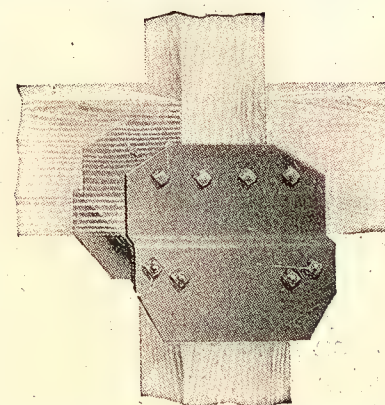
W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

BUILDERS' SPECIALTIES



DUPLEX STEEL POST CAPS
and HANGERS are Labeled and
Approved by the National Board
of Fire Underwriters.

Duplex Post Caps	Duplex Post Bases
Wall Plates	Joist Hangers
Wall Hangers	Wall Ties
Cleanout Doors	Ash Drops
Joist Anchors	Stone Anchors
Joggles	Cellar Doors
	Concrete Inserts

All Carried in Stock for Immediate Shipment

Write for Catalog and Discounts

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-32

BAIRD-OSTERHOUT CONSTRUCTION CO.

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 2.

PHILADELPHIA, WEDNESDAY JANUARY 13, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Garage, Oak Lane, Philadelphia. Architect, Valentine B. Lee, Oak Lane, Philadelphia. Owner, G. V. B. Leitch, Oak Lane, Philadelphia. Stone and frame, 2 stories, 19x20 feet, slate and shingle roof, electric lighting. Architect has received bids.

Dwellings (28), Upsal and Magnolia streets, Philadelphia, \$56,640. Architect, private plans. Owner, P. J. Kilcullen, 5340 Wakefield street, Philadelphia. Brick, 2 stories, 16x28 feet, slag roof, hot water heating, electric lighting. Work about to be started.

Dwellings (26), Fifty-ninth and Pentridge streets, Philadelphia, \$65,300. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, G. F. Gibson & Sons, 5807 Willow avenue, Philadelphia. Brick, 2 stories, 15x30 feet, slag roof, hot water heating, electric lighting. Work about to be started.

Warehouse, D street and Algon street, Philadelphia, south of Nicetown lane. Architect and Engineer, S. G. Matthews, 916 North Ninth street, Philadelphia. Owner's name withheld. Brick and steel, 1 story, 115x200 feet, slag roof, metal lath. Engineer taking sub-bids on all lines, due January 15th.

Residences (23), Germantown, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick, 2 stories, 16x40 feet, slag roof, hot water heating, electric lighting, oak floors. Plans in progress.

Picture Theatre (alt. and add.), 4817 North Broad street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Logan Amusement Co., on premises. Brick, concrete and terra cotta, fireproof, 1 story, 50x150 feet, slag roof, steam heating, electric lighting, metal lath. Architect taking bids, due January 13th. In addition to those previously reported, George Hogg, 1634 Sansom street, Philadelphia, is figuring.

Apartment House, Sydenham and Walnut streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Sydenham Apartment Co., on premises. Brick, terra cotta, fireproof, 11 stories, 40x150 feet, slag roof, steam heating (elevators and lighting reserved), tile floors, metal lath, waterproofing and dampproofing, metal frames

and sash, safety treads, steel tanks and stacks. Architect taking bids, due January 13th. The following are figuring: J. Myers & Sons Co., Witherspoon Building; Roydhouse-Arey Co., Fidelity Building; Cramp & Co., Denckla Building; George F. Payne Co., 401 South Juniper street; Fidelity Const. Co., Heed Building; George A. Fuller, Morris Building, all of Philadelphia.

Store (alt. and add.), Germantown and Cheltenham avenues, Germantown. Architects, Guy King Co., 1527 Walnut street, Philadelphia. Owners, Smyser & Scott, on premises. Brick, 4 stories, slag roof, steam heating, electric lighting. Plans in progress. Bids in a few days.

Store (alt. and add.), 405-07 Market street, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, L. Stecher, on premises. Brick, 5 stories, tin roof, metal lath, metal frames and sash (heating and lighting reserved). Architects have received bids.

Factory, Wingohocking, Philadelphia. Architects, Wm. Steele & Sons Co., Sixteenth and Arch streets, Philadelphia. Owner's name withheld. Brick and concrete, 1 and 2 stories, 100x183 feet, slag roof, metal frames and sash, dampproofing (heating and lighting reserved). Builders, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia, taking sub-bids.

Picture Theatre (alt. and add.), 4817 North Broad street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Logan Amusement Co., on premises. Brick, concrete and terra cotta, fireproof, 1 story, 50x150 feet, slag roof, steam heating, electric lighting, metal lath. Architect taking bids, due January 13th. Smith-Hardican Co., 1606 Cherry street; P. J. Hurley, 1233 Cherry street; Stewart Bros., 2526 North Orkney street, all of Philadelphia, are figuring.

Post Office (alt. and add.), for new toilet rooms, Ninth and Chestnut streets, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Postmaster, Ninth and Chestnut streets, Philadelphia. Steam heating, electric lighting, metal lath. Owners have received bids.

Picture Theatre (alt. and add.), 4817 North Broad street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Logan Amusement Co., on premises. Brick, concrete and terra cotta, fireproof, 1 story, 50x150 feet, slag roof, steam heating, electric lighting, metal lath. Architect taking bids, due January 13th. In addition to those previously reported, D. H. Sharp Co., Heed Building; George Rice, 1112 Loudon street, and Freund-Seidenbach Co., Bulletin Building, all of Philadelphia, are figuring.

Factory (alt. and add.), Twenty-third and Cherry streets, Philadelphia. Architects, Balingier & Perrot, 1211 Arch street, Philadelphia. Owners, S. J. Cresswell Iron Works, on premises. Brick, 2 and 3 stories, slate and slag roof (heating and lighting reserved). Architects taking bids, due January 14th. The following are figuring: Mitchell Bros., 2125 Race street; J. N. Gill Co., Heed Building; Wm. R. Dougherty, 1610 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; F. A. Havens Co., 845 North Nineteenth street; Matthew Schmid, 1308 North Sixth street; H. E. Baton, Twelfth and Sansom streets; Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Barclay White Co., Perry Building; Wm. Steele & Sons Co., Sixteenth and Arch streets; Stacy Reeves & Sons, 2011 Market street, all of Philadelphia.

Store (alt. and add.), Germantown avenue and Cheltenham avenue, Germantown. Architects, Guy King Co., 1527 Walnut street, Philadelphia. Owners, Smyser & Scott, on premises. Brick, 4 stories, slag roof, steam heating, electric lighting. Architect taking bids, due January 16th. The following are figuring: A. P. Fraim, 319 Market street; Samuel Harting, 20 East Johnson street; Pringle Borthwick, 8018 Germantown avenue; George C. Fossell, 128 East Cheltenham avenue; McClintock & Weaver, 24 West Phil-Ellena street, all of Philadelphia.

Residence, Pelham road, Germantown. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner's name withheld. Brick or stone, 2½ stories, 25x50 feet, slate

BLACK LINE PRINTS

DIRECT FROM TRACINGS.

Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

TRACING CLOTH,

Made on

TRACING PAPER,

WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



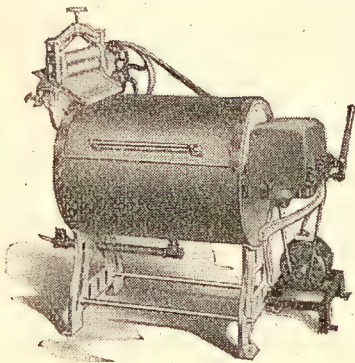
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
114 N. 2nd St., Phila.

roof, steam heating, electric lighting, oak floors. Plans in progress.

Warehouse, Delaware avenue and Pine streets, Philadelphia. Architect, private plans. Owners, Pennsylvania Warehousing and Safe Deposit Co., 113 South Third street, Philadelphia. Brick, concrete and steel, 8 stories, 75x135 feet. Plans in progress. Bids in about one month.

School (add.), Ninth and Mifflin streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, stone, fireproof, 3 stories, slate and slag roof, metal lath, metal frames and sash, safety treads, waterproofing. Lowest bid submitted by Wm. R. Dougherty, 1610 Sansom street, Philadelphia, \$69,000.

School (add.), Seymour and Knox streets, Germantown. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Stone, fireproof, 3 stories, slate and slag roof,

metal lath, metal frames and sash (heating and lighting separate bids). Lowest bid submitted by Thos. Reilly, 1616 Thompson street, Philadelphia, \$35,314.

School, James and Pratt streets, Tacony, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick and stone, fireproof, 3 stories and basement, 150x200 feet, slate roof (heating and lighting separate bids), composition floors, metal lath, waterproofing, safety treads, metal frames and sash, iron grilles. Lowest bid submitted by Thos. Reilly, 1616 Thompson street, Philadelphia, \$126,525.

Residence, School Lane, Philadelphia, \$20,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Mrs. Wm. J. Strawbridge, West School Lane, Philadelphia. Stone, 3 stories, slate roof, hot water heating, gas and electric lighting, hardwood floors. Plans about to be started.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Dwellings (3), Third street and Boulevard, Philadelphia, \$12,000. Architect, private plans. Owner, John G. Lawresey, 6508 North Seventh street, Philadelphia. Brick, 2 stories, 22x63 feet, slag roof, hot water heating, electric lighting. Contract awarded to P. A. Waltz, 6610 North Seventh street, Philadelphia.

Store (alt. and add.), 809-811 Chestnut street, Philadelphia, \$2,500. Architects (associated), Carl P. Berger, 1418 South Penn Square, Philadelphia, and L. E. Denslow, 44 West Eighteenth street, New York City. Owners, United Cigar Stores Co., 44 West Eighteenth street, New York City. Brick, consists of interior alteration and addition, new bulks, steam heating, tile floors (electric lighting separate bids). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Flat House, 1007-09 South Forty-sixth street, Philadelphia, \$35,000. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner's name withheld. Brick, 2 stories, slag roof, 40x125 feet, vapor vacuum heating, electric lighting, oak and composition floors, vacuum cleaning plant. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

Bank (alt. and add.), Fortieth and Lancaster avenue, Philadelphia, \$6,000. Architect, private plans. Owners, West Philadelphia Title and Trust Co., on premises. Consists of new elevator and new vault. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Storage Building, Margaretta street and Pennsylvania Railroad, Philadelphia, \$3,000. Architect, private plans. Owners, Swartley Wheel Co., on premises. Brick, 1 story, 36x84 feet, slag roof. Contract awarded to P. M. Sax, Heed Building, Philadelphia.

Residence, Somerton, Philadelphia, \$8,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Harold House-

man, Byberry road and Bustleton pike, Philadelphia. Frame, 2 stories, 25x50 feet, shingle roof, electric lighting (heating and floors reserved), weather strips (artesian well and fences reserved). Contract awarded to Specht — Sperry, Heed Building, Philadelphia.

Store, Oak Lane, Philadelphia, \$2,400. Architect, private plans. Owners, Acme Tea Co., Second and Noble streets, Philadelphia. Brick, 1 story, 23x85 feet, slag roof, hot air heating, gas lighting. Contract awarded to E. H. Sturts, 2614 Ridge avenue, Philadelphia.

Printing House (alt. and add.), American and Locust streets, Philadelphia, \$12,000. Architect, private plans. Owners, Franklin Bindery, Juniper and Cherry streets, Philadelphia. Brick, 4 stories, interior alteration and addition. Contract awarded to H. C. Dahl, 231 South Eighth street, Philadelphia.

Factory and Store Building (fire repairs), 1231-33 Filbert street, Philadelphia, \$11,500. Architect, private plans. Owner, Robert Patterson Estate, 3348 North Fifteenth street, Philadelphia. Brick, 5 stories, slag roof, electric lighting. Contract awarded to John N. Gill Co., Heed Building, Philadelphia.

The business man who grudges a commission to an advertising agent who thinks "he can do it himself" is usually about as intelligent as he would be if he grudged the commission of the architect and decided to build his store for himself.

He would save the commission of the architect, but ruin the store.

This is the age in which one man DOES ONE THING. You can run your BUSINESS. Find a man who can RUN YOUR ADVERTISING.

UNITAS TILING

A non metallic substitute for tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

PENNSYLVANIA Construction News

Rectory, York, Pa., \$10,000. Architect, Edward Leber, Hay Building, York, Pa. Owner, St. Patrick's R. C. Church. Rev. James McGrath, York, Pa. Brick, stone and terra cotta, 3 stories, 33x80 feet. Details not yet decided. Plans in progress.

Car Barn (add.), Lebanon, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Hershey and Lebanon Street Railway Co., Hershey, Pa. Brick and steel, 1 story, 40x60 feet, slag roof, electric lighting, concrete floors. Plans in progress.

Auditorium, Hershey, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, M. S. Hersey, Hersey, Pa. Hollow tile, stucco and steel, 1 story, 140x200 feet; slag and shingle roof, electric lighting. Plans in progress.

Club House (add.), Lancaster, Pa. Architect, H. H. Aungst, 112 North Queen street, Lancaster, Pa. Owners, Knights of Malta, C. S. Martin, Secretary, Lancaster, Pa. Brick, 3 or 4 stories, 90x30 feet, slate roof, steam heating, electric lighting, composition floors, metal lath, waterproofing. Plans in progress.

Home (add.), Lancaster, Pa., \$9,000. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owners, American Order of Otters, Lancaster, Pa. Brick, 2½ stories, 80x30 feet, slag roof, hot water heating, gas and electric lighting. Architect has received bids.

Bank Building (alts.), Reading, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Penn National Bank, Reading, Pa. Consists of new mezzanine floor, iron stairs, cork tile floors. Plans in progress.

Bindery and Loft Building, Reading, Pa., \$15,000. Architect, J. Earl Hickman, 119 South Fifth street, Reading, Pa. Owner, August Warnold, 634 Washington street, Reading, Pa. Brick, 3 stories, 36x100 feet, asbestos roof, steam heating, electric lighting. Architect is ready for bids.

Residence and Garage, Springmont, Pa., \$7,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. H. Barr, Springmont, Pa. Hollow tile and brick, 2½ stories, 28x40 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Architect taking bids. The following are figuring: Beard Construction Co., Berks County Trust Building; Daniel A. Hunter, 820 North Eleventh street; W. A. Sharp, 1208 Eckert avenue; H. J. Randembush, 1324 Perkiomen avenue; George A. Koch, 1024 Robeson street; Charles H. Schlegel, 2224 Perkiomen avenue, all of Reading, Pa., and Adam P. Spatz, Wernersville, Pa.

Stores, Apartments and Office, Glenside, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, William T. B. Roberts, Glenside, Pa. Brick, 2 stories, 90x100 feet, slag or slate roof, hot water heating, electric lighting. Plans in progress.

Factory Buildings, Harrisburg, Pa. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, W. O. Hickok Manufacturing Co., Harrisburg, Pa. Brick, steel and concrete, 1 and 2 stories, main build-

ing 150x260 feet, foundry 60x140 feet, stable and power house, slag roofs, steam heating, electric lighting. Plans in progress. Engineers will take bids in about two months.

Laboratory, Easton, Pa. Architects, Chas. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, Lafayette College, Easton, Pa. Stone and brick, 1 story, 50x65 feet, slate and copper roof, steam heating, electric lighting. Architects taking bids, due January 13th. The following are figuring: A. A. Bechtel, H. G. Folkenson and F. T. Lerch & Co., all of Easton, Pa.

School, Quarryville, Pa., \$25,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Board of Education, care of David R. Forbes, Quarryville, Pa. Brick and stone, 1 story and basement, 73x117 feet, slate roof, steam heating, electric lighting, composition floors, metal lath. Owners taking bids, due January 16th. F. Roe Searing, Perry Building, and Berry-Goodwin Co., Drexel Building, both of Philadelphia, are figuring.

Residence (alt. and add.), West Chester, Pa. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Henry Pepper Norris, Land Title Building, Philadelphia. Brick, 2 stories, tin roof, electric lighting (heating reserved). Architect taking bids, due January 14th. The following are figuring: Henry L. Brown, 1714 Sansom street; George L. Sipps, 913 Locust street, all of Philadelphia; P. E. Jefferies, William Jones, J. M. Burns, all of West Chester, Pa.

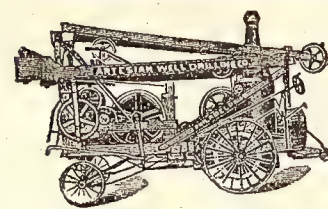
Jail (alt. and add.), Easton, Pa. Architect, Martin Kirkpatrick, 1001 Chestnut street, Philadelphia. Owner, City of Easton. Consists of new skylight and interior alterations. Plans in progress.

School Building (alt. and add.), Mt. Joy, Pa. Architects, Hauer & Mowere, 3110 Columbia avenue, Philadelphia. Owners, School Board, Mt. Joy, Pa. Brick and stone, 2 stories, slate roof, electric lighting, slate blackboards. Plans in progress.

Home Buildings, Williamsport, Pa., \$250,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, State of Pennsylvania, Home for Criminal Women, George Quintard Horwitz, chairman of committee, West End Trust Building, Philadelphia. Brick, stone and steel, fireproof, 1, 2 and 3 stories, slate roof, steam heating, electric lighting. Plans about to be started.

Fraternity House, State College, Pa., \$22,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Phi Gamma Delta, State College, Pa. Brick, 2½ stories, 25x100 feet, shingle roof, steam heating, electric lighting. Architects ready for bids in one week.

Residence (alt. and add.), Ambler, Pa. Architect, Francis G. Caldwell, Stephen Girard Building, Philadelphia. Owner, John Binder, Ambler, Pa. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting, metal lath. Architect taking bids, due January 21st. The following are figuring: F. B. Davis, 240 North Sixteenth street; J. Sims Wilson, 1125 Brown street,



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

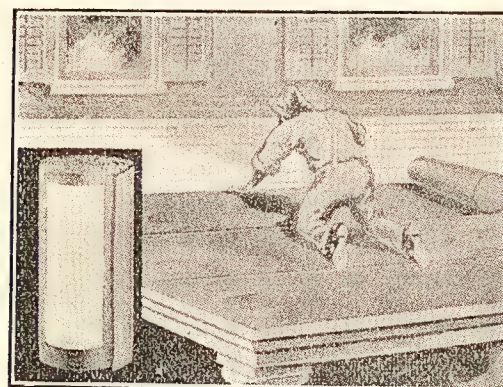
Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**



Willow Brand Cotton Duck Roofing

is used on the Finest Buildings, also where severe strain and wear is essential for roof or deck, and in preference to tin, tar or copper, and is more durable than any roofing prepared or other kind. Samples mailed.

Widths from 26 to 120 inch. Cut
any length or in 100 yd. Rolls

R. A. HUMPHRYS' SONS
1021-1023 Callowhill St., Phila.

HARRY C. EISENBISE CO.
Consulting Engineers
1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

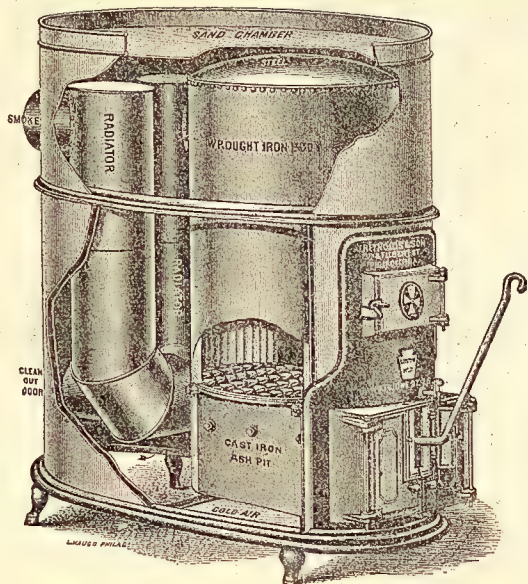
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

J. W. COLQUHOUN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,
Contracting
Painter and Decorator
Hardwood Finishing Frescoing
Office and Work Rooms Philadelphia
2018-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

both of Philadelphia, and T. W. Kenderdine and George Frankenfield, both of Ambler, Pa., and Walter Shaeff, Blue Bell, Pa.

Residence, Elkins Park, Pa. Architects, Stackhouse & Street, Drexel Building, Philadelphia. Owner, S. W. Lowenstein, Oak Lane, Philadelphia. Hollow tile and plaster, 2½ stories, 30x60 feet, slate roof, hot water heating, electric lighting, oak floors, canvas roof. Architect ready for bids.

Residence, Easton, Pa., \$5,000. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, Harlan Woehrl, 619 Summit avenue, Easton, Pa. Stone and shingles, 2½ stories, 38x33 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in three weeks.

Twin Residence (alt. and add.), Riegelsville, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, Jacob Kohl, Riegelsville, Pa. Frame, 2 stories, 30x35 feet, slate roof, hot air heating. Plans in progress.

Twin Residence, Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, George Lennox, Easton, Pa. Brick, 3 stories, 32x42 feet, slate roofs, hot air heating, electric lighting. Plans in progress.

Residences (12), Easton, Pa., \$25,000. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, Pascoe Realty Co., Flemming Building, Easton, Pa. Sand lime bricks, 3 stories, slate roofs, hot air

heating, electric lighting, tile work. Owners ready for bids.

Residences (18), Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, Pascoe Realty Co., Flemming Building, Easton, Pa. Brick, 3 stories, 15x40 feet each, slate roofs, hot air heating, electric lighting, tile work. Plans in progress.

Residence (alts.), Ardmore, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Lower Merion Township Commissioners, Ardmore, Pa. Stone and frame, 2½ stories, consists of general interior alterations. Owners taking bids, due January 18th. The following are figuring: Specht & Sperry, Heed Building; E. J. Hedden, 1418 South Penn Square; Wm. H. Eddleman & Son, 453 Green lane, Roxborough, all of Philadelphia, and Philip S. Davis, Bryn Mawr, Pa.; Frank H. Mahan, Ardmore, Pa.

Residence, Merion, Pa., \$18,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Wm. H. Steigerwalt, 1420 Chestnut street, Philadelphia. Brick, plaster and timber, 2½ stories, 30x100 feet, slate roof, hot water heating, gas and electric lighting, hardwood floors, tile work. Plans about completed. Bids in a few days.

Residence (alt. and add.), Villanova, Pa. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, P. Hollingsworth Morris, Villanova, Pa. Stone, 2½ stories, hot water heating, electric lighting, hardwood floors. Plans about to be started.

PENNSYLVANIA Contracts Awarded

Storage Building, Marcus Hook, Pa. Architect, private plans. Owners, United Roofing and Manufacturing Co., Morris Building, Philadelphia. Brick and steel, 1 story, 67x73 feet, galvanized roof. Contract awarded to W. W. Lindsay, Harrison Building, Philadelphia.

Residence, Bryn Mawr, Pa. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owner, E. E. Rambo, 1920 North Camac street, Philadelphia. Brick and plaster, 3 stories, 35x40 feet, shingle roof, hot water heating, electric lighting. Contract awarded to W. Harry Roberts, Newtown Square, Pa.

Farm Cottage (alt.), Gwynedd, Pa. Architect, private plans. Owner, George I. Bodine,

Chestnut Hill, Philadelphia. Stone, 2 stories, 18x21 feet, shingle roof, electric lighting. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Factory, Reading, Pa., \$5,000. Architect, private plans. Owner, A. Daniels Ziebers, Court and Moline streets, Reading, Pa. Brick, 3 stories, 40x73 feet, slag roof, steam heating, electric lighting. Contract awarded to Geo. K. Derr, 729 North Fourth street, Reading, Pa.

Store and Apartments (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa.

LIGHTING FIXTURES

In our show rooms you will find a complete line of **LIGHTING FIXTURES**

FRANKLIN FIXTURE COMPANY
Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms
242 PENN STREET, - READING, PA.

SAUMS PRESERVATIVE



Owners, Horn and Hardart

Architects, Stuckert and Sloan

**All wood floors treated with Saums Preservative
Prevents Dry Rot and Splintering**

The only permanent preservative for wood and Concrete

THE SAGENDORPH COMPANY

131-133 SOUTH 24th STREET

:

PHILADELPHIA, PA.

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 2, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 30, 1915, for a new plumbing system, a new conduit and wiring system, and interior lighting fixtures in the United States Custom House at St. Louis, Mo. Drawings and specification may be obtained from the custodian of the building, St. Louis, Mo., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 5, 1915.—Plans and specifications are now approaching completion for a central heating, lighting and power plant, to be erected in this city under the direction of this office. These plans and specifications will be ready for delivery on or after January 15. Bids may be submitted for the entire work or for any one of the following sections: Power plant building complete, with steel stacks; boilers; generating apparatus; pumping equipment; condensers; coal and ash handling apparatus; steam and water piping; switching gear; tunnels; sub-station apparatus, etc. Prospective bidders should immediately submit to this office applications for plans and specifications, stating the portions of the work upon which they desire to bid. If it appears that the applicant is in a position to bid on all of the work in any one of the sections of the project, or upon the entire work, the plans and specifications will be forwarded. No plans or specifications will be furnished sub-bidders or others not in a position to submit a bid on all of the work comprised in at least one section. The Department will be able to allow only about 15 days for the preparation of estimates. At the time plans and specifications are forwarded to bidders the date for the opening of bids will be stated, and this date will not be extended. O. Wenderoth, Supervising Architect.

GRANT PULLEY AND HARDWARE CO. OPENS A PHILADELPHIA OFFICE.

The Grant Pulley and Hardware Company, of 3 West Twenty-ninth street, New York City, manufacturers of the Diamond Ball Bearing Door Hangers and casement and pivoted window hardware, have opened a branch sales office in the Land Title Building, Philadelphia. Mr. William M. Bagnall will have charge of the Philadelphia office. All inquiries addressed to this office will receive the personal attention of Mr. Bagnall, whose experience in the hardware line assures satisfaction to all.

FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

All Sizes

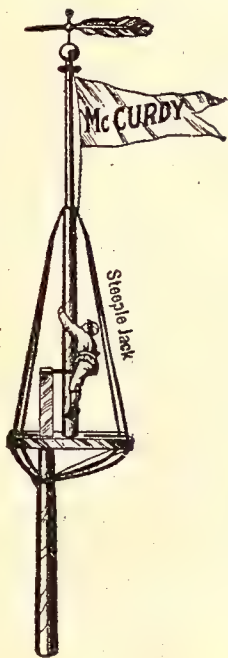
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Owner, W. R. Bricker, 201 South Third street, Easton, Pa. Brick and steel, 4 stories, 125x23 feet, slag roof, steam heating, gas and electric lighting, tile work. Contract awarded to George Lutz, Easton, Pa.

New Jersey Construction News

Infirmary, Trenton, N. J., \$40,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, City of Trenton, Department of Public Administration, City Hall, Trenton, N. J. Brick, 3 stories, 215x30 feet, slate roof, steam heating, gas and electric lighting, metal lath. Plans completed. Owners will advertise for bids in a few days.

School (add.), Beverly, N. J., \$25,000. Architect, H. A. Brown, Beverly, N. J. Owners, Board of Education, Clarence Hazzard, Secretary, Beverly, N. J. Brick, 2 stories, 60x50 feet, tin roof, electric lighting, slate blackboards (heating separate bids). Owners taking bids, due January 18th. The following are figuring: Berry-Goodwin Co., Drexel Building, Philadelphia; Peterson Const. Co., Clayton, N. J.; J. E. Kolster, Beverly, N. J.; Garrett Logan, Beverly, N. J.; George W. Shaner, Palmyra, N. J.; Hugh Miller, Edgewater Park, N. J.; George Bachmann, 19 North Thirtieth street, Camden, N. J.

Flat House, Trenton, N. J., \$9,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, John Satterthwaite, Trenton, N. J. Brick, 3 stories, 29x60 feet, slag roof, steam heating, electric lighting, tile work. Plans about completed. Architect will take bids in one week.

Residence, Trenton, N. J., \$4,000. Architect,

private plans. Owner, Louis Levy, 320 Centre street, Trenton, N. J. Brick, 2½ stories, 15x28 feet, slate and tin roof, hot air heating, gas and electric lighting. Owner is sub-letting all contracts.

School (add.), Beverly, N. J., \$25,000. Architect, H. A. Brown, Beverly, N. J. Owners, Board of Education, Clarence Hazzard, Secretary, Beverly, N. J. Brick, 2 stories, 60x50 feet, tin roof, electric lighting, slate blackboards (heating separate bids). Owners taking bids, due January 18th. Berry-Goodwin Co., Drexel Building, Philadelphia, are figuring.

Apartment House, Phillipsburg, N. J., \$7,500. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, A. E. Person & A. R. Burkholder, Phillipsburg, N. J. Brick, 2½ stories, 44x55 feet, slate roof, heating not decided, gas and electric lighting, composition boars. Owners taking bids. The following are figuring: H. J. Wenzelberger, James Gipp and Richard Gavin, all of Phillipsburg, N. J.

Residence, Haddonfield N. J., \$6,500. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner, John Trumpy, Haddonfield, N. J. Hollow tile and stucco, 2½ stories, 27x40 feet, shingle roof, hot air heating, gas and electric lighting. Architects taking bids. J. W. Draper, 436 Haddon avenue, Camden; Frank Turner, 828 Broadway, Camden; A. H. K. Doughty, Collingswood, N. J.; W. H. Johnson, Haddonfield, and R. W. Holloway, Haddonfield, N. J., are figuring.

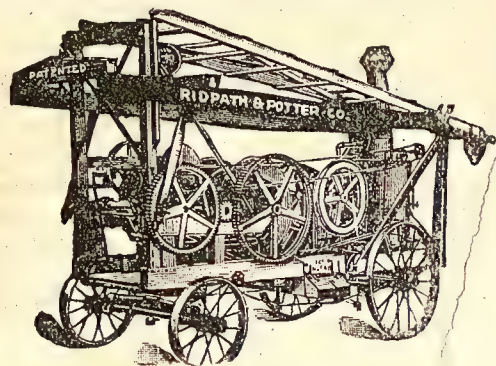
New Jersey Contracts Awarded

Theatre, Trenton, N. J., \$15,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, E. Mercer Shreve Estate, Trenton, N. J. Brick, 1 story, 40x82 feet, slag roof, steam heating, electric lighting, composition floors. Contract awarded to W. J. & J. H. Morris, Broad Street Bank Building, Trenton, N. J.

Residences (2), Trenton, N. J. Architect, private plans. Owners, H. J. Miller Realty Co., Trenton, N. J. Frame, 2½ stories, 14x30 feet each, slate and tin roof, hot air heating, gas lighting. Contract awarded to David Teitz's Son, Trenton, N. J.

Residence (alt. and add.), Ventnor, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, George A. Gumphert, Atlantic City, N. J. Frame, 2½ stories, slate roof, hot water heat, electric light. Contract awarded to Atlantic Building Co., Union National Bank Building, Atlantic City, N. J.

A retailer may fool himself by failing to charge all of his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—Ex.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

MARYLAND Construction News

Club House, Fort McHenry, Md. Architect, Ralph Leland, 1606 North Calvert street, Baltimore. Owners, Ariel Rowing Club, Ferry Bar, Baltimore, Md. Frame, 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Club House, Stone House Cove, Md. Architect, John Owens, 7 Clay street, Baltimore, Md. Owner, Corinthian Boat Club, Stone House Cove, Baltimore, Md. Frame, 2 stories, 33x132 feet, slate roof, steam heating, electric lighting. Plans in progress.

Club House, Fort McHenry, Md. Architect, Ralph Leland, 1606 North Calvert street, Baltimore. Owners, Arundel Boat Club, Ferry Bar, Baltimore, Md. Frame, 3 stories, slate roof, hot water heating, electric lighting. Plans in progress.

Store Building (alts.), 118 North Howard street, Baltimore. Architect, Louis Levi, Munsey Building, Baltimore. Owner's name withheld. Consists of new front and alterations, steam heating, electric lighting. Architect has received bids.

Gate House, Lock Raven, Md. Engineer, private plans. Owner, City of Baltimore, Water Department, City Hall, Baltimore. Frame, 1 story, 37x56 feet, tile roof, electric lighting. Owners have received bids.

School, Chestertown, Md., \$16,000. Architect not yet selected. Owners, School Board of Kent County, Chestertown, Md. Brick, 2 stories, slate roof, steam heating, electric lighting. Owners will soon select architect.

Store Building (alts.), 106 North Howard street, Baltimore. Architect, Louis Levi, Munsey Building, Baltimore. Owner, C. F. A. Richter, 2839 West North avenue, Baltimore. Consists of new front and alterations, steam heating, electric lighting. Plans in progress.

Residence and Garage, Chevy Chase, Md., \$10,000. Architect, B. S. Simmons, 1342 New York avenue, N. W., Washington, D. C. Owner, Mrs. Price, care of architect. Hollow tile and plaster, 2 stories, 60x150 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residences (11), Westwood avenue, near Payson street, Baltimore, \$23,000. Architect,

J. F. Gerwig, Equitable Building, Baltimore, Md. Owner, Randolph Forrester, 2019 West North avenue, Baltimore. Brick, 2 stories, 14x44 feet each, slag roof, steam heating, electric lighting. Owner is sub-letting all contracts.

Residence and Garage, Bradley Hills, Md., \$50,000. Architect, J. H. De Sibour, Hibbs Building, Washington, D. C. Owner, Edward McLean, Twenty-first and Massachusetts avenue, Washington, D. C. Frame, 2½ stories, slate roof, steam heating, electric lighting, hardwood floors, tile work. Architect taking bids. C. A. Langley, 310 Twelfth street, N. W., Washington, D. C., and John Simpson Sons, Chevy Chase, Md., are figuring.

Warehouse and Factory, Central avenue, near Baltimore street, Baltimore, \$15,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owners, Baltimore Plumbing Supply Co., 1001 East Baltimore street, Baltimore. Brick, 3 stories, slag roof, steam heating, electric lighting. Owners have received bids.

Store and Warehouse, Paca and Mulberry streets, Baltimore. Architects, Haskell & Barnes, 301 North Charles street, Baltimore. Owner, Joseph E. Watkins, 1017 Myrtle avenue, Baltimore. Brick, 3 stories, tin roof, steam heating, electric lighting. Architects taking bids. The following are figuring: Wm. Ferguson & Bro., 214 Clay street; John E. Marshall & Sons, Mercer and Grant streets; John Waters, 23 East Centre street, all of Baltimore.

Packing Plant, Exeter and Lombard streets, Baltimore, \$20,000. Architect, George R. Callis, Knickerbocker Building, Baltimore. Owners, Consolidated Beef and Provision Co., Baltimore, Md. Brick, 2 stories, concrete and steel, 50x150 feet, slag roof, steam heating, electric lighting, concrete floors. Architect taking bids. The following are figuring: Consolidated Engineering Co., Calvert Building; Cowan Building Co., 106 West Madison street; Fred Decker & Son, 1209 East Biddle street; West Construction Co., Knickerbocker Building; John T. Moke, 1825 West Baltimore street, all of Baltimore, and Lustbader Construction Co., 163 East Eighty-second street, New York City.

MARYLAND Contracts Awarded

Store Building, Eutaw and Franklin streets, Baltimore. Architect, Louis Levi, Munsey Building, Baltimore. Owner's name withheld. Brick, 3 stories. Consists of new front

and interior alterations, slag roof, steam heating, electric lighting. Contract awarded to Joseph Schamberger, 2122 East Baltimore street, Baltimore, Md.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



Does Your
Roof Leak?

Tin and Slag,
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave - Phila., Pa.
ESTABLISHED 1865

Paper Mill, Highlandtown, Md., \$25,000. Architect, private plans. Owners, Canton Co., Commerce and aWater streets, Baltimore, Md. Brick, 1 story, 70x192 feet, slag roof, electric lighting, concrete floors. Contract awarded to C. L. Stockhausen, Gay and Water streets, Baltimore, Md.

Factory, Bayard and Nanticoke streets, Baltimore, \$26,350. Architect, private plans. Owners, Baltimore Gas Appliance and Manufacturing Co., Bayard and Hamburg streets, Baltimore, Md. Brick, 2 stories, 215x135 feet, slag roof, electric lighting, concrete floors. Contract awarded to B. F. Bennett Building Co., 123 South Howard street, Baltimore, Md.

Stores and Residences (2), 536-38 West Franklin street, Baltimore, Md., \$7,500. Architect, Charles S. Diestifano, 114 East Lexington street, Baltimore, Md. Owner, C. Carnazio, care of architect. Brick, 2 stories, 32x66 feet, tin roof, steam heating, electric lighting. Contract awarded to J. D. Baker, Lexington and Mount streets, Baltimore, Md.

It isn't given to everybody to do the big things that advertise themselves like building interoceanic canals or endowing universities or conducting Billy Sunday revivals. Some of us have to do our own advertising and pay for it at so much per line.

Miscellaneous Construction News

School Building and Boiler House, Providence, R. I. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Rhode Island School of Design, Providence, R. I. Brick, stone, fireproof, 5 stories, boiler house 1 story, 30x74 feet, school 62x129 feet, slag roof, steam heating, electric lighting, composition floors, metal lath, waterproofing and dampproofing, safety treads, elevators, metal sash and frames, steel doors and frames. Contract awarded to Norcross Bros. Co., Worcester, Mass.

Excavation and Foundation for Free Library, Detroit, Mich. Architect, Cass Gilbert, 11 East Twenty-fourth street, New York City.

Owners, Detroit Public Library, Detroit, Mich. Concrete and stone, 180x225 feet, waterproofing and dampproofing. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

High School, Huntingdon, W. Va. Architect, Verus T. Ritter, Huntingdon, W. Va. Owners, Board of Education, care of J. K. Oney, Secretary, Huntingdon. Brick and stone, fireproof, 3 stories (heating and lighting reserved). Owners taking bids, due February 5th. Henry L. Brown, 1714 Sansom street, and J. E. & A. L. Pennock, Land Title Building, Philadelphia, are figuring.

\$50. Slaughter house, brick, 2 stories, 16x12 feet, 2003 South Tenth street.

W. Vogman (O), 842 Carroll street. B. Bornstein (C), 412 South Fifth street. Cost, \$1,000. Dwelling, brick, 10x12 feet, 845 Winton street.

United Cigar Stores Co. (O), New York City. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$2,500. Store, 809 Chestnut street.

W. T. Clark (O), Thirtieth and Columbia avenue. Cost, \$1,000. Residence, heating, 1401 Thompson street.

G. I. Bodine (O), 129 South Fourth street. F. B. Davis (C), 240 North Sixteenth street. Cost, \$1,000. Stable, Germantown avenue and Chestnut Hill avenue.

West Philadelphia Title and Trust Co. (O), Fortieth and Lancaster avenue. Metzger & Fisher (C), Denckla Building. Cost, \$6,000. Brick, elevator, new vault, Fortieth and Lancaster avenue.

Charles F. Plass (O), Germantown and Cheltenham avenues. G. C. Fossel (C), 128 East Cheltenham avenue. Cost, \$1,600. Store and dwelling, brick, 1 story, 11x20 feet, 1253 East Cheltenham avenue.

Robert B. Haines (O), 1011 Chestnut street. John Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$600. Fire escape, 25-27 North Fourth street.

P. Donahue (O), 309 East Lehigh avenue. M. Morrison (C), 2322 North Howard street. Cost, \$500. Dwelling, 309 East Lehigh avenue.

Peter Flood (O), 313 East Lehigh avenue. M. Morrison (C), 2322 North Howard street. Cost, \$500. Dwelling, 313 East Lehigh avenue.

M. Browne (O), 323 East Lehigh avenue. M. Morrison (C), 2322 North Howard street. Cost, \$500. Dwelling, 323 East Lehigh avenue.

Loux Sons (O), 242 North Tenth street. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$735. Store and dwelling, 244 North Tenth street.

M. F. Jacobs (O), 942 South Forty-ninth street. Geobel & Scott (C), 717 Sansom street. Cost, \$750. Heating, 942 South Forty-ninth street.

James McCall Estate (O), 310 North Seventeenth street. Union Building Co. (C), 1729 Willington street. Cost, \$600. Store and office, frame, 1 story, 13x19 feet, 1617 Ranstead street.

Max Leveright (O), Eighth and Spring Garden streets. William Steele & Sons Co. (C), Sixteenth and Arch streets. Cost, \$1,500. Store, alteration, Eighth and Spring Garden streets.

L. Freis (O), 5420 Market street. W. Magee (C), 5548 Haverford avenue. Cost, \$575. Store, brick, 1 story, 8x16 feet, slag roof, 5418 Market street.

Max Cohen (O), 267 South Fifty-second street. F. Nardy (C), 1228 Fitzwater street. Cost, \$1,500. Store and dwelling, 267 South Fifty-second street.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Geo. W. Shissler (O), 2300 South Eleventh street. Cost, \$50,000. Residences (25), 2 stories, brick, 16x37 feet, Sheridan and Shunk streets.

Logan Auditorium Co. (O), 1344 Rising Sun avenue. Freund Seidenbach Co. (C), Bulletin Building. Cost, \$32,500. Stores and theatre, brick, 1 story, 45x140 feet, Broad and Rockland streets.

John G. Lawresey (O), 6508 North Seventh street. P. A. Waltz (C), 6610 North Seventh street. Cost, \$12,000. Three dwellings, brick, 2 stories, 22x63 feet, Third and Boulevard streets.

George F. Steumpfig (O), 5340 Wayne avenue. H. P. Schneider (C), 3713 York road. Cost, \$4,500. Store and office, 2 stories, 22x67 feet, brick, 38 West Cheltenham avenue.

I. Seidman (O), 1324 South Fourth street. Cost, \$2,500. Store and dwelling, brick, 3

stories, 15x46 feet. Cost, \$3,500. Store and dwelling, Thirty-ninth and Spring Garden streets.

G. F. Gibson & Sons (O), 5807 Willows avenue. Cost, \$65,300. Twenty-six dwellings, brick, 2 stories, 15x30 feet, Fifty-ninth and Pentridge streets.

P. J. Kilcullen (O), 5340 Wakefield street. Cost, \$56,640. Twenty-eight dwellings, brick, 2 stories, 16x28 feet, Upsal and Magnolia streets.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$6,000. Two dwellings, brick, 2 stories, 15x45 feet. Cost, \$19,200. Eight dwellings, brick, Fifty-fourth and Cedar avenue.

O. Epstein (O), 4959 Pine street. A Budman (C), 44 North Fourth street. Cost, \$2,500. Swelling and store, brick, 3 stories, 16x54 feet, 410 Poplar street.

J. F. Kiefner (O), 4056 Lancaster avenue. D. F. Hoover (C), 664 Preston street. Cost, \$650. Garage, brick, 2 stories, 30x14 feet, 4047 Warren street.

Dr. McFadden (O), 5952 Spruce street. William M. Watts, Jr. (C), 62 North Sixty-first street. Cost, \$1,450. Store and dwelling, 20 North Sixtieth street.

Dr. George Callan (O), 1727 North Fifteenth street. Gray & Dormer (O), 1729 Columbia avenue. Cost, \$600. Heating apparatus, 1727 North Fifteenth street.

Bradley Market Co. (O), Twenty-first and Market streets. United Cork Co. (C), Land Title Building. Cost, \$2,000. Cold storage, Twenty-first and Market streets.

A. Silberstein (O), Seventeenth and Latona streets. Louis Cohen (C), 417 Christian street. Cost, \$900. Storage alteration, Seventeenth and Latona streets.

Gates Home-Made Candy Co. (O), Howard and Norris streets. H. P. Schneider (C), 3713 York road. Cost, \$1,500. Factory, fire damages, Howard and Norris streets.

J. Kershaw (O), Fifty-second and Chestnut streets. J. N. Gill & Co. (C), Heed Building. Cost, \$6,000. Apartments, 5215 Chestnut street.

David Sorkin (O), 2003 South Tenth street. N. Neiman (C), 1029 Jackson street. Cost,

Alterations and Additions

Ed. Kagermann (O), 2600 East Westmoreland street. W. Deamond (C), 2048 East York street. Cost, \$450. Dye works, alterations, brick, 2600 East Westmoreland street.

J. Winchell (O), Seventeenth and Sansom streets. C. J. Williams (C), 3200 Arizona street. Cost, \$550. Dwelling, heating plant, 122 North Nineteenth street.

Estate M. P. Mellon (O), Bryn Mawr, Pa. George C. Dougherty (C), 1725 Ludlow street. Cost, \$500. Offices, alteration and addition, 32 South Seventeenth street.

C. Marchesella (O), 742 South Warnock street. A. Pile (C), 1209 South Thirteenth street. Cost, \$700. Residence, 809 South Percy street.

Horace Linton (O), Clearfield and Ruth streets. H. Moyer (C), 2029 East Wishart street. Cost, \$4,400. Garage, brick, 50x66 feet, one story, Clearfield and Ruth streets.

E. E. Davis (O), West Shawmont avenue. Cost, \$400. Shop, frame, 1 story, 20x60 feet, slag roof, Shawmont and Ridge avenues.

S. G. Chase (O), 3465 Chestnut street. Bowre Bros. Co. (C), Real Estate Trust Building. Cost, \$900. Residence, heating, 3465 Chestnut street.

E. Recciardi (O), 1164 South Ninth street. J. Juliono (C), 1132 Watkins street. Cost, \$1,050. Store and dwelling, brick, 3 stories, 12x20 feet, 1164 South Ninth street.

THE "MODERN" STYLE ABROAD

Mr. Serracino Strongly Disapproves Contemporary European Architectural Tendencies. America Far Ahead of Europe in the Matters of Heating, Ventilating and Sanitary Equipment

Mr. N. Serracino, graduate of the Architectural School of the University of Naples, has recently returned to New York City, following a five months' tour of England, France, Switzerland and Italy. Mr. Serracino's impressions make lively reading.

"When I left New York for Liverpool and London," said Mr. Serracino, "I anticipated that the buildings of these cities would be of Gothic design, but found that, with the exception of the Houses of Parliament in London, all the public edifices were in the Greek and Roman style.

"When I got into France, Switzerland and Italy, I noticed that most of the buildings in course of erection were designed after what is coming to be called the Modern style. Hotels, residences, theatres, in fact, all kinds of buildings, even chapels and mausoleums, are so built. Some architects call it the Floral, others the Liberty and still others the Art Nouveau style. These names, in my opinion, are not exactly correct. I think it might more legitimately be termed the Modern style.

"This Modern style varies from all others in that it is unhampered by the rules, traditions and proportions of the Classic orders. The art of decoration is based more on imitation of natural flowers and plants, transforming them in order to suit decorative purposes. In France, Switzerland and Italy it seems that this Modern style is being generally used, and it appears that a large part of the public is beginning to like it. This modern architectural decoration is inspired by simplicity, limiting the ornamentation, and is free from all tradition and the rules of everything that was done before. Flowers and plants are imitated and in some buildings polichrome effects are produced.

"While these are the ideas of the Modern style, we highly condemn the so-called Futurists, who in art are like anarchists in that they would destroy the artistic heritage of the past and attempt to create something entirely new, which would be a difficult task for the greatest of architects.

"This Modern style is highly commendable in a great many occasions, but it is being pushed to excess, and a great many architects are employing for ornamentation flowers and plants which have been transformed to such an extent that in many cases the style has been made to appear ridiculous. Eccentricity has been given too much latitude.

"Most of the buildings in Europe are now being built with reinforced concrete, using stucco on the outside with different finishes. Even natural stones are imitated in a surprising manner by using the cement and finishing the surface with powder of the real stone

they are imitating. There are many fine examples of this in Switzerland and in Northern Italy.

"I have seen beautiful examples of the Modern style in residences and theatres, and liked them very much. I have seen other buildings where there was too much ornamentation and eccentricity, and in such cases this Modern style did not appeal to me at all.

"I should not like to see this style employed for public buildings, or, for that matter, buildings of any serious nature. In Rome I noticed several examples of this architecture, and I wish to criticise strongly the extension to the Montecitorio Building now being used as the House of Parliament. This old building was begun by the great architect, Lorenzo Bernini, in 1650, and completed by C. Fontana. It is a beautiful specimen of the good period of the Baroque style. The new extension, however, is being erected in the Modern style, flowers, fruits and plants being used for ornamentation. The new addition as it is being built, would look very well if it were going to be used as an apartment house or hotel, but it is by no means suitable for a House of Parliament, particularly as an extension to the work of Bernini, who was an architectural genius. In my opinion, it should have been compulsory that the same style be employed for any addition to such a building. The Bernini's facade will be left unaltered, but the rear and portion of the side elevations will be in the Modern style. While I do not think this new style is appropriate for a building of this character, I do think it will look queer and ridiculous to have the facade in one style and the rear and side elevations in an entirely different style, especially in this new one.

"While in Rome, I visited the American Academy of Fine Arts, which is situated on the Janiculum Hill, one of the beautiful spots of Rome. The Director, Mr. Jesse Benedict Carter, kindly showed me the old and new buildings and also took me through the gardens. The new building is beautiful and simple in design; the outside is dignified and correct and the inside very comfortable and sanitary. The building is provided with the latest and best systems of heating and plumbing and the rooms are all well lighted and ventilated.

"Another important thing to which my attention was called was that while all the important buildings in Europe, old and new, are carefully decorated on the outside and inside, it appears that to a greater or less degree the heating and ventilating systems and the sanitary requirements are deficient. In this respect America is far in advance of any of the cities I visited in Europe."

T-SQUARE CLUB'S COMPETITION.

Prizes Offered for the Most Attractive and Practical Design for a City House Front.

Through the generosity of Mr. John H. McClatchy, builder, of this city, the T-Square Club will hold a competition for the design of a city house front and will award \$500.00 in prizes as follows:

First Prize—\$250.

Second Prize—\$125.

Third Prize—\$75.

Fourth Prize—\$50.

The competition is open to all, without restriction, who comply with the following conditions:

The Jury of Award shall consist of Messrs. H. Brocklehurst, President Operative Builders' Association; T. Shallcross, Jr., President Philadelphia Real Estate Board; M. B. Medary, Jr., and G. H. Bickley, practicing architects, of this city.

The committee reserves the right to withhold any or all prizes should the drawings submitted be considered unworthy of award. After the judgment the drawings will be on exhibition at the rooms of the Philadelphia Real Estate Board, 1112 Girard street, for a period of one week.

Simplicity of design and economy of construction will be considered by the jury, but it should be noted that this competition is held primarily to discover new ideas in the designing of the better class of operation houses and originality of a practical kind is greatly desired. Something better than what is now done in such houses is necessary.

The drawings submitted shall bear no name or mark of identification, other than a simple cipher, and must be delivered (wrapped) to H. L. Duhring, Jr., chairman Exhibition Committee, or T-Square Club, on or before 5 o'clock, February 1st, 1915, and must contain an opaque sealed envelope marked with the cipher and containing the author's name and address.

Requirements.

A semi-detached house of 16 feet 4 inches, fronting on a 25-foot lot; location, north side of Boulevard, facing Hunting Park, west of Tenth street. This is one of a row of similar houses, all of which will set back 22 feet from the curb line. It is the front of the house that is the subject of competition. The story heights, in the clear, are: Basement, 7 feet; first floor, 8 feet 4 inches; second floor, 8 feet; third floor, approximately, 7 feet 9 inches.

The facade should be designed in reference to a simple garden treatment of well kept lawns.

Drawings: Elevation (scene from street), $\frac{3}{8}$ inch scale; plan (curb to inside of front wall), $\frac{1}{8}$ inch scale; section (curb to inside of front wall), $\frac{1}{8}$ inch scale.

Committee: C. C. Zantlinger, chairman Committee on Education; H. C. Duhring, Jr., chairman Committee on Exhibition.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., JANUARY 13, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1914

President. R. Clipston Sturgis, Boston
First Vice-President. . . Thomas R. Kimbal, Omaha, Neb.
Second Vice-President. . D. Knickerbacker Boyd, Phila.
Secretary. Burt L. Fenner, New York
Treasurer. J. L. Mauran
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1914

For One Year—Irrving K. Pond, Chicago; John M. Donaldson, Detroit; Edward A. Crane, Philadelphia.

For Two Years—*Burt L. Fenner, New York; C. Grant LaFarge, New York; H. Van Buren Magonigle, New York.

For Three Years—Walter Cook, New York; W. A. B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President . . . A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John Molitor
Vice-President John F. Harbeson
Secretary William C. Stanton
Treasurer Walter Mellor
Directors—Clarence C. Zantzinger, John Graham, Jr., Frederick A. Muhlenberg.

Editorial Comment

We had occasion to refer, some weeks ago in these pages, to the altogether charming volume on "Our Philadelphia," from the pen of Mrs. Pennell. We shall indulge this additional reference in order that we may have an excuse for quoting a few of the many quotable things Mrs. Pennell has written about Philadelphia's architecture, past and present. As the wife of Mr. Joseph Pennell, one of the most distinguished of living etchers and illustrators, and as the companion of Mr. Pennell during years of wandering into the treasure nooks of the art of the Old World, Mrs. Pennell is able to discuss in a measure ex cathedra questions bearing upon artistic values.

"Philadelphia has always been over-modest," writes Mrs. Pennell, "as to its personal appearance,—always on the surface, indifferent to flattery. Nobody would suspect it of ever having heard that to a philosopher like Voltaire it was, without his seeing it, one of the most beautiful cities in the universe; that a matter-of-fact traveler like William Cobbett thought it a fine city from the minute he knew it; that all the old travel-writers had a compliment for it, and all the new travelers as well, down to Li Hung Chang, who described it felicitously as 'one of the most smiling of cities'—the 'Place of a Million Smiles.' It was not because it had ceased to be beautiful that it assumed this indifference. As I recall it in my youth, it was beautiful with the beauty Philadelphians searched Europe for, while they were busy destroying it at home—the beauty, that life in England has helped me to appreciate as I never did before, for it has given me a standard I had not when I knew only Philadelphia.

* * *

"Judged by this standard, I found Philadelphia in its old parts more beautiful than I remembered it. In a street like Clinton, which has escaped the wholesale destruction, or in a block here and there in other streets less fortunate, I felt as I never had before the austere loveliness of their red brick and white marble and pleasant green shade. As never before I realized the eighteenth century perfection of the old State House and Carpenter's Hall. I know of no English building of the same date that has the dignity, the harmonious proportions, the restrained ornament of the State House,—none with so noble a background of stately rooms for those stately figures who were the makers of history in Philadelphia. And the old churches came as a new revelation. I questioned if I ever could have thought an English cathedral in its close lovelier than red brick St. Peter's in its walled graveyard on a spring day, with the green in its first freshness and the great wide-spreading trees throwing soft shadows over the grassy spaces and the gray crumbling gravestones. The pleasure it gave me

positively hurt when—after walking in the filth of Front street, where the old houses are going to rack and ruin * * * I came upon the little green garden of a graveyard round the Old Swede's Church, sweet and still and fragrant in the May sunshine, though the windows of a factory looked down upon it to one side, and out in front, on the railroad tracks, huge heavy freight cars rattled and rumbled and shrieked by, and beyond them rose the steam stacks of steamers from Antwerp and Liverpool that unload at its door the hordes of aliens who not only degrade, but 'impoverish' Philadelphia, as the Irish porter in my hotel said to me. And what pleasure, again, after the walk full of memories along Front and Second streets, with the familiar odors, and Philadelphia quiet here as of yore, to come upon Christ Church a part of the street like any French cathedral and not in its own little green, but with a greater architectural pretension to make up for it, and with a gravestone near the sanctuary to testify that John Penn, one at least of the Penn family, lies buried in Philadelphia.

* * *

"And what greater pleasure in the old meeting houses—why had I not known, in youth as in age, their tranquil loveliness? What repose there, down Arch street, in that small, simple, brick building, with its small, simple green, one bed of tulips at the door, shut off from the noise and confusion and dirt and double trolley lines of Arch street by the old high brick wall; and no less in that equally small and simple brick building in South Twelfth street, an old oasis, or resting place, in a new wilderness of sky-scrapers. With these churches and meeting houses standing, can Philadelphia deplore the ugliness of their town?

* * *

"And the old eighteenth century houses? Would I find them as beautiful? I asked myself. Would they survive as triumphantly the test of my traveled years and more observant eyes? How foolish the question, how unnecessary the doubt! More beautiful all of them, because my eyes were better trained to appreciate their architectural merit; more peaceful all of them, with the feeling of peace so intense I wondered whether it came of the Colonial architecture or of associations with it. Germantown may be built up beyond recognition, its lanes, many of them, turned into streets, for no reason the average man can see, but some of the big old estates are still green and untouched as if miles away, and the old houses are more guarded than ever from change. One by one I returned to them:—Stenton restored, but as yet so judiciously that Logan would to-day feel at home in its halls and rooms, on its stairway, outside by the dove-cote and the wistaria-covered walls,—at home in the garden full of tulips and daisies, and old familiar Philadelphia roses

and Johnny-jump-ups, enclosed by hedges, every care taken to plant in it afresh just the blossoms he loved. But what would he have said to the factories opposite? To the rows of little, two-story houses creeping nearer and nearer? And the Chew House could the veterans of the Revolution return to it, as the veterans of the Civil War return every year to Gettysburg, how well they would know their way in the garden, how well in the wide-pillared hall with the old portraits on the white wall, and in the rooms with their eighteenth century panelling and cornices and fireplaces, and in the broad hall upstairs could they follow the movements of the enemy that lost for them the Battle of Germantown? And Wyck—white, cloistered, vine-laden, with fragrant garden and shade-giving trees! And the Johnson House, and the Wistar House, and the Morris House. And how many other old houses beyond Germantown! Solitude, and Laurel Hill, and Arnold's Mansion in the Park, Bartram's at Gray's Ferry."

* * *

Of the newer ideals Mrs. Pennell writes: "For long after Colonial days Philadelphia kept to red brick and white facings in town, to gray stone and white porches in Germantown, often losing the old dignity and fine proportions, but preserving the unity, the harmony of Penn's original scheme, and the repose that is the inevitable result of unity. But there were many terrible breaks before and during my time—breaks that gave us the Public Buildings and Memorial Hall and many of the big banks and insurance offices down town, and a long list of regrettable mistakes;—breaks that burdened us with the brown stone period, fortunately never much in favor, and the Furness period, which I could wish had been less in favor, so much too lavish was its gift of undesirable originality, and the awful green stone period of which a church here and a big mansion there and substantial buildings out at the University, too substantial to be pulled down for many a day, rise, a solid reproach to us for straying from righteousness; breaks that coveted and won the admiration of Philadelphia for imitations of any and every style that wasn't American, especially if it was English, Philadelphia tremendously pleased with itself for the bits borrowed from the English universities and dumped down in its own University and out at Bryn Mawr, there as unmistakable aliens as our own Rhodes scholars are at Oxford."

* * *

"But from the moment Philadelphia began to look up its genealogy and respect it, the revival of Colonial was bound, sooner or later, to follow. It meant a change from which I could not escape, had I deliberately refused to see the many others. I was face to face with it at every step I took, in every direction I went—from the Navy Yard on League Island to the far end of North Broad street; from Germantown, the old gray stone here returned to its own again, to West Philadelphia; from the University, where the Law School Building looks grave and distinguished

and genuine in the midst of sham Judor and sham I hardly know what; and deplorable green stone, to the Racquet Club in town; from the tallest skyscraper to the smallest workman's dwelling—it was Colonial of one sort or another; sometimes with fine results, at others with Colonial red brick and white facings and Colonial gables and Colonial columns and Colonial porches so abused that, after passing certain Colonial abortions repeated by the dozens, the hundreds, the thousands, in rows upon rows of two-story houses, all alike to the very pattern of the awning and the curves of the rocking chair on the invariable porch, I had it in my heart to wish that Philadelphia had never heard the word Colonial. However, on the whole, more good has been done than harm. The original model is a fine one, it belongs to Philadelphia, and in reviving it the Philadelphia architect is working along legitimate lines."

* * *

"But even as I write this, I realize that it is not to the revival of Colonial that Philadelphia owes all its new beauty. Indeed the architecture that has done most for it in its new phase is that from which least would be expected by those who believe in appropriateness or utility as indispensable to architectural beauty. A town that has plenty of space to spread out indefinitely has no reason whatever to spread up in skyscrapers, and this is precisely what Philadelphia has done, and, moreover, looks all the better for having done. Its skyscrapers compose themselves with marvelous effectiveness as a centre to the town, though they threaten, by degrees, to become too scattered to preserve the present composition; they provide an astounding and ever-varying arrangement of towers and spires from neighboring corners and crossings; they give new interest as a background to some simple bit of old Philadelphia, as where Wanamaker's rises sheer and high above the little red brick meeting house in Twelfth street; they add to the charm of some ambitious bit of new Philadelphia, as where the little Girard Trust Building,—itself a happy return to standards that gave us Girard College and the Mint and Fairmount Water Work—stands low among the clustered towers, just as many a town in the Alps or Appenines lies low in the cup of the hills, and is the lovelier for it; they redeem from ugliness buildings of later periods, as where they give the scale in the most surprising fashion to the Union League; from far up or down the long, straight line of Broad street they complete the perspective as impressively as the Arc de Triomphe completes that other impressive perspective from the Garden of the Tuileries in Paris."

* * *

Contrasting bits of beauty here with the best the Old World has to offer, Mrs. Pennell writes:

"There were evenings in that last June I spent in Philadelphia when, the ugly houses bathed in golden light and the trees one long, golden green screen in front of them, I would not have exchanged Walnut or Spruce street

in West Philadelphia or many a lane in Germantown, for any famous road or boulevard the world over."

* * *

These are mere excerpts from Mrs. Pennell's very notable book. If I were an architect I wouldn't be without a copy of this Pennell volume if I had to borrow the money to buy one. I can recall no other book in my time that fixes with such absolute fidelity to detail the mood that stands for Philadelphia at Philadelphia's best. Get it, read it, try to grasp its splendid certainty of view, its traveled outlook, its large, clear, untroubled sense of artistic values—'twill make you a better Philadelphian will help you to realize why Philadelphia presents so much that is of interest to the foreign observer."

CLEANING TERRA COTTA.

In connection with the walls of a brick building it was desired to clean and brighten the terra cotta trimming, the bricks being of a deep tan color, while the terra cotta was of a light cream that had turned dark and was unsightly from many years' exposure. In answer to this question by a correspondent of the "Painters' Magazine," the latter furnishes the following: "The simplest way to accomplish this is to mix two pounds of powdered pumice and one pint of liquid ammonia with one gallon of soft soap, applying the mixture to the surface to be cleaned with a fibre wall brush, allowing it to remain about thirty minutes. Then rub briskly with a good scrubbing brush. When on trial it shows that the compound has done its work, clean it off with lukewarm water by using a large sponge and rinse, if possible, with a hose, otherwise with the sponge and a liberal supply of clear water. If after drying the terra cotta appears dull, it may be revived by rubbing it over with a cloth saturated with kerosene oil, which will give it somewhat of a 'sheen.'"

One way to escape the income tax is to quit advertising and do less business."

FASTER SYSTEM

**MAXIMUM AT MINIMUM
EFFICIENCY AT COST**

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

EVERYBODY WANTS TO USE ELECTRICITY

If Architects and Builders would keep this fact in mind, they would never design or erect a building of any description which was not wired and equipped for Electric Service. Electric Service means not merely light—it makes possible as well the use of all manner of labor-saving devices, whether the building be a cottage, mansion, office building or factory.



HOUSE PAINTERS CONVENE.

The Master House Painters and Decorators' Association of Pennsylvania Will Hold Their 27th Annual Convention at the Hotel Adelphia, January 12, 13 and 14.

The 27th annual convention of the Master House Painters and Decorators' Association of Pennsylvania will be held at the Hotel Adelphia, Philadelphia, on January 12th, 13th and 14th. The officers of the association are: President, Charles H. Fowler, of Philadelphia; Vice-President, H. W. McCartney, of Altoona; Secretary, Thomas Lane, of Pittsburgh; Treasurer, William D. Wolfinger, of Reading, and Directors, Francis F. Black, George Butler, Frank X. Kelly, George B. Heckel, Thos. J. Armstrong and William H. Hodgson, of Philadelphia; John Dewar, Louis B. Fitzel, A. C. Rapp, E. R. Chiley and Charles D. Wetach, of Pittsburgh; S. M. Griffith, of Altoona; John P. Gohl, of Harrisburg; G. L. Weitzel, of Wilkes-Barre, and Anthony Smith, of Williamsport.

Meetings will be held daily, 10 A. M. to 2 P. M.

Affiliated with the association as associate members are: Asam Bros., Philadelphia; the American Varnish Company, Chicago, Ill.; Berry Brothers, Detroit, Mich.; the Bigelow Varnish Company, Newark, N. J.; the Emil Colman Company, New York; the Carter White Lead Company, Chicago, Ill.; the Chicago Varnish Company, Chicago, Ill.; the Columbus Varnish Company, Columbus, Ohio; the F. W. DeVoe & C. I. Reynolds Company, New York; the Eagle Paint and Varnish Company, Pittsburgh; the Eagle White Lead Company, Cincinnati, Ohio; the Euston White Lead Company, St. Louis, Mo.; the Felton

Sibley Company, Philadelphia; the Flepible Compound Company, Philadelphia; the I. H. French Company, Philadelphia; Hammer Brothers White Lead Company, East St. Louis, Mo.; the Hanlon & Goodman Company, New York; Harrison Brothers Company, Philadelphia; the Heath & Mulligan Manufacturing Company, Chicago, Ill.; the Keystone Varnish Company, Brooklyn, N. Y.; W. W. Lawrence & Co., Pittsburgh, Pa.; John I. Lewis & Crothers Company, Philadelphia; the John Lucas Company, Philadelphia; the John W. Masurey & Son Company, New York; I. E. Mulford, New York; the McCloskey Varnish Company, Philadelphia; Mayer & Lowenstein, New York; the C. A. Michel Company, Pittsburgh, Pa.; the Moller & Schumann Company, Brooklyn, N. Y.; Benj. Moore & Co., Brooklyn; the National Lead and Oil Company,

Pittsburgh, Pa.; the Newark Varnish Works, Newark, N. J.; the New Jersey Zinc Company, New York; E. E. Nice, Philadelphia; the I. H. Nevin Company, Pittsburgh, Pa.; the Phoenix Paint and Varnish Company, Philadelphia; the Pittsburgh Plate Glass Company, Pittsburgh, Pa.; the Pittsburgh Paint Supply Company, Pittsburgh, Pa.; Pratt & Lambert, Inc., New York; the Reading Paint and Glass Company, Reading, Pa.; Renald Brothers, Philadelphia; James B. Sipe & Co., Pittsburgh, Pa.; the Standard Varnish Works, New York; Thompson & Co., Pittsburgh, Pa.; the Thompson Wood Finishing Company, Philadelphia; Waterall & Co., Philadelphia; George D. Wetherill & Co., Philadelphia; W. D. Wolf, Philadelphia; Samuel F. Woodhouse, Philadelphia, and the Yarnall Paint Company, Philadelphia.

DECORATION AND DIGNITY

The Development of an Abstract Idea in Interior Decoration

The last ten years or more have seen a remarkable advance in popular good taste in interior decoration, and it is not impossible to foresee an even further advance in another ten years.

It is interesting to speculate upon just what form this advance will take and the best material at hand lies in certain actual current achievements, rather than in any formulization of theory.

In the first place, in developing some popular conception of good taste, it was necessary to develop a perception of bad taste—a real belief and understanding of the vulgarity and stupidity of the "eighties." When this had been quite thoroughly accomplished, a renaissance of taste began, and, at the outset, took some forms which bid fair to be nearly as bad as those from which the "awakening" was a reaction.

Like any popular wave of appreciation or interest, the first dawn of a revived popular appreciation of good taste in interior decoration created a demand for books and magazine articles bearing on the subject, and as is also usual in such a case, the demand was plentifully met.

At first people were fairly well satisfied if they attained a negative success—if their homes, without being well decorated and furnished, were at least not flagrantly outrageous.

There have been, from the start, two ideas in interior decoration, the highly esthetic "simple life" kind, originated by Morris in England and embraced by all such (often excellent) movements as "Arts and Crafts," "Mission" and "Craftsman." The "Art Nouveau" was little more than a bad dream, and the European "Modernists" of to-day will probably not deflect the angle of the world's axis very materially. The second important idea in interior decoration is, of course, the "period" idea—the belief that Morris and the whole theory which he held

was "interesting if true" but never more than "interesting," and that no decoration could be good if it were not based on the decorative precedents of the historic styles.

Both ideas have so much to support them that it would hardly be either profitable or intelligent to attempt to determine if one is better than the other. It is the intention of this article to bring out certain thoughts in connection with "period" decoration, simply because such decoration is better adapted to the illustration of these thoughts.

It is an unfortunate fact that much of the writing on the subject of interior decoration has been too specific, and has assumed either too much or too little general good taste on the part of the public at large. It has assumed too much when it has been too vague, when its advice has been so broad as to have failed to help the unstudied amateur, and it has assumed too little when it has attempted to tell us where to place each chair and table. And often it has failed to tell us what kind of chairs and tables we should have selected.

If certain important premises were better set forth the details would take care of themselves, but an amateur in possession of nothing but the details is grievously in danger of making a mess of things.

He may study a history of furniture under the hopeful delusion that it will keep him in furnishing, and may acquire a good many facts without any feeling. He may know that "The Brothers Adam flourished from 1760 to 1812 and their work is characterized by extreme grace and delicacy of proportion"—but if he places an Adam sideboard in an Italian Renaissance dining room, he might better never have heard of the Brothers Adam.

The principal difference between artists—meaning decorators and architects—who

know their business, and amateurs who do not is that the latter think only of form and ignore feeling, and the former think of both. Very few people think of the impression which they wish a given interior to make, or if they do, they fail to understand the means of creating it. In good stage-craft, such as certain degree of dignity, because dignity carries with it a very distinct sense of repose and of good taste, and, in some cases, of inspiration.

It might be pertinent in this connection to develop some definite ideas about "dignity" as a quality in interior decoration. Above all it must not be confused with austerity or severity. An interior can be very "inviting," very livable in its appearance, yet at the same time, distinctly dignified.

Perhaps the greatest single detail which militates against dignity in most interiors, is the tendency to accumulate and display too great a mass of small objects, well termed "knick nacks," no one of which individually might be said to possess any character whatever, but all of which collectively, cluttering up every available piece of furniture, invariably destroy any sense of repose in a room.

Of course, the days of jig-saw photograph

frames and wax flowers are gone so completely that we seldom even recollect such decorative curiosities, but there are to-day a good many "objects" often in evidence, quite as useless and almost as outrageous.

Decorators realizing that it is far better taste, and productive of a far more effective result, to minimize the small "objects" in an interior—that one really fine porcelain or bronze is far better than a clutter of nondescript and valueless pieces. It is not necessary to load down every piece of furniture with such things—even if they were all rare and beautiful specimens—the single vase or bowl or bronze takes on an appearance of added value and beauty if it stands alone in the midst of broad spaces.

Decoration, like many other artistic accomplishments, succeeds through a nice sense for elimination as well as through a nice sense for selection, and it is the first which seems to be attaining the first essential in dignity in an interior.

The expression of such interiors has best been achieved in the work of John Russell Pope, Harrie T. Lindeberg and, above all, of Charles A. Platt.—C. M. Price, in "Arts and Decoration."

IMPROVEMENTS IN "STANDARD FORM OF AGREEMENT"

At the conference between representatives of the American Institute of Architects and a committee of the National Association held in Philadelphia on September 14, 15 and 16, a preliminary draft of amendments to the Agreement and General Conditions of Contract, promulgated by the American Institute, was prepared.

At the opening of this conference Mr. William B. King, attorney, of Washington, D. C., and a member of the National Association of Builders' Exchanges, made the following address:

"Since the promulgation by the American Institute of Architects of the Standard Documents for building contracts many complaints have been made by contractors that these documents do not form a satisfactory basis for building. Some architects have added their criticisms. Editorials in some of the technical papers have repeated them. The general criticisms may be summarized under two heads:

"(1) That the documents lack certainty; and

"(2) That by them the parties to the contract are placed upon an inequality.

"Since the very object of a written contract is certainty, it must be conceded that any effort to make these documents more certain will be advantageous in contracting. It is no less easy to secure the concurrence of everyone in the idea that parties to a contract should stand upon an equality, each having defined responsibilities and rights.

"The proposition to be submitted by the

National Association of Builders' Exchanges are all intended to be corrective of uncertainty and inequality in these documents. They are submitted with a challenge upon these points. Their proponents are willing to submit them to either of these tests and to allow them to stand or fall as it may be shown whether or not they conduce either to certainty or equality in a contract.

"The primary principles running through all the proposed changes are these:

"(1) That the rights and responsibilities of the contractor and owner must be defined as clearly and definitely as possible upon the signing of the contract;

"(2) That the determination of any questions which cannot be defined in advance shall ultimately rest with an impartial tribunal of arbitration.

"A working principle is added to these that the architect, responsible to the owner for the integrity and dispatch of the work, shall have the right to control the primary decision in matters of question and to require the work to proceed in accordance with his views, subject to the ultimate determination of the rights of the parties under the contract by arbitration. It is upon these three principles that the committee proceeds to submit for consideration the changes proposed by the National Association of Builders' Exchanges.

"These changes are based upon the standard documents rather than upon the older general form of contract. It is realized that the object of the standard documents is exact definition; that they contain very many ex-

tremely valuable provisions; that building will be greatly assisted if the general conditions of the contract may be settled upon a uniform basis in which all details likely to form the subject of difference are settled after complete consideration by intelligent representatives of the various parties in interest.

"The proposed changes in the direction of certainty and equity are just to all parties concerned in building contracts, namely, to the owner, the architect and the contractor.

"They are of advantage to the owner in two ways:

"(a) By fixing definitely in advance the exact responsibilities of the contractor before he bids, bidding can be reduced to an exact basis. It is impossible to do this where the specifications are uncertain. Each bidder must allow in bidding for the risk which any uncertainty requires. The ultimate result of certainty will therefore inevitably be economy to the owner.

"(b) The proposed changes also benefit the owner by removing in advance of the signing of the contract a possibility of interruption of the work in consequence of delays arising during its execution.

"The same changes will benefit the architect because they will relieve the architect from discretionary responsibilities wherever that is possible. He will therefore not be obliged to stand between the owner and the contractor in settlement of differences which may arise under uncertain contract terms, but will be able to point both parties definitely to the contract and specifications as defining their respective rights. He will also be relieved of the final decision of many delicate and difficult questions through the creation of an appellate tribunal. This will remove him from the anomalous position hitherto forced upon him, of being employed and paid by one party to a contract, subject to removal by that party, and yet made a final judge of the conflicting rights of both parties and expected to be impartial in spite of his primary obligations to the owner.

"Finally, these changes will benefit the contractor because certainty in contracting will tend to remove the gambling risks from building contracts and put them upon a safer basis. Although this will undoubtedly reduce occasional large profits, it will more than counter-balance this by making losses far less frequent."

As the result of the conference above mentioned, a further meeting was held in Philadelphia on the 19th to 22nd of September. At this meeting the Builders' Association was ably represented by Mr. King, who reports the following memoranda of points of special interest regarding the final result of the work of the committees:

"The Committee from the American Institute of Architects met the representatives of the National Association in a spirit of utmost fairness and throughout the conference gave the fullest consideration to everything submitted on behalf of the contractors.

"(1) Article 3 provides that detail drawings shall be 'consistent with the Contract

Documents,' 'true developments thereof and reasonably inferable therefrom.' This is a substitute for the older phrase 'true developments' and shows that additional safeguards will be required. Contractors have long complained that wholly new work was sometimes forced upon them under the guise of detail drawings. It is believed that the provision above quoted not only gives the architect sufficient scope to develop details inferable from the contract drawings, but also protects the contractor from being obliged to do work which could not be fairly deduced from them.

"(2) Provision has been made in Articles 33 and 41 to fix the responsibility of the owner for immediate payment on the architect's certificates. This will prevent the owner from holding up payments after the architect has issued his certificates.

"(3) The present standard form provides for arbitration in a limited number of instances. The form prepared by the Boston architects and contractors provides for general arbitration. Article 10 herewith permits special exception to be made in the specifications, but, in the absence of such exception, fixes a general rule of arbitration. If this is adopted, it is believed that experience will show the fairness of a general arbitration clause and that few exceptions will be made. The existence of the right to arbitrate will be an effectual guard against extreme positions by either party. It is thought that this article will make a very great improvement in building conditions, because it places owner and contractor on a perfectly fair and equitable basis.

"(4) The important articles relative to Delays, No. 36; to Damages, No. 38, and to the Contractor's Right to Stop the Work, under certain circumstances, No. 41, safeguards the contractor's rights much more fully than ever before.

"(5) In various other places an effort has been successfully made to define exactly the rights and responsibilities of both parties. Every step toward increased certainty will greatly aid the contracting business and take away the very great risks which have heretofore made it precarious. It will also reduce the cost to the owner.

"(6) A special effort has been made to arrive at a just arrangement with sub-contractors. To this end Article 27 contains a short but comprehensive statement of the relations of contractor, sub-contractor and owner. The principal features are the sub-contractor's agreement to be bound by all the conditions of the principal contract and the contractor's agreement for immediate payment of the sub-contractor upon receipt of payments for the sub-contractor's work. It is hoped that a definite statement of their rights and responsibilities will prevent abuses of which sub-contractors have sometimes had cause of complaint. A draft is also submitted to a brief form of sub-contract and acceptance of sub-contractor's bid.

"(7) These articles are much clearer, sim-

pler and shorter. The earlier form of conditions contained 63 articles, expressed in 7,500

words, while this draft has but 45 articles and 4,500 words."

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**P. A. Hoffman, formerly associated with Evans, Almirall & Co., was recently appointed sales engineer for the W. G. Cornell Co., engineers and contractors for heating, ventilating and plumbing.

**The National Builders' Supply Association's annual convention will be held in Chicago, Ill., February 8-9, 1915. Headquarters at Hotel Sherman.

**The MacArthur Concrete Pile and Foundation Co., 11 Pine street, New York City, have appointed Waldo Brothers, 45 Battery-march street, Boston, Mass., as their sales agents for New England. This company is equipped to construct foundations for all sorts of structures where unfavorable soil conditions are encountered. They have already done a very large amount of this work throughout New England.

**Safety-first statistics show that one workman is killed in the United States every fifteen minutes and that one is injured every sixteen seconds.

**The National Hoisting Engine Company, of Harrison, N. J., has established an agency in Philadelphia at 429 South Fifty-sixth street, in charge of J. W. Spensley.

**A brochure issued by the National Terra Cotta Society illustrates and describes a number of schoolhouses of comparatively recent construction in which architectural terra cotta has been used. General views, floor plans and terra cotta details are reproduced.

**Manhattan Branch, Association of Master Plumbers of the City of New York, is planning for a ladies' night to be held at Terrace Garden, East Fifty-eighth street, near Third avenue, Thursday, January 21. A short entertainment followed by a dinner and dancing will be the program of the evening.

**The International Association of Master House Painters and Decorators of the United States and Canada will meet in annual convention in Washington, D. C., February 9 to 12, 1915. The headquarters will be at the Hotel Raleigh. A. H. McGhan, Corcoran Building, Washington, D. C., chairman of Convention Committee.

**A conference of the lumber industries has been called for February 24 and 25 in Chicago, under the leadership of the National Lumber Manufacturers' Association. The object of the meeting is to establish a permanent advertising bureau to acquaint the public with

the uses and advantages over other materials of all forest products.

**The Architectural League of New York held its annual Christmas smoked at 215 West Fifty-seventh street, Tuesday evening, December 29. The principal part of the evening's entertainment consisted of an original satire on architecture and art, in which a number of prominent architects participated.

**The National Brick Manufacturers' Association will hold its annual convention at Detroit, February 14 to 20. William B. Wrexford, of the Detroit Brick Manufacturers' Association, in co-operation with President Eben Rodgers, of Alton, Ill., and Theodore A. Randall, of Indianapolis, constitute the committee of arrangements. The association will also bring to Detroit the National Paving Brick Manufacturers' Association, the National Clay Machinery Association and the American Ceramic Society.

**The annual convention of the National Builders' Supply Association will be held in Chicago, Ill., February 8-9, 1915. Headquarters at Hotel Sherman.

**The Association of Master Plumbers of the Borough of Brooklyn will hold its annual entertainment and reception in Prospect Hall, Brooklyn, Tuesday evening, January 19, 1915.

**New York Chapter, American Society of Heating and Ventilating Engineers, regular meeting third Monday of each month, Engineering Societies' Building, 29 West Thirty-ninth street.

**The Architectural League of New York will hold its annual exhibition in the Fine Arts Building, 215 West Fifty-seventh street, February 7 to 27. The annual dinner of the League will be held Friday evening, February 5.

Regarded from the architectural point of view, the roof is the oldest and, in many ways, the most significant feature in the evolution of the house, without which, indeed, a structure can scarcely be called a house.—H. D. Eberlein.

Now that you've mentioned it, Harold, we are ourselves constrained to confess a certain foolish and illogical preference in this regard. The idea you suggest is, however, not without possibilities. Fancy spending a rainy afternoon in the closet or getting up at night to look up the tarpaulins!

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son,
11th and Ontario sts., Phila.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Chas. Warner Co., Land Title Bldg., Phila.
Knickerbocker Lime Co., 266 N. 24th st.

Canvas Roofing.

R. A. Humphrys' Sons,
1021-23 Callowhill st., Phila.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

F. E. Carpenter Co.,
868 Postal Bldg., New York City

Flag Poles (wood and steel).

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
228 Arch st., Phila., Pa.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

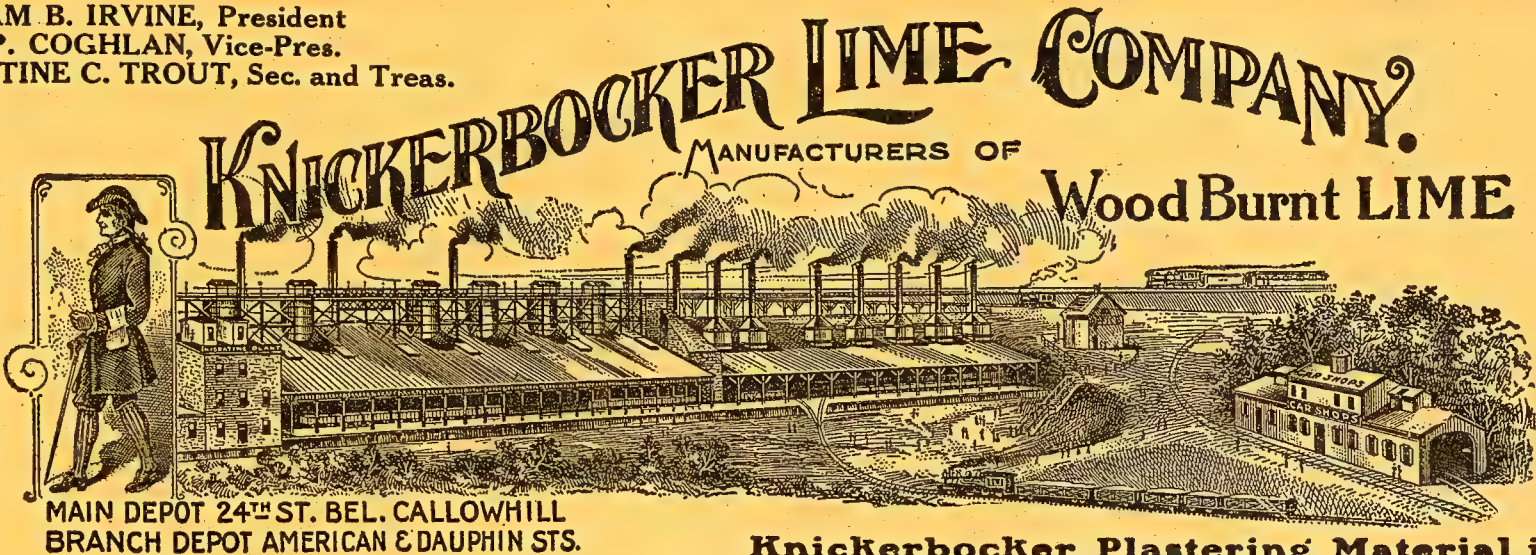
Rough Texture Brick in Golden, Gray and Red Groups

WILLIAM B. IRVINE, President
JOHN P. COGHLAN, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

Branch
Office

Telephone
Bell

Locust 200
and 201

Daily Building News

Reliable Advance Infor-
mation Covering New Work
in Philadelphia, Eastern
Pennsylvania, Southern New
Jersey and Delaware.

For Samples and Rates
address

Building News Pub. Co.

Perry Building, Philadelphia



MANUFACTURERS OF
Builders' and Ornamental
IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.



THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 3.

PHILADELPHIA, WEDNESDAY, JANUARY 20, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

DEXTER

Portland Cement



HIGHEST STANDARD ATTAINABLE

SAMUEL H. FRENCH & CO.

Sole Agents

Established 1844

York Avenue, Fourth and Callowhill Streets

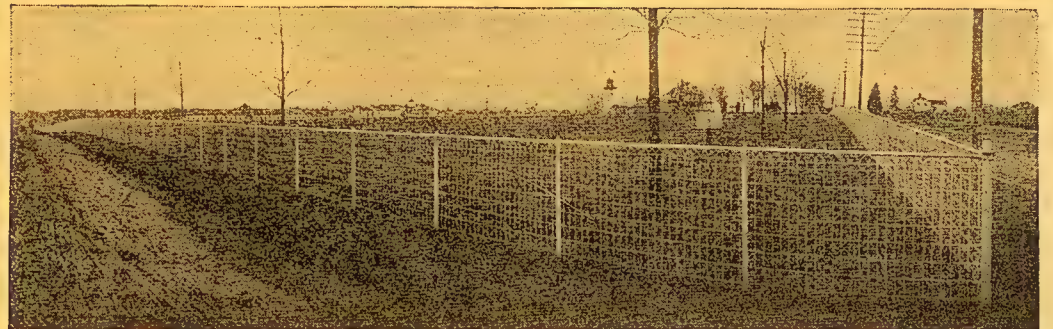
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

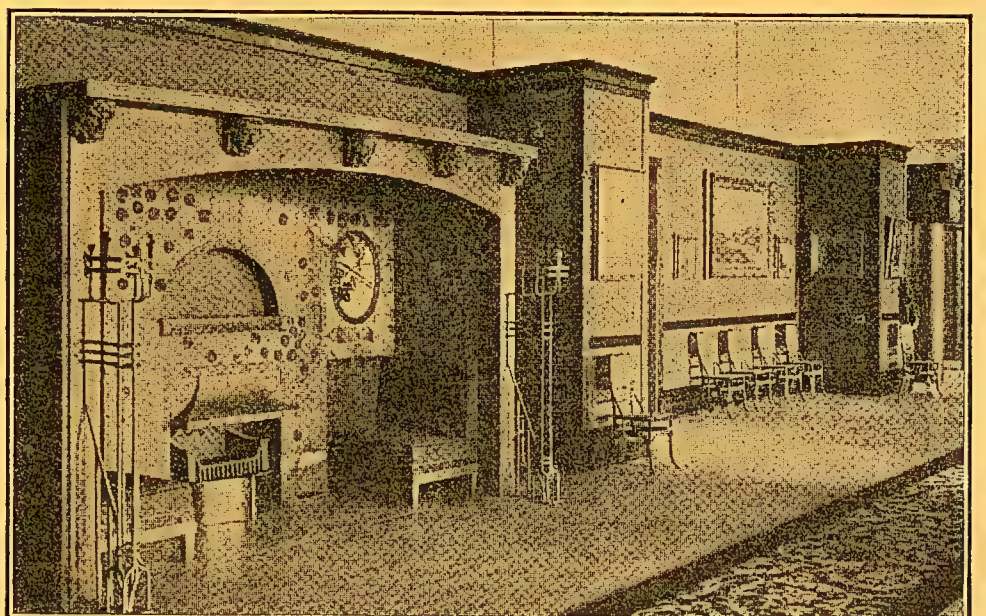
Correspondence Solicited.

Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City



COMPO BOARD

THE GREAT SUBSTITUTE FOR LATH AND PLASTER
Quick and Clean Partition Work.

The Original and Real Article. The only board, a repeater. Sample will
convince you.

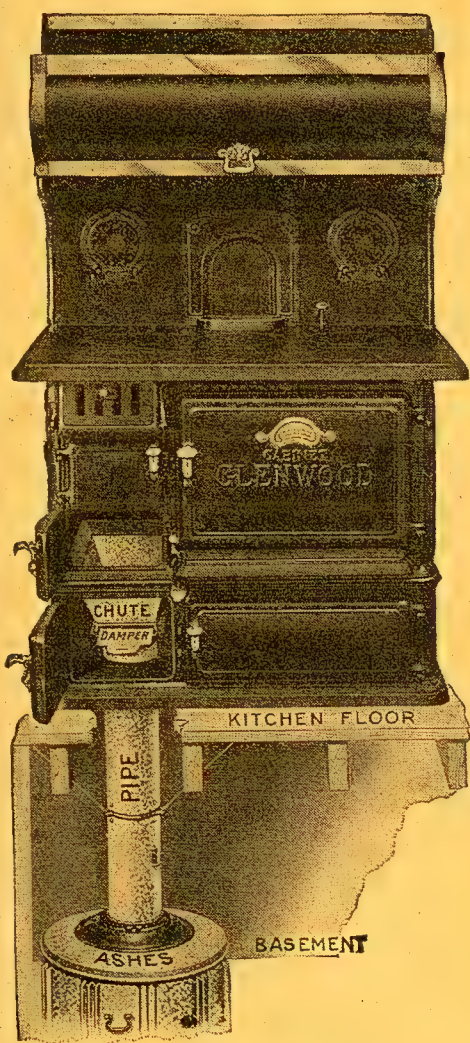
SEE OUR EXHIBIT AT THE BUILDERS' EXCHANGE

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia

No More Ashes To Lug



No clumsy pan to spill dust and dirt on the kitchen floor

The Glenwood Ash Chute

solves the problem. It is located just beneath the grate and connected by a sheet iron pipe straight down through the kitchen floor to ash barrel in cellar. No part is in sight. Not a particle of dust can escape. Just slide the damper once each day and drop the ashes directly into the ash barrel.

The Dust-Tight Cover

to barrel is another entirely new Glenwood Idea and is very ingenious. This is only one of the splendid improvements of the new plain

Cabinet Glenwood

the Range without ornamentation or fancy nickel, "The Mission Style" Glenwood. Every essential refined and improved upon. This Range can be had with the latest and most improved Elevated or End Gas Range attachments. It can be furnished with fire box at either right or left of oven as ordered. Our handsome booklet tells all about it.

The Cabinet Glenwood

Made by Weir Stove Company, Taunton, Mass.

Henry M. Miller, 46 North Second St., Philadelphia, Sales Agent.

FRENCH'S

"Quality First"

PEERLESS



MORTAR

COLORS

Brightest

Strongest

Unfading

Manufacturers also of the Famous

BUCK WHITE LEAD—A combination white paint
CROWN PAINTS—Ready mixed, semi-liquid, paste
COLORS—in oil, Japan, distemper, dry
VARNISHES—Elastic, durable, lustrous

WE SET AND SELL

TILES, MANTLES, FIREPLACE FIXTURES

SAMUEL H. FRENCH & CO.

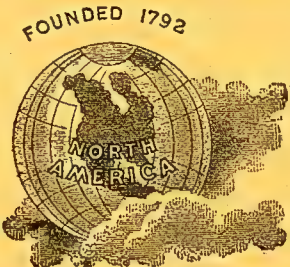
York Ave., Fourth and Callowhill Stp.

Established 1844

PHILADELPHIA

Insurance Company of North America

Oldest American Stock Company



232 WALNUT ST., PHILADELPHIA

Assets - - - \$18,613,414.47
Capital and Surplus, 8,875,680.39

FIRE	MARINE	RENT
INLAND	AUTOMOBILE	TOURIST
MOTORBOAT	LEASE	PARCEL POST

BUILDERS' RISKS SOLICITED

Agents in all the Principal cities and towns

EUGENE L. ELLISON, President
BENJAMIN RUSH, Vice President JOHN O. PLATT, 2d Vice President
T. HOUARD WRIGHT, Secretary SHELDON CATLIN, Asst. Secy.

DIRECTORS

Edward H. Coates	Nathan Trotter	Bayard Henry
John Story Jenks	Arthur E. Newbold	John W. Pepper
Edward Hopkinson	Charles Platt, Jr.	Eugene L. Ellison
George H. McFadden	Charles S. W. Packard	Edward S. Buckley, Jr.
William D. Winsor	J. Percy Keating	Rudolph Ellis
Henry W. Biddle	Lincoln Godfrey	William T. Elliott
C. Hartman Kuhn	G. Colesberry Purves	

GEORGE W. WATT,
Vice-President

HENRY M. GRATZ,
President

DAVIS G. VAUGHAN,
Ass't. Sec'y and Treas.

EDWARD J. THOMASON
Secretary and Treasurer

T. MAGILL PATTERSON
Assistant Secretary

THE GIRARD

Fire and Marine Insurance Company

N. E. Cor. 7th and Chestnut Sts.

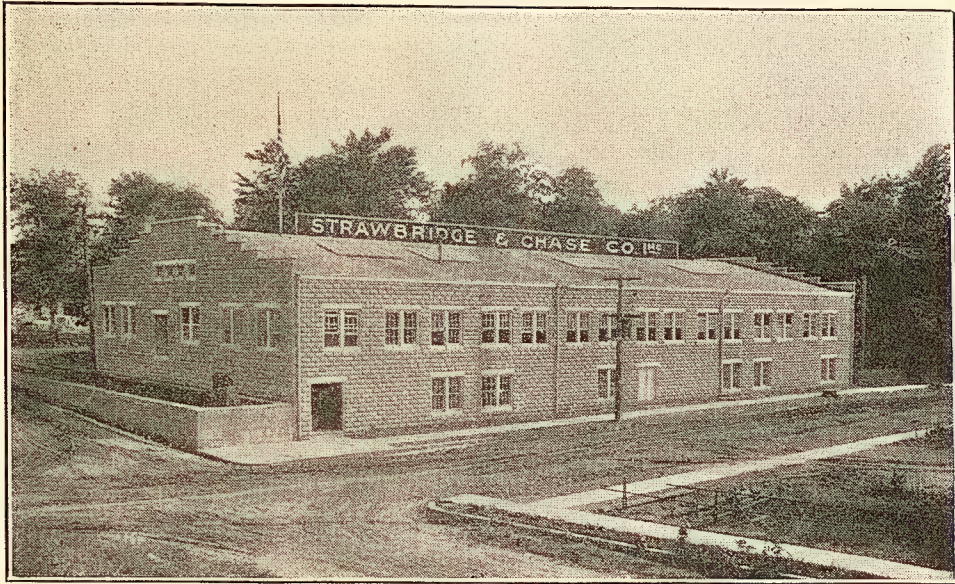
PHILADELPHIA

Assets, - - - \$2,553,904.70

DIRECTORS

Henry M. Gratz	Wm. R. Nicholson	William F. Rollo
Pemberton Hollingsworth	C. S. W. Packard	Edward B. Smith
John C. Lowry	Franklin M. Potts	Edward J. Thomason
	George W. Watt	

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.



Like Cæsar's wife, "F-S" Products
are above suspicion.

"Ef-Es-Co" is thoroughly reliable when you want rich, artistic effects on walls, ceilings, interior woodwork, metal surfaces, etc. Working like paint, wearing like enamel, it gives a dead flat surface—hard, smooth and washable. Pure white or various popular shades.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(109)

WARNER "ALCA" LIME

Trade Mark
(PATENTED)

A perfect and most economical cementitious material for all-around use in mortars, stuccos and in plasters, inside and outside.

Prepared with and without hair.

A reasonably quick hardening, highly plastic, hydrated lime, ready for immediate use for all purposes.

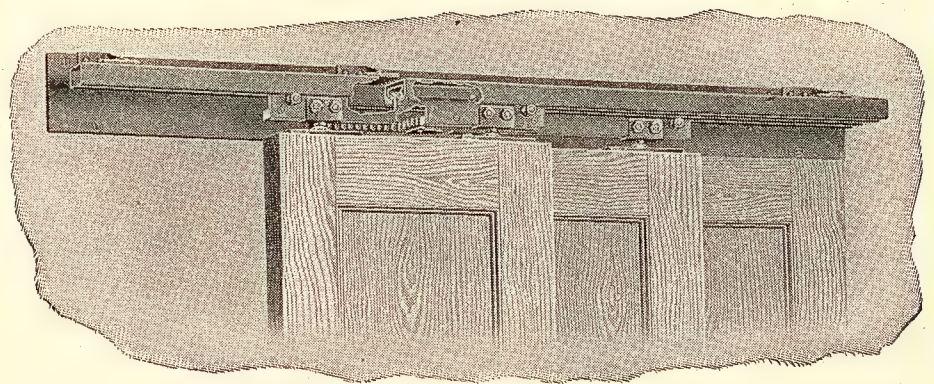
Contains the good features of Portland Cement, Gypsum Plaster and Cement.

Send for Trade Bulletin on Warner "Alca" Lime and for further information consult

Charles Warner Company
Philadelphia, Pa.

Wholesale Office, 810 Land Title Building.
Retail Yard 30th and Spruce Streets.

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C.F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

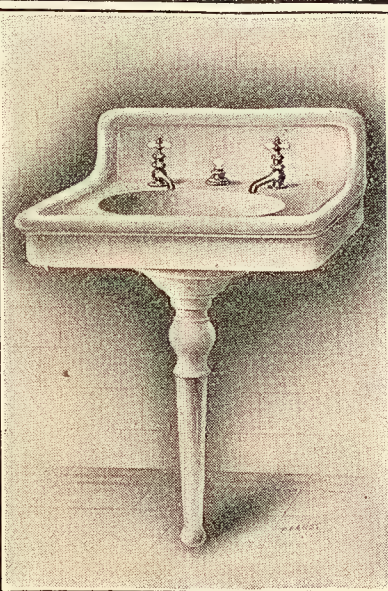


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Cata-
logue D.*

*Specify "CAPOCO" Ware for your
Bath Rooms on particular work*

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

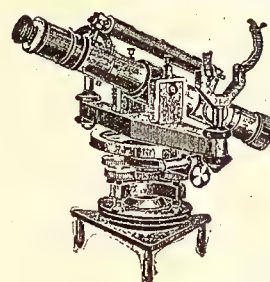
**USE SCAMMELL Lath
for Best Results**

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing

Land Title Bldg., Phila., Pa.

The only Expanded Metal Lath in Rolls
Patented February 17th, 1914



Convertible Wye Level

A very reliable instrument for **Architects and Contractors.**

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transits from \$15
to \$115.

Serviceable.

Durable. Will hold adjustments

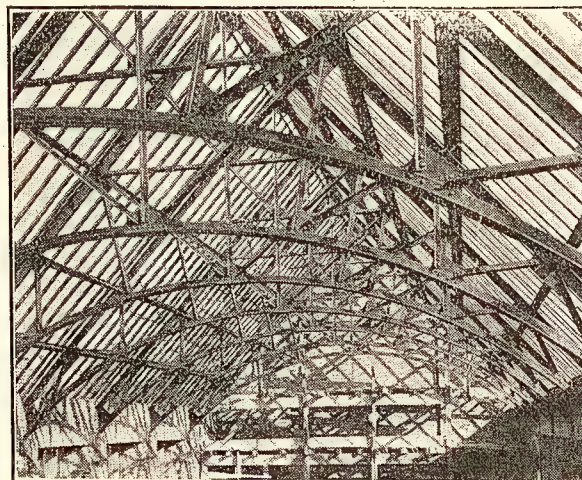


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



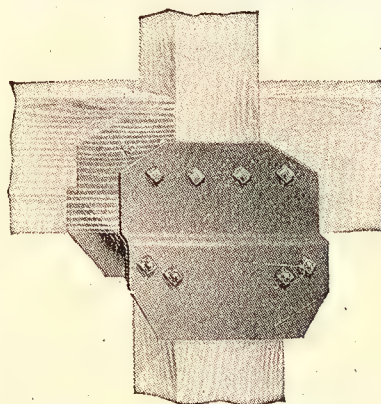
W.E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

BUILDERS' SPECIALTIES



DUPLEX STEEL POST CAPS
and **HANGERS** are Labeled and
Approved by the National Board
of Fire Underwriters.

Duplex Post Caps
Wall Plates
Wall Hangers
Cleanout Doors
Joist Anchors
Joggles

Duplex Post Bases
Joist Hangers
Wall Ties
Ash Drops
Stone Anchors
Cellar Doors

Concrete Inserts

All Carried in Stock for Immediate Shipment

Write for Catalog and Discounts

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-32

BAIRD-OSTERHOUT CONSTRUCTION CO.

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 3.

PHILADELPHIA, WEDNESDAY, JANUARY 20, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Loft Building, northeast corner Thirteenth and Appletree streets, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Louis A. Belmont, 726 Market street, Philadelphia. Reinforced concrete, 9 stories, 83x100 feet, slag roof, electric lighting, steam heating, elevators, sprinkler system. Architect taking bids, due January 26th. The following are figuring: Cramp & Co., Denckla Building; Wm. Steele & Sons, 1600 Arch street; H. C. Rea Co., 1027 Wood street; F. A. Havens & Co., 845 North Nineteenth street; J. Richard Jackson, Perry Building; Turner Concrete Steel Co., 1713 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Freund-Seidenbach Co., Bulletin Building; I. T. Shoemaker, 1309 Walnut street; E. J. Kreitzburg, 1345 Arch street; P. J. Hurley, 1233 Cherry street, Philadelphia.

Boiler House and Laundry, Foulkrod and Willow streets, Frankford. Architect, private plans. Owner, Quality Laundry, care of W. W. Stewart, on premises. Brick, 1 story, 95x33 feet and 15x36 feet, slag roof, electric light. Owner ready for bids.

Store and Loft Building, 210 South Thirteenth street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owners, J. K. Davison & Sons, 718 Sansom street, Philadelphia. Brick and concrete, 4 stories, 25x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Home, Fifty-eighth and Greenway avenue, Philadelphia. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owner, Presbyterian Home for Widows, on premises. Stone, 2½ stories, 40x125 feet, slate roof (heating and lighting reserved). Plans in progress.

Home (alt. and add.), Fifty-eighth and Greenway avenue, Philadelphia. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owner, Presbyterian Home for Widows, on premises. Stone, 2½ stories, 35x100 feet, slate roof (heating and lighting reserved). Architect has received bids.

Power Plan, Holmesburg, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Department of Public Health, City Hall, City of Philadel-

phia. Stone, fireproof, 1 story, 70x116 feet, slate roof, electric lighting, metal lath, waterproofing and dampproofing, enamel brick, safety treads, metal frames and sash. Lowest bid submitted by W. W. Anstine Co., 1214 Filbert street, Philadelphia.

Nurses' Home, Observation Building, Scarlet Fever Ward and Corridor, Second and Luzerne streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Department of Public Health, City Hall, Philadelphia. Brick and stone, fireproof, 1 and 1 and 4 stories, 40x120 feet, 60x64 feet and 60x270 feet, slate and slag roof, steam heating, electric lighting, composition floors, metal lath, waterproofing, dampproofing, metal frames and sash, safety treads. Lowest bids submitted by P. J. Hurley, 1233 Cherry street, Philadelphia, on the following: Observation building, \$74,585; nurses' home, \$53,928, wing, \$27,000.

Apartment House, Twenty-first and Venango streets, Philadelphia. Architects, Borzner & Wood, 721 Walnut street, Philadelphia. Owner, Horace K. Reed, Land Title Building, Philadelphia. Brick, 3 stories, slag roof, 61x220 feet, steam heating, electric lighting, tile floors. Architects have received bids.

Residence and Stores (2), Sixteenth and Ruscomb streets, Philadelphia, \$5,300. Architect, private plans. Owner, O. Shrohmman, 2945 North Fifth street, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hot water heating, electric lighting. Work about to be started.

Maternity Hospital (add.), Thirty-sixth and Spruce streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, University of Pennsylvania Hospital, on premises. Brick, stone, fireproof, 3 stories and basement, 43x106 feet, slag roof, tile floors, metal lath, waterproofing and dampproofing, safety treads, metal doors and trimmings, metal frames and sash, iron stairs and fences (heating and lighting reserved). Architects taking bids, due January 27th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Pomeroy Const. Co., 1609 Ranstead street; Wm. R. Dougherty, 1610 Sansom street; George & Borst, 277 South

Eleventh street; Jacob Myers & Sons, Wither- spoon Building; George A. Fuller Co., Morris Building, all of Philadelphia.

Stable (alt. and add. for Residence), West-view avenue, Germantown. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Mrs. C. C. Davison, on premises. Stone and brick, 1½ stories, 28x39 feet, slate roof, steam heating. Revised plans in progress.

Residences (63), A Lippincott and Allegheny avenue, \$250,000. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, F. Felman, 410 McKean street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hot water heating, electric lighting. Owner taking sub-bids.

Restaurant, 1030 Filbert street, Philadelphia. Architect, Charles W. Denny, Hale Building, Philadelphia. Owner, William Koch, 249 South Eleventh street, Philadelphia. Brick and concrete, 2 stories, 18x76 feet, slag roof, hot water heating, electric lighting. Plans in progress.

Hospital (alts.), Fifteenth street above Race street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Hahnemann Hospital, on premises. Consists of new fire tower and sun parlors. Plans completed. Architect ready for bids.

Factory (alt. and add.), Twenty-third and Cherry streets, Philadelphia. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owner, S. J. Creswell Iron Works, on premises. Brick, 2 and 3 stories, slate and slag roof (heating and lighting reserved). Revised plans in progress.

Dwelling s(4), Northeast Boulevard, Philadelphia, \$11,400. Architect, private plans. Owner, F. J. Blatz, 4923 North Lawrence street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hot water heating, electric lighting. Work about to start.

Dwellings (4), Sixty-fifth and Park avenue, Philadelphia, \$18,000. Architect, private plans. Owner, Charles H. Eckman, 2126 North Sixteenth street, Philadelphia. Brick, 3 stories, 16x52 feet, slate roof, hot water heating, electric lighting. Work about to start.

BLACK LINE PRINTS

DIRECT FROM TRACINGS.

Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

Made on
TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



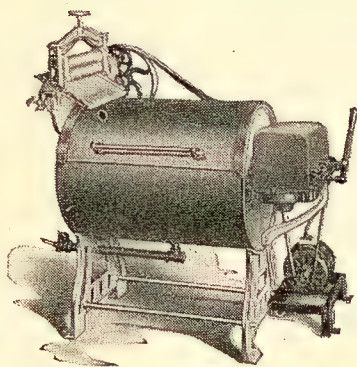
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

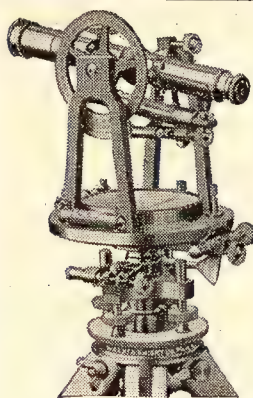
Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
114 N. 2nd St., Phila.



POINTS WORTH CONSIDERING

ACCURACY, DURABILITY and EFFICIENCY are three necessary requirements in the use of a Transit or a Level. Our new Model No. 35

"Sterling" Builders' Transit

fully meets these requirements, and at a price within your reach.

Write TO-DAY for Vest Pocket Manual of Adjustments, Circular containing "Points Worth Considering" and details of FREE TRIAL OFFER. Special terms of payment now available.

WARREN-KNIGHT COMPANY

Designers and Makers of "Sterling" Transits and Levels

136 N. TWELFTH STREET

PHILADELPHIA, U. S. A.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Warehouse, Thirty-first and Reed streets, Philadelphia, \$4,400. Architect, private plans. Owner, Abram Perez, Thirty-second and Reed streets, Philadelphia. Concrete, 3 stories, 34x60 feet, slag roof, electric lighting. Contract awarded to Charles Finkelstein, 2137 South Seventh street, Philadelphia.

Store and Office (alt.), Fifty-second and Ludlow streets, Philadelphia, \$2,300. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Wm. Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, 3 stories, interior alteration and addition, electric lighting. Contract awarded to Hines Bros., Heed Building, Philadelphia.

Children's Ward (alt. and add.), Broad and Wolf streets, Philadelphia, \$3,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Methodist Hospital, on premises. Stone and frame, 1 story, tile roof, metal lath, metal frames and sash, safety treads (steam heating and electric lighting reserved). Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Residences (7), Twenty-seventh and Huntingdon streets, Philadelphia, \$11,000. Architect, private plans. Owner, Walter Bean, 1741 North Eighth street, Philadelphia. Brick, 2 stories, 14x35 feet, slag roof, hot water heating, electric lighting. Contract awarded to J. S. Goldberger, 1640 Germantown avenue, Philadelphia.

Service Building, Thirty-fifth and Gray's Ferry road, Philadelphia. Architects, Day & Zimmermann, 611 Chestnut street, Philadelphia. Owners, Harrison Bros. Co., on premises. Brick and concrete, 1 story, metal frames and sash, waterproofing. Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Ice Manufacturing Plant (add.), Third and Norris streets, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Norris Ice Manufacturing and Cold Storage Co., on premises. Brick and concrete, 2 stories, consists of engine and condensor room, slag roof, electric lighting. Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

Store, 4074 Lancaster avenue, Philadelphia, \$2,500. Architect, private plans. Owners, Sheppard & Myers, Hanover, Pa. Brick, 1

story, 16x32 feet, slag roof, electric lighting. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

Store and Dwelling (alt. and add.), Twenty-first and Tioga streets, \$2,200. Architect, private plans. Owner, Marie Schumacker, 2040 Ontario street, Philadelphia. Brick, 1 story, 10x44 feet, slag roof. Contract awarded to John McKenna & Sons, 1032 Race street, Philadelphia.

Apartment House, Sydenham and Master streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, I. Newton Smith, care of architect. Brick, 4 stories, 73x112 feet, slag and slate roof, hot water heating, electric lighting, hardwood floors. Contract awarded to A. B. Bowen, 17 North Boston avenue, Atlantic City, N. J.

Residences (2), Medary and Camac streets, Philadelphia, \$5,600. Architect, private plans. Owner, M. Stephens, 5900 North Broad street, Philadelphia. Frame, 2 stories, 24x30 feet, slag roof, hot water heating, electric lighting. Contract awarded to F. W. Burkholder, 5818 North Ninth street, Philadelphia.

Milk House, 2007 North Mascher street, Philadelphia, \$3,000. Architect, private plans. Owner, Peter Hernig, 2013 North Mascher street, Philadelphia. Brick, 1 story, 14x26 feet, slag roof, electric lighting. Contract awarded to Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

Power Plant, Holmesburg, Philadelphia, \$56,537. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owner, Department of Public Health, City Hall, City of Philadelphia. Stone, fireproof, 1 story, 70x116 feet, slate roof, electric lighting, metal lath, waterproofing and dampproofing, enamel brick, safety treads, metal frames and sash. Contract awarded to W. W. Anstine Co., 1214 Filbert street, Philadelphia.

Picture Theatre (alt. and add.), 4817 North Broad street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Logan Amusement Co., on premises. Brick, concrete and terra cotta, fireproof, 1 story, 50x150 feet, slag roof, steam heating, electric lighting, metal lath. Contract awarded to Stewart Bros., 2526 North Orkney street, Philadelphia.

Alteration for Bank, Sixty-ninth and Mar-

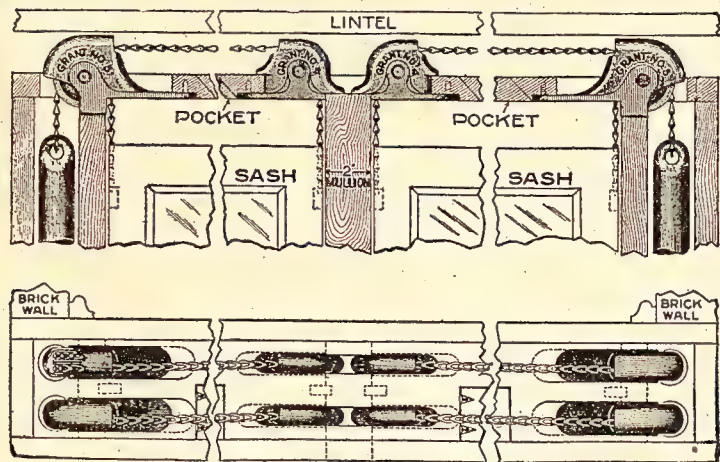
UNITAS TILING

A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.
Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

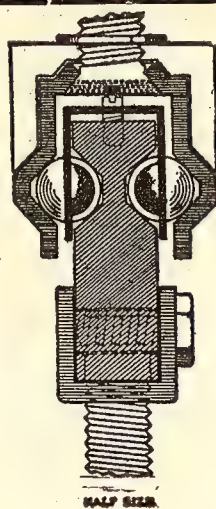
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

ket streets, Philadelphia. Architect, Lewis F. J. Moore, Lansdowne, Pa. Owners, Media Title and Trust Co., Media, Pa. Consists of interior alteration and addition, new partitions and fixtures. Contract awarded to Lansdowne Construction Co., Lansdowne, Pa.

Nurses' Home and Observation Building, Second and Luzerne streets, Philadelphia, \$128,513. Architect, Philip H. Johnson, Land

Title Building, Philadelphia. Owner, Department of Public Health, City Hall, Philadelphia. Brick and stone, fireproof, 1 and 1 and 4 stories, 40x120 feet, 60x64 feet, slate and slag roof, steam heating, electric lighting, composition floors, metal lath, waterproofing and dampproofing, metal frames and sash, safety treads. Contract awarded to P. J. Hurley, 1233 Cherry street, Philadelphia.

PENNSYLVANIA Construction News

Rectory, Kingston, Pa., \$16,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner Ignatius R. C. Church, Kingston, Pa. Brick and stucco, 3 stories, 44x54 feet, tile roof, steam or hot water heating, gas and electric lighting, tile work, hardwood floors, metal lath. Architect has received bids.

Residence, Cynwyd, Pa. Architect, private plans. Owner, J. P. Thompson, Real Estate Trust Building, Philadelphia. Stone and frame, 2½ stories, 34x35 feet, shingle roof, steam heating, electric lighting, oak floors. Builder, J. P. Thompson, Real Estate Trust Building, Philadelphia, taking sub-bids.

Cafe (alt. and add.), Reading, Pa. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Rauch & Aehrens, 611 Penn street, Reading, Pa. Brick, 4 stories, 30x150 feet, slag roof, steam heating, electric lighting, composition floors, metal lath. Plans in progress.

Apartment House, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Edward Fisher, 535 Elm street, Reading, Pa. Brick and frame, 3 stories, 20x70 feet, slag roof, steam heating, electric lighting. Plans in progress.

Garage (add.), Reading, Pa., \$2,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, E. E. Hinkle, Tenth and Windsor streets, Reading, Pa. Brick and concrete, 2 stories, 15x40 feet, tin roof, hot air heating, concrete floors. Architect taking bids.

Residence, Drexel Hill, Pa., \$7,000. Archi-

tect, C. H. Woolmington, 36 North Fifty-first street, Philadelphia. Owner, Dr. Hiram A. MacIntosh, 431 South Fiftieth street, Philadelphia. Stone and frame, 2½ stories, 40x41 feet, shingle roof, electric lighting, hardwood floors (heating reserved). Revised plans in progress.

Church and Rectory, Conshohocken, Pa. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, St. Matthew's R. C. Church, care of Rev. J. P. Parker, Conshohocken. Stone, 1 and 3 stories, 65x145 feet, 40x65 feet, slate roof, steam heating, electric lighting. Architect ready for bids in ten days.

Garage, Devon, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Mrs. G. G. Browning, Devon, Pa. Stone, 1 story, 30x35 feet, shingle roof, hot water heating, electric lighting. Architects have received bids.

Residence (add.), Bethayres, Pa. Architects, Martin & Kirkpatrick, 1001 Chestnut street, Philadelphia. Owner, Hollingshead Taylor, Bethayres, Pa. Stone, 2½ stories, 30x50 feet, slate roof, electric lighting. Plans in progress.

Residence, Elkins Park, Pa. Architects, Stackhouse & Street, Drexel Building, Philadelphia. Owner, S. W. Lowenstein, Oak Lane, Philadelphia. Hollow tile and plaster, 2½ stories, 30x60 feet, slate roof, hot water heating, electric lighting, oak floors, canvas roof. Architect taking revised bids, due January 22nd. The following are figuring: J. Sims Wilson, 1125 Brown street; J. B. Flounders, 1329 Arch street; E. J. Reiff & Co., 1131 Race

THE FAIRBANKS CO. PHILADELPHIA

VALVES AND SCALES

HARRY C. EISENBISE CO. Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

street; Specht & Sperry, Heed Building, Thos. C. Trafford, 1613 Sansom street, all of Philadelphia.

Residence, Stable and Garage, Bethayres, Pa., \$40,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Joseph Wharton Lippincott, Sixth and Locust streets, Philadelphia. Local stone, 2½ stories. Details not yet decided. Plans in progress.

Residences (2), Scranton, Pa. Architect, private plans. Owners, Nicholson Lumber Co., 1742 Dickson street, Scranton, Pa. Frame, 2 stories, 24x26 feet, tin roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Armory, Lebanon, Pa., \$25,000. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre, Pa. Owners, State of Pennsylvania State Armory Board, care of Benjamin Demming, Harrisburg, Pa. Brick, steel and stone, 1 story, steam heating, electric lighting. Plans about completed. Owners will take bids in a few days.

Automobile Factory, Scranton, Pa., \$50,000. Architect, Albert J. Ward, Republican Build-

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

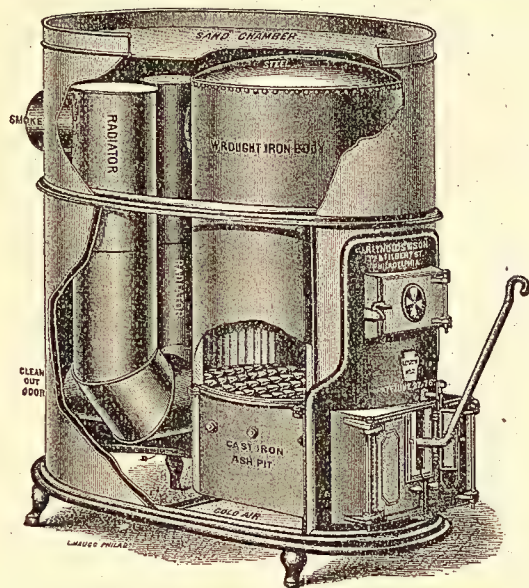
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

J. W. COLQUHOUN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company

SPEED AND SATISFACTION

1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

ing, Scranton, Pa. Owners, Motor Kart Co., care of G. C. Wolf, Hotel Hermyn, Scranton, Pa. Concrete, 2 stories, 60x300 feet, slag roof, steam heating, electric lighting, metal frames and sash, wood block and concrete floors, waterproofing. Architect ready for bids.

Store Building (alts.), Olyphant, Pa., \$4,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Daniel G. Jones, Olyphant, Pa. Consists of new front and interior alterations, electric lighting, composition floors. Plans in progress.

Brewery Depot and Stable and Garage, Duryea, Pa., \$20,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owners, Standard Brewing Co., Penn avenue and Walnut street, Scranton. Brick, 1 story, 29x70 feet, and 2 stories, 30x80 feet, slag and slate roofs, steam heating, electric lighting, concrete floors, metal lath, waterproofing and dampproofing. Architect has received bids.

Storehouse and Garage, Scranton, Pa., \$12,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Maloney Oil and Manufacturing Co., 141 Meridian street, Scranton, Pa. Tapestry brick, limestone and concrete, 2 stories, 35x65 feet, slag roof, steam heating, electric lighting, concrete floors, waterproofing, metal sash and frames. Architect taking bids, due January 20th. The following are figuring: Boland Bros., 427 Spruce street; Peter Stipp, 327 North Washington avenue; M. J. Ruddy, 421 Lackawanna avenue; Louis Caputo, 1039 South Main avenue, all of Scranton, Pa.

Church and Sunday School, Wilkes-Barre, Pa., \$100,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Westminster Presbyterian Church, Wilkes-Barre, Pa. Brick and terra cotta, 1 and 2 stories, 100x190 feet, slate roof, steam heating, electric lighting. Plans about completed. Architects will take bids in 2 weeks.

Church, Dickson City, Pa., \$40,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, St. Thomas' R. C. Church, Rev. H. J. Gerrity, Dickson City, Pa. Brick and terra cotta, 2 stories, 54x100 feet, tile roof, steam heating, electric lighting, composition floors, ornamental iron. Plans in progress.

School, Dickson City, Pa., \$100,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, School Board, Edward Jackson, President, Dickson City, Pa. Brick and steel, fireproof, 2 stories, 90x160 feet, slag roof, fan system of heating, electric lighting, composition floors, metal lath, iron fire escapes and stairs. Plans in progress.

Garage, Scranton, Pa., \$18,000. Architect,

J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, V. A. Semrell, 529 Linden street, Scranton, Pa. Brick, terra cotta and steel, 1 story, 60x150 feet, slag roof, steam heating, electric lighting, concrete floors. Plans in progress.

Office Building, Scranton, Pa., \$400,000. Architect not yet selected. Owners, Scranton Life Insurance Co., Connell Building, Scranton, Pa. Granite, brick, terra cotta and steel, fireproof, 8 stories, 43x140 feet and 43x89 feet. Owners are receiving competitive plans from local architects only, to be submitted February 1st.

Store Building (alt. and add.), Wilkes-Barre, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre, Pa. Owner, Derr Estate, Wilkes-Barre, Pa. Brick and terra cotta, 5 stories, 115x47 feet, slag roof, steam heating, electric lighting, tile work. Revised plans in progress. Architects will take bids in 2 weeks.

Residence, White Haven, Pa., \$8,000. Architect, Henry A. Maier, Wilkes-Barre, Pa. Owner, Elwell Stockdale, White Haven, Pa. Frame, 2 stories, 40x34 feet, shingle roof, steam heating, electric lighting, hardwood floors, tile work. Plans in progress.

High School, Kennett Square, Pa., \$30,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Kennett Square, Pa. Brick, 2 stories, 55x115 feet, slate roof. Plans completed and ready for bids.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

LIGHTING FIXTURES

In our show rooms you will find a complete line of **LIGHTING FIXTURES**

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.

PENNSYLVANIA

Contracts Awarded

Residence, Scranton, Pa., \$5,000. Architect, private plans. Owner, Fred W. Lee, 613 North Irving avenue, Scranton, Pa. Frame, 2 stories, 28x32 feet, shingle roof, hot air heating, gas and electric lighting. Contract awarded to Charles E. Lee, 825 Wheeler avenue, Scranton, Pa.

Twin Residence, Scranton, Pa. Architect, private plans. Owners, Emery A. & Benjamin H. Cornell, Scranton, Pa. Frame, 2 stories, 32x40 feet, tin roof, hot air heating, gas lighting. Contract awarded to Nicholson Lumber Co., 1742 Dickson street, Scranton, Pa.

Residence, Scranton, Pa., \$3,600. Architect, private plans. Owner, John J. Moran, 1926 Brick avenue, Scranton, Pa. Frame, 2 stories, 28x31 feet, slate roof, hot air heating, gas and electric lighting. Contract awarded to A. Kennedy, 1437 North Lincoln street, Scranton, Pa.

Office Building (add.), Scranton, Pa., \$9,000. Architect, private plans. Owners, D. L. & W. R. R. Co., Scranton, Pa. Brick, 1 story, 58x39 feet, slag roof, steam heating, electric lighting. Contract awarded to Edwin S. Williams, Coal Exchange Building, Scranton, Pa.

Residences and Stores (3), Scranton, Pa., \$10,000. Architect, private plans. Owner, James A. Saville, Scranton, Pa. Frame, 2 stories, 59x67 feet, slag roof, steam heating, electric lighting. Contract awarded to Taylor Duryea Lumber Co., Duryea, Pa.

Car Shoppe, Pen Argyl, Pa. Architects, pri-

vate plans. Owners, Lehigh and New England R. R. Co., South Bethlehem, Pa. Brick, concrete, hollow tile, stucco and steel, 1 and 2 stories, 164x264 feet, 100x41 feet, 50x41 feet. Consists of main locomotive repair shop, boiler house, storehouse, oil house, engine pits, offices, etc., cement tile, concrete and asbestos roofs, steel sash and doors, fan system of heating. Contract awarded to F. D. Hyde Co., 90 West street, New York City.

Contagious Hospital, Scranton, Pa. Architect, Albert Hartman, People's Bank Building, Scranton, Pa. Owner, City of Scranton, City Hall, Scranton, Pa. Frame, 1 story, 97x32 feet, 97x45 feet and 52x38 feet, shingle roofs, steam heating, electric lighting. Contract awarded to Stender Bros., Vine and President streets, Scranton, Pa.

Residence, Reading, Pa., \$4,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, Carl E. Moyer, Reading, Pa. Brick, 2½ stories, 30x32 feet, slate roof, gas and electric lighting (heating reserved). Contract awarded to Stanley M. Keever, Reading, Pa.

Bank Building, Lewisburg, Pa., \$40,000. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, Lewisburg Trust and Safe Deposit Co., Lewisburg, Pa. Marble and stone, 1 story, 40x80 feet, composition roof, steam heating, electric lighting, marble and tile work, banking fixtures. Contract awarded to Charles McCaul Co., 1713 Sansom street, Philadelphia.

NEW JERSEY

Construction News

School, Gloucester, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Gloucester, N. J. Brick, 2 stories and basement, 32x82 feet, slate roof, metal lath (heating and lighting reserved), metal ceiling. Owners taking bids, due January 22nd. The following are figuring: F. Roe Searing, Perry Building; D. A. Stewart Co., Gloucester, N. J.; Eagle Const. Co., Drexel Building; H. J. Wentzelberger, Phillipsburg, N. J.; W. A. Richman, Moorestown, N. J.; F. A. Havens Co., 845 North Nineteenth street; Eugene Tourison, 1001 Chestnut street; F. L. Hoover & Sons, 1023 Cherry street; Burd P. Evans Co., Thirteenth and Wallace streets; E. E. Hollenback, Fifteenth and Race streets; Berry-Goodwin Co., Drexel Building; Alex. Chambley, 243 South Tenth street, all of Philadelphia.

Church, Barrington, N. J. Architects, Chas. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, Presbyterian Church, Barrington, N. J. Stone and brick, 1 story, 45x90 feet, slate roof. Plans in progress.

Club House (add.) and Garage, Absecon, N. J. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Seaview Golf Club, C. H. Geist, President, Land Title Building, Philadelphia. Brick, 2 and 3 stories, will contain 40 bed rooms and garage to accommodate 40 machines, slate roofs, steam heating, electric lighting. Plans in progress.

Residence, Haddonfield, N. J. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Dr. Ernest A. Farrington, Haddonfield, N. J. Stone and frame, 2 stories, 30x50 feet, shingle roof, hot water heating,

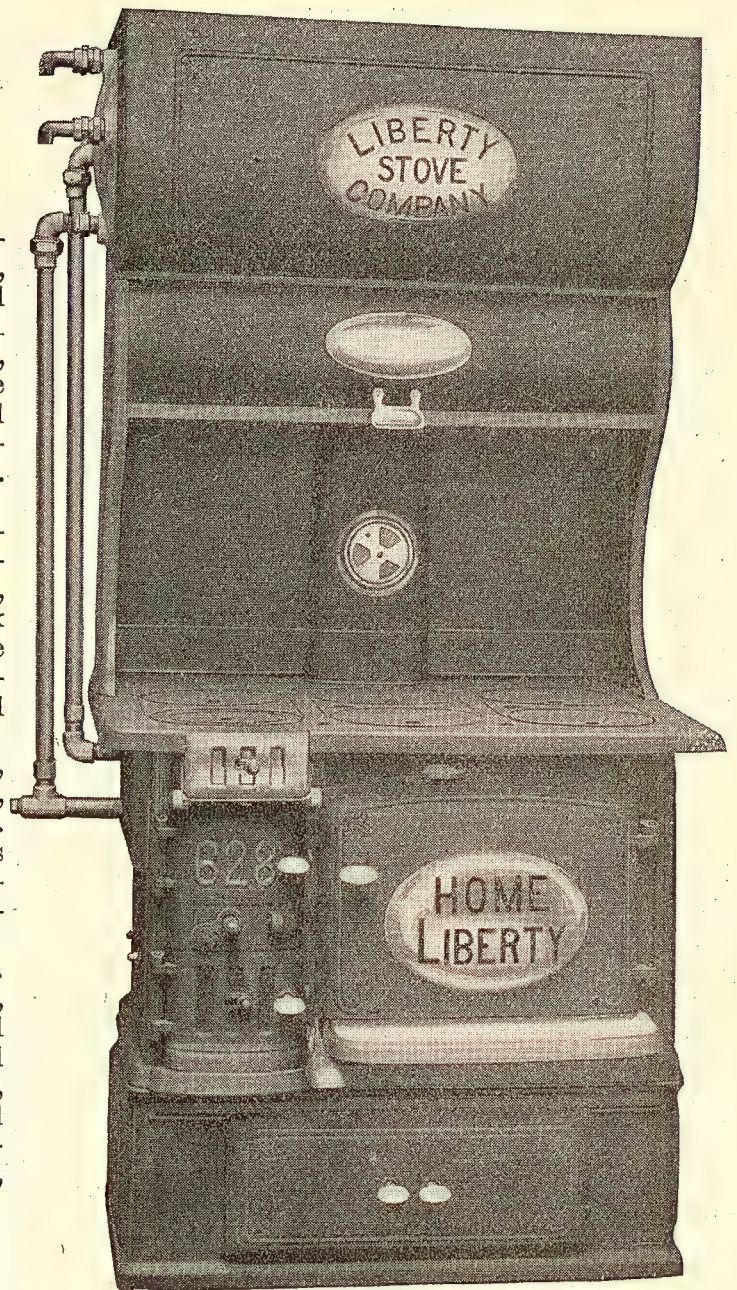
electric lighting, hardwood floors. Revised plans in progress.

School, Gloucester, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Gloucester, N. J. Brick, 2 stories and basement, 32x2 feet, slate roof, metal lath (heating and lighting reserved), metal ceiling. Owners taking bids, due January 22nd. In addition to those previously reported, the following are figuring: W. R. Titus, Paulsboro, N. J.; Thomas C. Trafford, 1613 Sansom street; Joseph Bird Co., 213 North Eleventh street; F. Lange, Audubon, N. J.; E. J. Kreitzburg, 1345 Arch street; H. H. Wehmeyer, 1004 West Lehigh avenue; George Hogg, 1634 Sansom street; Alex. Chambley, 243 South Tenth street; McCloskey-Bahls, Hale Building, all of Philadelphia; C. L. Stewart, Woodbyne, N. J.; Peterson Const. Co., Clayton, N. J.; A. Mitchell, Bordentown, N. J.; J. W. Draper, Camden, N. J.; W. Congezer, Haddon Heights, N. J., and A. L. Bowe, Gloucester, N. J.

Residence, 1611 Mt. Ephraim avenue, Camden, N. J. Architect, private plans. Owner, Peter Malinowski, 1202 Thurman street, Camden, N. J. Brick, 2 stories, 17x57 feet, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Residence, 1229 Jackson street, Camden, N. J. Architect, private plans. Owner, private plans. Owner, John Schulke, 1231 Jackson street, Camden, N. J. Brick, 2 stories, 16x42 feet, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Office Building, Camden, N. J., \$250,000. Architects, W. T. Karcher and Livingston



HOME and PALACE

Liberty Ranges

Hot Air Furnaces

represent the highest type of excellence in Ranges and Heaters for the modern home.

Send For Booklet

Liberty Stove Company

114 N. SECOND STREET

PHILADELPHIA

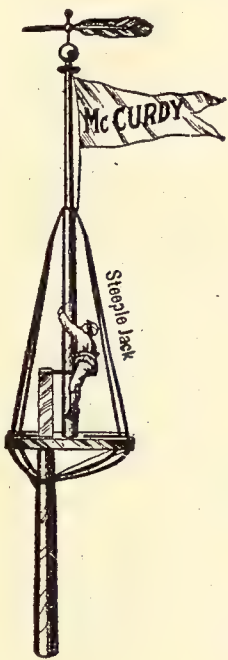
Smith, 34 South Sixteenth street, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, stone, terra cotta and steel, fireproof, 8 stories, 136x74 feet, slag and tile roof, cork and tile floors, metal lath, waterproofing, metal frames and sash, elevators (heating, ventilating and electric work separate bids. Architects taking bids, due January 28th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; J. E. & A. L. Pennock, Land Title Building; Cramp & Co., Denckla Building; George A. Fuller Co., Morris Building, all of Philadelphia.

"Windustite" Metal Weather Strips

Save Fuel. Keep out Dust.
Afford Protection against Drafts.
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes

Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A

New Jersey Contracts Awarded

Hall (alts.), Trenton, N. J., \$2,200. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, Knights of Columbus, Trenton, N. J. Consists of general interior alterations. Contract awarded to Charles J. Smith, 45 Lincoln street, Trenton, N. J.

Store Front, Trenton, N. J., \$1,500. Architect, private plans. Owner, Harry Aronson, 190 South Broad street, Trenton, N. J. Brick, 1 story, 16x20 feet, slag and tin roof, electric lighting. Contract awarded to David Puchet, Trenton, N. J.

Store House, Trenton, N. J., \$2,500. Architect, private plans. Owner, S. W. Mather, American Mechanics' Building, Trenton, N. J. Brick, 1 story, 126x67 feet, slag roof, electric lighting, concrete floors. Contract awarded to S. W. Mather & Son, American Mechanics' Building, Trenton, N. J.

Factory (add.), 453 Kaighn avenue, Camden, N. J. Architect, private plans. Owner, E. J. Dougherty, on premises. Brick, 1 story, 18x20 feet, slag roof, electric lighting. Contract awarded to G. J. Ratcliffe, 1130 Haddon avenue, Camden, N. J.

CONTRACTS FOR CATHEDRAL PLANS.

Trustees of the Cathedral of St. John the Divine signed contracts with Cram & Ferguson, architects, of Boston, for construction plans and designs for the building of the nave of the cathedral. The entire cost, it was said, will be a little more than \$1,000,000.

The contracts signed do not include any exterior decoration or involve the building of the two large transept towers of the four towers to be placed at each corner of the nave proper. They simply call for the rough construction plans and sketches, so that builders may start work as soon as the trustees give the word. It was announced that no date for building operations could be given, as all the money necessary has not been obtained.

About \$200,000 is now ready for the nave, and it is estimated that this is large enough

to warrant the trustees to get construction plans ready. Only about \$200,000 can be used in building the nave in a year's time.

The nave of the cathedral will be 170 feet high and will extend within thirty feet of Amsterdam avenue. It will be about 240 feet long and constructed of Peekskill granite.

The contracts just given to Cram & Ferguson for designs for the building of the nave do not mean that the trustees have adopted the new plans as submitted by Mr. Cram last year. The trustees have not as yet adopted any exterior decoration design.

It isn't given to everybody to do the big things that advertise themselves like building interoceanic canals or endowing universities or conducting Billy Sunday revivals. Some of us have to do our own advertising and pay for it at so much per line.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 5, 1915.—Plans and specifications are now approaching completion for a central heating, lighting and power plant, to be erected in this city under the direction of this office. These plans and specifications will be ready for delivery on or after January 15. Bids may be submitted for the entire work or for any one of the following sections: Power plant building complete, with steel stacks; boilers; generating apparatus; pumping equipment; condensers; coal and ash handling apparatus; steam and water piping; switching gear; tunnels; sub-station apparatus, etc. Prospective bidders should immediately submit to this office applications for plans and specifications, stating the portions of the work upon which they desire to bid. If it appears that the applicant is in a position to bid on all of the work in any one of the sections of the project, or upon the entire work, the plans and specifications will be forwarded. No plans or specifications will be furnished sub-bidders or others not in a position to submit a bid on all of the work comprised in at least one section. The Department will be able to allow only about 15 days for the preparation of estimates. At the time plans and specifications are forwarded to bidders the date for the opening of bids will be stated, and this date will not be extended. O. Wendroth, Supervising Architect.

Special Sale

No. 450 Acorn
Cabinet Gas Ranges

about \$5 less than usual value

Price \$21.75

\$2.25 Down
\$2.00 a Month

5% off if bought for Cash.

Connected FREE on first floor or in basement along our mains.

At stores or from representatives.

**THE UNITED GAS
IMPROVEMENT CO.**

BELL PHONE KENSINGTON 5295

ESTABLISHED 1862

T. C. KREWSON

ROLLING LADDERS

Extension Ladders, Sectional Ladders, Swinging Stages, Jacks and Hods

801 AND 803 MASTER STREET, PHILADELPHIA

LADDERS

Successors to Philadelphia Ladder Mfg. Co., Formerly of 9th and Thompson Sts.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



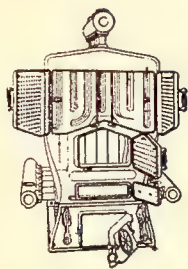
Does Your
Roof Leak?

Tin and Slag,
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.
2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

= MILLS =

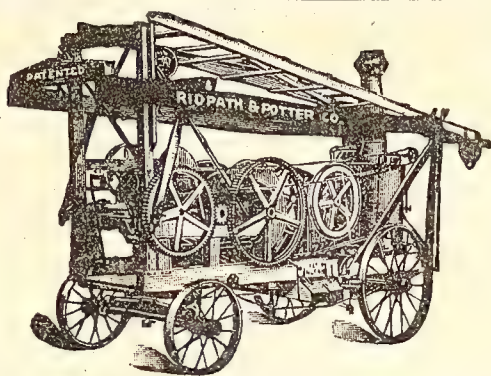


"Reputation"

Some of the most famous buildings in the country are equipped with **Mills Water Tube Boilers.**

They are always found where "GOOD QUALITIES" count.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



**We Drill Wells and Get Water
Test Borings and Soundings**

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

**MARYLAND
Construction News**

Church (alt. and add.), Frederick, Md. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Evangelical Reformed Church, Frederick, Md. Brick, 2 stories, 40x40 feet, slate roof, steam heating, electric lighting, composition floors, metal lath. Plans in progress.

Residences (69,, McElderry, Jefferson and Decker streets, \$125,000. Architect, private plans. Owner, E. J. Gallagher Realty Co., Munsey Building, Baltimore. Brick, 2 stories, 13x44 feet each, tin roofs, steam heating, electric lighting. Owner is sub-letting all contracts.

Coal Handling Pier, Port Covington, \$500,000. Engineers, owners. Owners, Western Maryland Railway Co., Hillen Station, Baltimore, Md. Reinforced concrete and steel, 68x628 feet, elevators, coal handling apparatus. Plans in progress.

Residence (alt. and add.), Govanstown, Md., \$8,000. Architect, J. E. Lafferty, 11 East Pleasant street, Baltimore, Md. Owner, A. S. Anderson, Govanstown, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Office Building, Liberty and Lexington sts. Baltimore, Md., \$80,000. Engineers, Company. Owners, Consolidated Gas, Electric Light and Power Co., on premises. Brick and steel, fireproof, 8 or 9 stories, 89x155 feet, slag and copper roof, hot water heating, electric lighting, tile and marble work. Plans in progress.

Church, Milton avenue and Jefferson street, Baltimore, Md., \$15,000. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owner, Exeter M. E. Church, Baltimore, Md. Brick and stone, 1 and 2 stories, slate roof, hot water heating, electric lighting. Plans completed. Architect ready for bids.

Residence, Edmondson avenue and Nottingham road, Baltimore. Architect, J. F. Gerwig, Equitable Building, Baltimore. Owner, George O. Ruppel, care of architect. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors. Architect is sub-letting all contracts.

Apartments and Store (alt. and add.), 4, 6 and 8 West Twenty-fourth street, Baltimore, \$9,000. Architect, W. O. Sparklin, 502 Law Building, Baltimore. Owners, Co-operative Purchasing Committee, Garrett Building, Baltimore. Brick, 3 stories, 42x90 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence, Glyndon, Md., \$5,000. Architect, William F. Stone, Glyndon, Md. Owner, C. H. Stone, Glyndon, Md. Frame, 2½ stories, 26x38 feet, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in a few days.

Residence, Wardour, Md., \$10,000. Architect, Bayard Turnbull, 324 North Charles street, Baltimore, Md. Owner, Walter B. Nor-

ris, Annapolis, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting, hardwood floors, tile work. Architect taking bids. The following are figuring: James J. Stehle, E. E. Parkinson, Philip E. Hervieux, Boan Bros., all of Annapolis, Md.

Church, Garrison avenue, Baltimore, Md., \$25,000. Architects, Owens & Sisco, Continental Building, Baltimore. Owner, Starr M. E. Church, Baltimore, Md. Stone, 1 story, slate roof, steam heating, electric lighting. Architects taking bids, due January 29th. The following are figuring: C. C. Watts, 113 Hamilton street; A. Knell, Jr., 217 St. Paul street; E. G. Turner, 15 East Fayette street; B. F. Bennett Building Co., 123 South Howard street; Consolidated Engineering Co., Calvert Building; Wise Granite Co., Richmond, Va.

Store Building (alt. and add.), 405 North Charles street, Baltimore. Architect, Theodore W. Pietsch, American Building, Baltimore. Owners, Bowen & King, 117 North Liberty street, Baltimore. Copper front, hot water heating, electric lighting. Plans in progress.

Church, Pimlico road, Baltimore, \$10,000. Architects, Haskell & Barnes, 301 North Charles street, Baltimore. Owner, M. E. Church Extension Society, Baltimore, Md. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Residences (165), Poplar Grove street, between Riggs and Peterson streets, \$575,000. Architect, private plans. Owners, Globe Realty Co., 32 South street, Baltimore. Brick, 2 stories, 16x52 feet, slag roof, steam heating, electric and gas lighting. Owners will sub-let all contracts.

Residences (11), Smallwood street, between Clifton and Windsor avenue, \$33,000. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, S. F. Harwood, care of architect. Brick, 2 stories, slag roof, steam heating, gas and electric lighting. Plans completed.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

Learn to advertise. If you feel unequal to the task of preparing the kind of copy you ought to have, let us prepare it for you. Advertising is our business. We are always glad to help men who are honest enough to concede that they do not know it all. And the service won't cost you a penny if you contemplate joining the army of "Guide" advertisers.

MARYLAND

Contracts Awarded

Residence, Roland Park, Md. Architect, Bayard Turnbull, 324 North Charles street, Baltimore. Owner, Dr. Joseph C. Bloodgood, 904 North Charles street, Baltimore. Brick and stucco, 2½ stories, tile roof, steam heating, electric lighting, hardwood floors, tile work. Contract awarded to Ray E. Chambers, Thirty-sixth and Roland avenue, Baltimore, Md.

Factory (add.), Wicomico and Ostend sts., Baltimore. Architect, private plans. Owners, Baltimore Tube Co., on premises. Brick, 1 story, 12x35 feet, tin roof, electric lighting, concrete floors. Contract awarded to H. H.

Maclellan, 15 East Fayette street, Baltimore, Md.

Post Office (alts.), Baltimore, Md. Architect, O. Weneroth, Treasury Department, Washington, D. C. Consists of interior changes, electric lighting, concrete floors. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore, Md.

Bank (alt. and add.), Broadway and Eastern avenue, Baltimore. Architect, private plans. Owners, Second National Bank, on premises. Copper work, steam heating, electric lighting, tile floors. Contract awarded to John Hiltz & Son, 3 Clay street, Baltimore.

Miscellaneous Construction News

Almshouse, Bridgeport, Conn. Architects, Skinner & Walker, Bridgeport, Conn. Owner, City of Bridgeport, Conn. Brick, stone, fireproof, 1, 2 and 3 stories. Owners taking bids, due February 1st. J. E. & A. L. Pennock, Land Title Building, and James H. Wells, Heed Building, both of Philadelphia, are figuring.

Normal School, Fairmount, W. Va., \$100,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, West Virginia State Normal School, Fairmount, W. Va. Brick, stone and terra cotta, fireproof, 2 stories, 200x68 feet, slag roof, electric lighting, blown air and direct steam heating. Architect ready for bids in about one week.

Theatre and Dance Hall, West Chester, Pa., \$25,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner's name withheld. Brick, steel and hollow tile, 2 stories, 50x80 feet, slag roof, steam heating, electric lighting, hardwood floors, metal lath, waterproofing, ornamental iron stairs. Plans completed. Architect will take bids in a few days.

School, Chestertown, Md., \$15,000. Architect, W. E. Hance, 204 West Twentfourth street, Wilmington, Del. Owners, Board of Education, Jefferson Smyth, President, Chestertown, Md. Brick, 2 stories, slate roof, electric lighting, slate blackboards. Plans in progress.

Garage (alt. and add.), Wilmington, Del., \$5,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owner's name withheld. Architect taking bids, due January 27th. The following are figuring: George F. Pawling & Co., Broad and Vine streets, Philadelphia, and Charles J. Dougherty, 1809 Lincoln street; Charles H. Tindall & Sons, 614 Tatnall street; Egbert Nutter, 6 West Thirtieth street; W. J. Thompson, 2416 Madison street.

Apartments (alt. and add.), Wilmington, Del., \$6,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owner's name withheld. Brick, 3 stories, 28x120 feet, slag roof, steam heating, electric lighting, composition floors, metal lath. Plans in progress.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

O. Shrohmman (O), 2924 North Fifth street. Cost, \$5,300. Two stores and dwellings, stone, 2 stories, 16x32 feet, Sixteenth and Ruscomb streets.

Mrs. Stephens (O), 5900 North Broad street. F. W. Burkholder (C), 5918 North Ninth street. Cost, \$5,600. Two dwellings, brick, 2 stories, 24x30 feet, Medary and Camac streets.

Frank Kawlski (O), 1527 Germantown avenue. E. A. Kelly (C), 845 East Cheltenham avenue. Cost, \$1,800. Brick, 3 stories, 15x55 feet, 1524 Cadwalader street.

Henry W. Bauer (O), 141 West Loudon street. Cost, \$62,100. Seventeen dwellings, stone, 2 stories, 16x56 feet, Seymour and Morris streets.

Ed. L. Rothschilds (O), 1823 Diamond street. Lam Building Co. (C), 1001 Wood street. Cost, \$45,000. Synagogue, brick, 2 stories, 53x71 feet, Fifty-eighth and Walnut streets.

Walter Bean (O), 1741 North Eighth street. J. S. Goldberger (C), 1640 Germantown avenue. Cost, \$11,600. Seven stores and dwellings, brick, 2 stories, 14x35 feet, Twenty-seventh and Huntingdon streets.

Harry R. Moyer (O), 2029 East Wishart street. Cost, \$5,000. Two dwellings, brick, 2 stories, 15x38 feet, 110 East Allegheny avenue.

V. Izzo (O), 1320 Ellsworth street. Michael D'Amico (C), 715 South Ninth street. Cost, \$1,200. Stable, brick, 2 stories, 51x79 feet, 636 Federal street.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

You can't hire loyalty; you have got to deserve it.—Ex.

Alterations and Additions

Max Stein (O), 1752 North Sixth street. A. Arzhewin (C), 600 West Lehigh avenue. Cost, \$600. Dwelling, 1752 North Sixth street.

M. Rittenberg (O), 1111 North Fortieth street. G. Gickman (C), 850 North Eighth street. Cost, \$2,800. Store, 425 Monroe street.

J. P. Wilson (O), Ruscomb and York streets. F. W. Burkholder (C), 5918 North Ninth street. Cost, \$425. Store and dwelling, 5903 North Thirteenth street.

J. Wolf (O), 2647 North Thirtieth street. M. Yellin (C), 712 North Franklin street. Cost, \$1,500. Dwelling and store, 2122 North Sixteenth street.

H. Void (O), 6923 Market street. J. A. Fitzgerald & Sons (C), 1623 Snyder avenue. Cost, \$875. Dwelling, 2468 Glenwood avenue.

Brook Bros. (O), 6009 Market street. N. Litman (C), 2332 South Tenth street. Cost, \$3,500. Store and dwelling, brick, 2 stories, 12x20 feet, 5928 Market street.

North Broad Street Realty Co. (O), 1400 Vine street. H. P. Stilley (C), 2340 Nicholas street. Cost, \$360. Salesroom, Broad and Wood streets.

Marie Schumacker (O), 2040 Ontario street. J. McKenna & Sons (C), 1032 Race street. Cost, \$2,200. Store and Dwelling, brick, 1 story, 6x44 feet, Twenty-first and Tioga streets.

O. Koehler (O), 5150 Cedar avenue. Basch Co. (C), 1426 South Front street. Cost, \$500. Store and dwelling, 33 South Fifty-second street.

Kerr Huftle Coal Co. (O), 2925 North Broad street. Cost, \$1,000. Coal pocket, Wood, Broad and Glenwood avenue.

Sheppard & Myers (O), Hanover, Pa. Mitchell Bros. (C), 2125 Race street. Cost, \$2,500. Store, 1 story, brick, 16x32 feet, 4074 Lancaster avenue.

Franklin Bindery (O), Juniper and Cherry streets. H. C. Dahl (C), 231 South Eighth street. Cost, \$12,000. Printing house, American and Locust streets.

A. DeLando (O), 733 South Tenth street. J. Palaia (C), 712 Fitzwater street. Cost, \$750. Dwelling and store, 733 South Tenth street.

H. Schwenk (O), Pennsylvania Building. M. J. Banamy (C), 3042 York street. Cost, \$500. Store and dwelling, 2349 North Twentyninth street.

Acme Tea Co. (O), Fourth and Willow streets. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$2,400. Store, Oak Lane, Philadelphia.

S. Krekstein (O), 1229 Filbert street. J. N. Gill Co. (C), Heed Building. Cost, \$7,500. Saloon, 1229 Filbert street.

Patterson Estate (O), 3348 North Fifteenth street. J. N. Gill Co. (C), Heed Building. Cost, \$11,500. Warehouse, 3348 North Fifteenth street.

J. J. Dobson (O), 28 North Front street. H. R. Rust (C), 724 Ludlow street. Cost, \$500. Stable, alteration and addition, 79 North Second street.

James McClees (O), 338 South Eighteenth street. T. C. Sloan (C), 51 North Fortieth street. Cost, \$2,000. Picture gallery, 1207 Walnut street.

William Freihofer (O), Twentieth and Indiana avenue. Hines Bros. (C), Heed Building. Cost, \$2,300. Store and office building, Fifty-second and Ludlow streets.

A. Leibovitz (O), 1717 North Fifty-second street. S. Rubin (C), 5276 Parkside avenue. Cost, \$600. Store and dwelling, 1715 North Fifty-second street.

C. A. Nichols (O), Beech and Poplar streets. F. L. Hoover & Sons (C), 1023 Cherry street. Cost, \$918. Fire repairs, 921 North Delaware avenue.

Scottish Rites Lodge (O), 1414 Race street.

Wells Const. Co., Witherspoon Building. Cost, \$325. Interior alteration and repairs to hall, 1414 Race street.

A. M. Mahjanbhan (O), 126 South Sixtieth street. Cost, \$2,500. Dwelling and store, brick, 2 stories, 16x8 feet, 642 South Sixtieth street.

Harry Krowitz (O), 4429 Frankford avenue. S. Schultz (C), 3113 Montgomery avenue. Cost, \$1,100. Store and dwelling, 4431 Frankford avenue.

A. J. Caldwell (O), Morris Building. D. Henwood (C), 1509 Wood street. Cost, \$2,710. Store and dwelling, 2216 North Broad street.

N. Beard (O), 607 South Seventh street. Cost, \$900. Dwelling, brick, 3 stories, 13x16 feet, 705 Kater street.

H. Magen (O), 5303 Market street. H. Hankins Co. (C), 5305 Market street. Cost, \$900. Store and dwelling, 5303 Market street.

A. M. Miller (O), 314 Carpenter street. R. W. Neff (C), 6610 Germantown avenue. Cost, \$800. Garage, 16x22 feet, brick, 1 story, 314 Carpenter street.

Estate of G. B. Wilson (O), Pennsylvania Building. H. C. Dahl (C), 231 South Eighth street. Cost, \$1,000. Store, fire damages, 6 North Thirteenth street.

COMPLEX DUTIES OF ARCHITECTS.

In discussing the complex duties of the practice of architecture at the present day a writer in a recent issue of the "Engineering Record" offers the following pertinent comments:

"Before passing hasty judgment upon the architect of our times, think a moment of the evil days upon which he has fallen. In the mediaeval times he must perforce know only the technique of masonry—the rest was his art. If he were building a church, the fine stimulus of the Gothic was his inspiration, and his medium was craftsmanship in stone. To-day he must know masonry and concrete, structural steel, and sanitary plumbing, lighting and heating, electric wiring and acoustics. His predecessor did not have to plan for buying his stone from one source, his steel from another, and his woodwork from a third; he was not hounded by agents of patented devices, nor pestered by circulars of supplies offering him 'the usual architect's commission of — per cent.'"

"All these things the architect of to-day has to endure, besides being called a slavish copyist, if he turns to the best in antiquity, and a commonplace innovator if he does not. His chief hope is in suiting himself as best he may to new conditions, calling in technical advisers on the details which he cannot in the nature of things have time to master, even if he has the ability, standing the more firmly by the interests of his client as he confronts a regiment of sub-contractors, and remembering that he must be artist before being engineer or contractor."

Are you aware, Mr. Advertiser, that this paper circulates in 5,000 offices, reaches every architect of any prominence in the East and the Secretary of every architectural club and chapter in the country?

THE BUILDERS' GUIDE,
Perry Building, Philadelphia.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**The eighth annual convention of the Chicago Cement Show will be held at the Coliseum February 10-17.

**T. L. Waldie, who for many years has been one of the New York selling staff of the Kelley Island Lime and Transport Company, has begun his duties as traveling representative of the Palmer Lime and Cement Company, of 103 Park avenue, New York. His territory will be New England.

**The Georgia Pine Company, Baltimore, Md., has opened an office at 32 Broadway, New York City.

**The Weber Chimney Company, of Chicago, has moved its New York office from 95 Liberty street to 30 Church street.

**The Ilg Electric Ventilating Company, Chicago, has leased property near its present quarters at Whiting and Wells streets for a 20-year term at \$12,000 a year, or a total rental of \$240,000. The company is planning to put up a large building on the site for the manufacture of its line of fans, blowers and other heating and ventilating apparatus. A branch office for the sale of Ilg apparatus has recently been opened in Philadelphia, at 122 North Franklin street, in charge of C. A. Anderson. Washington and Baltimore business will be handled from the Philadelphia office. Announcement is also made that the company has added a motor department to its factory and is now building two and three phase motors for its own use and expects to put out a standard line in a short time. The Ilg Company is particularly well equipped to build these machines in the special low speeds required by fan manufacturers.

**Frank L. Patterson & Co., New York, report that the State of Pennsylvania recently opened its third tuberculosis sanatorium at Hamburg, which is probably one of the most up-to-date institutions of its kind in the country. Eight Patterson hot water heaters were installed in the various buildings to furnish hot water to the laundry, house and kitchen supply.

**The Board of Supervisors of Westchester County, E. P. Barrett, chairman, 2 Grand street, White Plains, N. Y., has appointed a special committee to investigate requirements for a new court house to cost 1,000,000. The construction will probably be of granite. There will be court rooms and offices of the various departments of the county and a county jail. Operations will not be undertaken for some time yet. No architect has yet been selected.

**The General Asbestos and Rubber Company, of Charleston, N. C., recently opened a branch store at 58 Warren street, New York

City, where they will carry a complete line of packings, brake linings and asbestos textile materials. R. S. Sanders is in charge of the branch office.

**The Bureau of Foreign and Domestic Commerce, Washington, D. C., has received copies of program and regulations governing the forthcoming Australian Parliament House competition, which may be examined at its main office in Washington, or at its branches.

**The Hoffman Company, Globe Theatre Building, Juniper and Market streets, Philadelphia, Pa., announce that they are preparing plans for a theatre of brick, hollow tile and steel construction, one story high, 150x100, to be erected in Forty-second street, near Fifth avenue, New York City, having a seating capacity of 2,200 people, and to cost about \$200,000. No details as to exact location are available.

**The Department of Architecture of New York State has opened a branch office in the Woolworth Building, 233 Broadway, New York City, to take care of the local business of the department. Announcement was recently made from this office that Edward Metzger will assume charge of all work in the western part of the State formerly supervised by A. C. Browne. A. H. McPhee will have charge of construction work at the Long Island State Hospital. J. H. Verbach will assume charge of all work, now under construction, at Bedford Hills.

**William Barclay Parsons, consulting engineer, was recently appointed a member of the Advisory Commission of City Planning, which is to assist the committee on city plan of the Board of Estimate and Apportionment of New York City. Daniel L. Turner, deputy engineer of subway construction, Public Service Commission, has also been appointed to serve on the same committee.

**The Ceresit Waterproofing Company, of Chicago, has opened a New York office at 35 Nassau street, under the management of Royal E. Clark.

**The Newark Cornice and Skylight Works, 9-15 Seventeenth avenue, Newark, N. J., has opened a New York office at 30 Church street, room 508. Telephone, Cortlandt 1198.

**Henry W. Hodge, of the firm of Boller, Hodge & Baird, consulting engineers, has been chosen as chairman of the recently formed Building Code Committee of the Advisory Council.

**C. T. S. Garwood, for a number of years office manager for J. Gamble Rogers, architect, 470 Fourth avenue, New York City, has resigned to accept a position as superintendent

(Continued on page 46.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., JANUARY 20, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1914

President.....R. Clipston Sturgis, Boston
First Vice-President..Thomas R. Kimbal, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....Burt L. Fenner, New York
Treasurer.....J. L. Mauran
Auditors....{ Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1914

For One Year—Irrving K. Pond, Chicago; John M. Donaldson, Detroit; Edward A. Crane, Philadelphia.

For Two Years—*Burt L. Fenner, New York; C. Grant LaFarge, New York; H. Van Buren Magonigle, New York.

For Three Years—Walter Cook, New York; W. A. B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn Molitor
Vice-PresidentJohn F. Harbeson
SecretaryWilliam C. Stanton
TreasurerWalter Mellor
Directors—Clarence C. Zantzinger, John Graham, Jr., Frederick A. Muhlenberg.

Editorial Comment

To the man who wants to build, whether it be a country house, an office building, an apartment house or a factory, the best possible advice that can be offered is this: First map out in your own mind with as much definiteness as possible about what you want—the amount of money you want to invest, the size of lot you want to cover, the number of stories you have in view, such interior accommodations as you require, what special features, if any, you wish to incorporate, and about what type of building you have in mind.

When you've got all this data so memorized as to be easily accessible, select your architect. Now, right here is where the man who wants to build usually makes his initiatory "bad break." He either selects at random the first architect with whom he comes into contact, or he engages one on the recommendation of some friend who knows the work of the particular architect under consideration if at all only by hearsay. How many, many times we have heard the ancient formula involved in this latter method. "Looking up an architect, eh? Well, say, I know just the chap you want. Nephew of old Bolus, immensely clever fellow,—Beaux Arts and all that sort of thing. Ought to turn you out a house that will make 'em all sit up." The result is that the nephew of old Bolus, who is just chock full of flamboyant ideas, gets the commission, and the confiding client gets a house that does make everybody sit up, including its owner.

So much for the wrong method. The right method is to give a little preliminary study to this very important matter of selecting the architect. Architects are like every other class of professional men. Few of them possess the versatility to do all things with equal facility. We know architects who can do suburban homes with a skill bordering upon genius, but who would be about the last men in their line we would think of calling on to do an office building or a great mercantile or industrial edifice. There are architects who specialize in factories. There are others who exhibit an almost uncanny skill in designing skyscrapers. Others, again, show a particular aptitude for churches. All are specialists in some sense.

The man in quest of an architect will, if he meets the issue with good, hard, common sense, select his designer from the group of men most conspicuously identified with the type of building he wants to erect. Just as you wouldn't think of retaining a civil lawyer in a criminal case or an eye doctor in a case of heart failure, so you will be wise not to ask the man adept in designing moving picture theatres to plan you a home.

There are cases, it is true, in which this plan has been followed with excellent results. Just as there are architects whose skill is equal to a variety of demands. These, how-

ever must be regarded as the exceptions which prove the rule. Generally it will be found the part of wisdom to rely on the specialist. That is to say, to hand the commission for the planning of a suburban home to the man who has gained his reputation in this field of design; that for the apartment house to the man who has designed other successful apartment houses; the commission for a factory to the man who is responsible for other factories with whose good points you are familiar.

Once you have engaged your architect, try to keep in mind the fact that, having engaged a man who knows his business, you are not expected to nag him into nervous hysteria with supplemental suggestions. Get all of your ideas into the first budget. Tell him everything you have to say. Get it all off your system in one grand gulp. Then—relax. Go away somewhere and play golf or take the baths, or do something else equally innocuous and restful. When you get back your architect, if he's the right sort—and most of them are just that sort—will have sketches to show you that will be worth looking at. The trouble—the great trouble with this business of selecting an architect is that it is too much written about. Every magazine in the country these days of any consequence has a page or so devoted to "Home Planning" or "Architectural Hints" or something quite as silly in that same vein, written by women who know nothing whatever about the subject, and intended to convey advice upon it to readers who know, if this were possible, still less.

An architect was telling us only the other day of a client—female, of course—who came to him with a complete chart of gambrel roof, closets, back stairs, sleeping porches, etc., she wished incorporated in a bungalow which was to consist of but one story and an attic, and which she stipulated was not to cost over \$1,500 to build. Knowing her well, this architect went to some trouble to explain just what sort of a bungalow it would require to meet the ideas embodied in this chart—a structure more in keeping with the accepted plan of a country house than a bungalow, and one which it would cost to build, even in clapboard and shingle, something like \$4,500. Most of the ideas, she confessed, had been collected from the "architectural" pages of popular magazines. Once you've selected your architect, a good plan is to let him alone. If he doesn't know his business, you've given the commission to the wrong man. If he does, there is nothing to be gained by interfering with him. You'll get a better building every time by leaving the details to the man who knows how.

* * *

On another page of this, the regular annual building statistics number of "The

Guide," will be found a tabulated report showing the local building activity for the year ending December 31st, 1914. This report is based upon the official records of the Philadelphia Bureau of Building Inspection, and is therefore absolutely accurate and reliable. The showing is, everything considered, little short of remarkable. Nationally the figures are quite as encouraging.

* * *

Building operations throughout the United States for the year 1914, as indicated by the reports from 68 of the principal cities, show a decrease of only 9 per cent., as compared with those of the previous year. Up to August 1, when the European war began, the construction work was almost identical in volume with that of the first seven months of 1913. The loss occurred entirely in the last five months of the year. The cause was apparent to every one concerned in the building trades, namely, the disarrangement of the financial market.

Building operations, on account of the large units involved in this work, compared with most other industrial activities, are peculiarly sensitive to money conditions. The unfavorable comparison is, therefore, not an index of anything intrinsically reactionary in the building industry itself, but simply represents the insuperable obstacles in the way of activity. Thousands and tens of thousands of plans have been held back by the unresponsiveness of the banks, and this accumulated work will be renewed with the general easement of loans.

The official reports of building permits issued by 68 cities for the year 1914, received by "The American Contractor," New York, total \$634,177,323, as compared with \$697,594,916 for 1913. While the generality of reports are in harmony with the prevailing tendency, there are some exceptions. St. Paul shows a gain of 56 per cent. for the year; Salt Lake City, 38 per cent.; South Bend, 39; Seattle, 36; Denver, 34; Oklahoma City's totals make an enormous gain, on account of the new capitol building begun there.

December naturally make the poorest showing of the year, since by common consent new undertakings have been carried over into 1915. The December figures are \$34,310,484, as compared with \$58,661,519 for December, 1913, a decrease of 41 per cent.

* * *

Now that the money market is lightening perceptibly, collections becoming easier and the clouds engendered by the European war lifting, there is every reason for a hopeful and optimistic view of the business conditions dying just ahead. Getting right down to cases, there exists no good, valid, economic reason why a war more than 3,000 miles away should permanently disarrange business conditions here. Such local disturbances as may be traced to the nagging of big business at Washington must in the natural order of things right themselves, the nagging tactics being no longer in evidence. It is creditable to President Wilson that he has been able to recognize the utter futility of much of the legislating and investigating prosecuted

under this head. His announcement that the war on big business is at end should aid materially in bringing about a return to normal conditions. What is needed just now more than all things else, is a return of the confidence which preceded these unsettling forces. A disposition to boost, to look on the bright side, to go out after the business and to get it, is all that is necessary to make 1915 a worthy successor to the prosperous years antedating the unrest, gloom and pessimism of the past few months.

Here's to 1915!

THE FEES OF ARCHITECTS.

In view of the many published statements about the large fee received by Guy Lowell, the architect of the new court house for New York, it is interesting to observe the element of uncertainty which attaches to the profit to be derived from an undertaking of this magnitude.

The cost to an architect in preparing his drawings and specifications and seeing that they are properly carried out, in offices run on the best business basis, is at least one-half of his commission. This, however, applies only to the general class of buildings, and not to residential or public and monumental work. The cost is then as high as 75 per cent. of the architect's commission.

The United States Government prepared a statement which was submitted to Congress (Senate Document No. 916, Sixty-second Congress, second session) which gave the average cost of preparing drawings and specifications alone, exclusive of superintendence or any other field of expenses, for the years 1905 to 1911, inclusive, to be 6.2 per cent. This was for preparing the drawings for the buildings erected by the United States Government and done by the Supervising Architect of the Treasury, a man known for his great executive ability, and, therefore, done with the greatest economy possible.

Reports have been submitted by the State Architect of New York showing that the cost to the State for preparing the plans and specifications made in the State Architect's office exceeds 6 per cent. The cost to the New York Central Railroad for preparing the plans for their new station has exceeded 6 per cent. Therefore, an architect who is able to prepare the plans for a \$10,000,000 building at a cost to him of less than 6 per cent. of the total cost of the building, must run his office in the most economic manner possible and take his chance that the work may cost him more than his entire fee.

It seems to be the general impression in many uninformed places that an architect makes a few sketches taking a few days of his time and for this work receives an enormous fee. The fact of the matter is that to prepare and carry out the work of a \$10,000,000 court house will require the services of from twenty to thirty high-priced draftsmen, as well as a number of engineers and specialists on structural work, heating and ventilation, sanitation, mechanical equipment, etc.,

working for a period of at least five years; will require a large office at a high rental, and with the most economic administration his work will cost about \$450,000. This will leave him about \$150,000 profit, or about \$30,000 a year.

What business man is there who is willing to head a \$10,000,000 corporation with a salary of \$30,000 a year? What corporation is there of this size that pays its counsel less than this amount? Such men, however, receive these salaries without investing any of their own money to obtain it. The architect must invest about \$450,000 in actual cash paid out to receive his profit of \$150,000.

All of the above has nothing to do with the professional training and skill of the architect, and for which he receives his compensation. He must, therefore, not only invest his own money and run a large business office with a chance of running it at a loss, but he must give his skill in designing, his knowledge of engineering and construction, and his training in sculpture and mural decoration in order that he may obtain his fee.—"Construction News."

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

TRADE NEWS AND GOSSIP.

(Continued from page 43.)

ent of construction for the U. S. Treasury Department, Washington, D. C.

**The annual convention of the National Builders' Supply Association will be held in Chicago, Ill., February 8-9, 1915. Headquarters at Hotel Sherman.

**The annual convention of the New York Retail Hardware Association will be held at Syracuse, N. Y., February 16-19, 1915. Headquarters will be at the Yates Hotel.

**The eighth annual convention of the Chicago Cement Show will be held at the Coliseum, February 10-17.

**The Architectural League of New York will hold its annual exhibition in the Fine Arts Building, 215 West Fifty-seventh street, New York City, February 7 to 27. The annual dinner of the League will be held Friday evening, February 5.

**The International Association of Master House painters and Decorators of the United States and Canada will meet in annual convention in Washington, D. C., February 9 to 12, 1915. The headquarters will be at the Hotel Raleigh. A. H. McGhan, Corcoran Building, Washington, D. C., chairman of Convention Committee.

**Active plans are under way to immediately start the work of rebuilding the plant of Thomas A. Edison Company, at West Orange, N. J., which was practically destroyed by the recent fire. The buildings which were entirely destroyed were for the most part one-story and two-story frame structures, which were an easy prey for the flames, while the buildings which were gutted or only partially destroyed had concrete walls and floors, window frames, sash and doors of wood. The

following buildings were entirely destroyed: Tool room, carpenter shop, puncture press department, record stock room, cabinet wood-working department and cabinet finishing department. It is planned to erect in the place of these buildings modern structures of reinforced concrete which will be fireproof in every respect. The record building, office and works building, approximately 300 and 400 feet long, six stories in height, were partially destroyed. Chief Engineer Hutchinson, in speaking of the fire, stated that a number of important things had been demonstrated by the catastrophe, the principal one being that concrete buildings are the most practical for a plant of the Edison type.

**The Thermo Boiler and Radiator Company, manufacturers of gas hot water heaters and other heating apparatus, has established its factory and warehouse at Oakland, Cal. Included in the company's product is an automatic radiator system of heating which is accomplished by means of a double system, the copper coils operating in conjunction, yet entirely independent of each other. The thermostatic gas regulator is adjusted to produce and maintain any degree of that desired for domestic use as well as in the radiators. The company is arranging to place agencies throughout the United States.

**The Pressed Metal Radiator Company, Pittsburgh, Pa., announces that the United States Government, after two years' investigation, has revised its building specifications, so that pressed metal radiators will be specified alternately with cast-iron for all government work.

**The Hoffman Heater Company, Lorain, O., manufacturers of domestic water heaters, announces an increase in its capital stock of \$100,000.

ence of the cave as a model may be seen in the construction of the hall. The hall stood east and west, with the door in the western end giving less access to cold winds. The roof was pitched high so that the smoke could arise above the eyes. The lines of the roof were irregular, so that a foe would mistake it for a grass-grown mound of earth. The entrance was through the western gable, whose lintel was so low and threshold so high that no enemy could enter without difficulty. There was a window, too, in the center of the roof, through which the smoke passed out, and where stood the guard in times of danger. It was one big room without partitions or stories, and all the furniture was what we call built-in. In those days the sign of a man's strength was that he could tear the furniture from its fastening! A table ranged down the middle of the room, with a bench on either side, the middle of which was raised above the level of the rest and reserved for the master of the hall and his wife, the distinguished guest sitting opposite. As this was situated near the fire, it was also a place of great comfort. Two sacred things were in this house—the high posts, usually decorated with carvings of the gods, that separated the master's seat, and the cord that closed the roof window in hours of danger. It takes no great stretch of the imagination to build up from these rudimentary things our modern master's suite in the house, and the custom of locking up the house at night!

The desire for privacy—an acquired custom—brought about the division of the hall into rooms. The women's seat on the long bench marked the place where a partition was erected, and that space further sub-divided into sleeping boxes or "lock-beds"—little more than closets into which the sleeper locked himself. Another partition or wall was erected parallel to the west gable, making a space that was divided into four rooms, two above and two below. One became an entry, one a storeroom, another a sleeping place. Thus the sleeping places went from the ground floor to their present positions upstairs.

When the life of the family became too complex for the rooms inside the house, other buildings were erected close by. Thus there was the guest house—still used to-day on some large estates; the seething house for cooking, which can be seen on Southern plantations, an improvement on which is being advocated in a community kitchen and bakery of the town of to-morrow; bath houses, constructed near springs, to which water was conducted in stone pipes, barns, byres, stables, sheep-folds and pigsties.

The fireplace was built to conserve the fire when wood began to grow scarce, one fire a day being built, and the hearth left to radiate heat the remainder of the time. From this grew the stove. Toward it was moved the seat of honor—for even as to-day, honor in the home spelled comfort.

With the sub-division of the one large room came the necessity for smaller movable furniture, the type of to-day. Ornaments grew from the bow and arrow and spear and the trophies of the chase to things of utility and

THE HOUSE NOT MADE WITH HANDS

There, sirs, you have read of it—the house that is made with hands. For if thus far you have followed these pages, you have witnessed the idea of a house being crystallized into a material entity. You have had your choice of country houses and learned how you and your architect can best work together; you have seen to the gardens that can surround it, the hardware, the plumbing, the lighting, the closets for the wife, the sturdy walls and the roof; and you have planned the truck patch in the back of the yard where you will help Nature on Saturday afternoons give body blows to the high cost of living. It's an interesting process, this building a house from the idea up. To read of it brings stimulus; ambition is awakened. When you lay down the magazine you make a resolution that some day you will have a house, or if you have one, you will make it better.

Much of the same materials are being used to-day as were used centuries ago. We have improved on them; we are making things more comfortable according to our concepts of comfort, and more sanitary and more love-

ly to look upon, but each generation brings its own improvement in the measure of its added wisdom over the generation that has gone. The bath room that was a luxury of yesterday is a necessity of to-day. Yet back of all building and building improvement is a mightier force than that of steel and stone and concrete. The house to-day is the product of ages of improvement in customs. Customs make houses what they are to-day; they are the architects and masons and carpenters of the house not built with hands.

Houses, a recent author claims, were made primarily to shelter and protect the child. Was it the tree-house of the tropics or cave-house of the mountain dwellers or the hall of the sturdy folk of the north, for the child's sake a home was devised to protect it against the heat of summer and the cold of winter. Sociologists are only now awakening to the fact that the love of father and mother for child antedated the love of husband and wife.

From the cave dwelling developed the hall—or cave above ground—and from the hall came the modern house. Traces of the influ-

decoration. Business customs required a knowledge of the time, and thus came into use the hour-glass, and then the clock.

Although in such limited space only a few of the simplest facts of the development of the house can be touched upon, it is evident what romance lies behind us and how custom has been fashioning through numberless centuries the house not made with hands. But the work has not ceased, and, as customs change, so will the house. One can only conjecture what the house of to-morrow will be. We have not yet completely solved the problem of dust, nor do many houses have elevators that eliminate the wearying climb of the stairs. Democratic customs becoming more widespread have made the servant question threaten the feasibility of a separate kitchen for each house. Heating facilities have also not reached the state of blissful perfection. The apartment house has done much to eradicate some inefficient and uneconomical evils, but it has lost, in the process, much of the old charm of the separate house. Nor can the time ever come when men will be content to have their home lives completely regulated by machinery or guided by community regulations.

The house not made with hands is not alone the product of people's customs, but of an owner's individuality. Each man builds his own house unseen, a house of sturdy walls not made of brick, roofed in with other things than slate or tin, windows fashioned of more than wood or metal and glass, and rooms made habitable with furniture no artist can create. For to each house made with hands is one made not with hands. You can see it—if you have the vision of the intangible.—“House and Garden.”

THE EXPOSITION COLOR SCHEME.

Architects who have visited the Panama-Pacific Exposition are unanimous in proclaiming the color scheme of the buildings and grounds the most beautiful of any ever attempted at a previous world's exposition.

Buildings and statuary alike have been colored by pigments introduced into the casting mass of Travertine—the composition chosen for most of the structural and sculptural work. This interesting material is a sort of porous limestone, like that used by the old Italian builders, and with its rough, weathered-looking surface and mellow buff tones still farther softened by the tracery of that delicate vine, the figus ripens, already growing, the walls, columns and statues seem as though several centuries had linked them to the soil. What a welcome contrast to the white and garish buildings one usually finds in exposition grounds!

For the walks and roadways and pavements of the courts, gravel has been selected, of a more neutral, grayish tone, as befits the groundwork upon which the builder-painter works; for the whole place has been treated as a picture—a vast canvas where every detail adds its subdued or brilliant note to the general color harmony. Behind the long colonnades the walls have been painted a wonderful Pompeian red, used as the “lining

color” throughout, enhancing by its contrast the huge green domes and the two golden ones beside the entrance that stand out in Oriental splendor against the intense blueness of the sky. Inside the domes, the eye is greeted by rich blues and reds and golds; farther on, in the shelter of the great entrances, immense mural paintings, set like jewels in the framing walls, give their note of color just where it is needed, complete in their individual beauty and at the same time treated as units in the larger scheme. Truthfully, it is the world's greatest exposition in point of color.—San Francisco “Architect and Engineer.”

OPENING OF BIDS IN PUBLIC.

Anent the opening of bids in public, A. H. Shank, secretary of the Grand Rapids Builders' and Traders' Exchange, says in part:

“The widespread interest displayed by various building organizations throughout the United States on the question of opening bids in public, would indicate that conditions in the building business throughout the country demand a change of method.

“It is safe to say that no legitimate architect can advance any good reason for not letting his work publicly or at least of following a system whereby the different bidders would be acquainted with their position on the list and their competitors' prices at the time of opening of bids.

“The contractors in all lines are unanimously agreed that there is need of a change in the methods which have been in vogue for twenty years. As matters stand at present, the contractor bidding on private work spends his time and money in estimating the cost of a building, submits his bid and afterwards has no means of ascertaining his position on the list, as such information is rarely made public. Under a system of letter work by which the contractors would, at least, become acquainted with their positions on the list of bidders, the owner would in no way be injured, but would, on the contrary, be benefited. Under such a system the position of the architect would also be elevated by his being placed above suspicion.

“The United States Government, the State Government and municipalities in general open bids in public, deserving the right to reject any and all bids, and if this system is practical for government use, it should be practical for the private owner who is in the market to erect a building, just the same as the government. The owner, however, has the advantage over the government in calling for bids, in that he may select only those contractors whom he desires to figure on his building, whereas the government and municipalities must accept bids from any responsible bidder who is able to put up a certified check. It is therefore not to be expected that owners would present any serious objection to having their contracts let in open competition. The ethical tone of the building business is in need of elevation and the establishment of legitimate, open competition would certainly do much to eradicate the

present inferior moral standard and financial depressions which causes the present clamor for different methods.

“There is a great deal which might be said upon this subject at this time which may well be left unsaid. One thing is certain, the contractors in all lines desire to see established more open competition, whereby a square deal will be accorded to all.”

SMOKE WASTE.

Many articles have appeared in this department describing the different appliances available for preventing waste through smoke. A recent issue of the “Technical World Magazine” contained an interesting account of how large companies have been forced to curtail smoke waste. George H. Cushing, the author, says:

“Wounded in its pride, this country has at last awakened to its opportunity. The story of this awakening one day will make one of the biggest chapters in America's industry.”

“It is to go far too minutely into the chemistry of steel-making to tell why this is so, but it is true that when the war began, the steel business of the United States came very near to stopping. One of the elements in Bessemer steel is ferromanganese. We had obtained this mainly from Europe, or Germany, to be exact. With fresh supplies shut off and with small stocks on hand, we were in a bad way.

“Then we got one cargo and arranged for others from South America. This eased the steel mind and established closer relations with our neighbor to the south, but it did not salve the wound to the national pride. In fact, we were stung to the quick when we learned from the Department of the Interior that these elements are available in quantity in this country and have been all along.

“Our steel-makers give the assurance that, before the war is over, they will have developed the deposits which yield those elements. This will make for the real independence—and hence the greater riches—of this country. This is the beginning of our home program.

“Another shock to commercial and self-contained America came when it discovered that while the tin can is the emblem of cheapness, and while tin is the foundation of some of our richest industries, we mine no tin. All of it that we have and use comes from ‘the other side.’ The supply was interrupted for a time and we were in a panic.

“It was with a sensation akin to pain that we learned that we have tin here and should have been working in it years ago. To wipe out this national disgrace—enterprising citizens of Cincinnati have said they intend to produce our tin. That will add to our riches. Surely, it will help to complete our home-trade program.

“These things hurt, but ‘the unkindest cut of all’ came in connection with the thing which, with us, is almost as common as dirt. The United States produces about 40 per

PHILADELPHIA AS A BUILDING CENTER

A Classified and Tabulated Statistical Review of Structural Activities During 1914

Number of new buildings erected from January 1st to December 31st, 1914

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total Operations.	Estimated Cost.
Amusement, Places of.....	5	3	5	4	1	2	2	1	..	1	1	..	25	\$517,600
Apartment Houses	..	..	..	..	..	..	1	..	..	..	1	..	2	58,600
Charitable Institutions	..	..	1	..	3	..	..	..	..	..	..	..	4	77,150
Club Houses	..	..	2	..	1	2	..	..	..	2	1	..	8	331,500
Convent Buildings	..	..	..	..	2	3	1	..	..	2	..	..	5	167,775
Convent Buildings	..	..	1	4	2	..	1	1	1	2	..	..	15	301,460
Dormitory Buildings	..	..	..	..	1	..	..	..	..	..	..	..	1	80,000
Dwellings, one-story	..	..	..	..	..	1	..	..	..	1	..	..	2	6,500
“ two-story	275	223	992	826	770	808	633	465	422	321	197	486	6,418	12,997,300
“ three-story	7	16	76	72	47	43	72	22	15	70	25	10	475	2,412,345
“ four-story	..	..	..	..	..	1	..	1	..	..	..	..	2	56,000
“ frame	1	1	2	7	1	..	3	..	3	4	..	2	24	59,350
Engine and Boiler Houses	..	..	..	1	1	1	..	..	2	1	..	..	6	64,150
Garages	18	13	26	50	32	42	36	31	24	62	42	18	394	440,180
Halls	1	..	1	..	1	..	1	1	..	1	..	..	3	45,300
Hospitals	..	..	1	..	..	..	1	..	..	..	..	..	4	258,000
Hotels	..	..	..	..	..	..	..	..	..	..	1	..	1	137,000
Laundry	..	..	..	..	..	1	..	..	..	..	..	..	1	15,000
Library	..	..	..	1	..	..	..	..	..	..	..	..	1	10,800
Manufactories	4	3	4	7	10	7	9	6	4	5	2	3	64	2,078,475
Miscellaneous Buildings	11	9	15	25	15	11	6	16	15	13	10	9	155	158,815
Office Buildings	1	3	3	1	3	2	2	..	2	..	3	..	20	5,079,975
Parish Buildings	..	..	..	..	..	1	1	..	..	..	..	..	1	10,000
Power Houses	..	..	..	..	1	2	..	..	..	3	..	..	7	1,151,500
Railroad Stations	..	..	..	..	..	1	..	..	..	..	..	..	1	17,500
Schools	1	..	..	1	2	..	1	1	..	..	..	..	6	906,125
Stables	10	4	3	11	15	7	14	5	9	10	8	6	102	105,320
Stores	17	5	3	10	8	5	5	2	2	1	2	2	68	293,970
Tenement Houses	..	7	12	..	..	7	2	..	..	3	2	..	33	721,500
Warehouses	..	..	3	1	3	3	3	2	5	1	..	1	22	316,850
Workshops	7	5	4	9	10	5	7	3	2	6	4	2	64	177,240
Total New Buildings.....	358	292	1154	1030	929	955	800	557	506	509	305	539	7,934	\$29,053,280
Additions	87	60	138	202	179	188	156	135	153	154	98	64	1,614	3,450,480
Alterations and Repairs.....	216	187	303	333	326	322	353	298	263	264	204	157	3,226	2,190,580
Grand Total													12,774	\$34,694,340
Fire Escapes	..	..	..	..	..	..	..	..	..	..	..	..	116	55,635
Fireproofing	..	..	..	..	..	..	..	..	..	..	..	..	3	7,260
Heaters	..	..	..	..	..	..	..	..	..	..	..	..	475	217,040
Miscellaneous Work	..	..	..	..	..	..	..	..	..	..	..	..	2,192	412,240
Signs	..	..	..	..	..	..	..	..	..	..	..	..	149	33,090
Total work of all kinds.....													15,709	\$35,419,605

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Totals
Jan.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	25	4	0	0	0	17	155	39	0	22	0	0	5	0	0	0	275
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	20	0	0	0	0	0	0	0	0	0	0	11	0	0	0	79	0	46	0	32	3	0	2	29	0	0	223
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19	0	13	48	0	0	0	0	48	0	0	0	1	87	2	0	0	28	188	38	20	188	62	7	134	108	0	0	992
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	6	23	0	19	2	1	0	0	2	0	0	0	0	17	26	0	74	56	60	31	229	23	1	92	143	0	5	826
May	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6	59	19	1	0	0	0	1	0	0	1	0	36	0	1	25	0	10	56	65	13	83	21	1	26	166	0	177	770
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	16	0	10	0	0	0	0	0	0	0	162	30	2	0	0	37	159	61	26	171	48	7	36	30	0	2	808	
July	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	10	16	0	21	0	0	0	0	0	0	2	1	0	0	0	72	0	115	19	101	0	0	98	106	0	38	633		
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	21	0	2	0	0	0	0	0	0	0	0	24	50	0	41	24	139	11	82	50	0	19	0	0	465		
Sept.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	28	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	94	50	4	62	27	0	94	49	0	0	422
Oct.	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	30	12	0	27	0	0	0	0	0	0	0	1	0	7	6	0	13	0	21	10	54	62	2	49	16	0	0	321	
Nov.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	8	0	0	0	0	0	0	0	0	4	0	4	0	0	35	10	2	27	0	0	64	0	0	0	197	
Dec.	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	5	0	0	0	0	0	0	0	0	25	2	298	0	1	77	1	0	26	0	0	6	32	0	486	

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Totals	
Jan.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	2	1	0	0	0	0	0	7	
Feb.	0	1	0	0	5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	16	
March	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	2	0	0	0	0	0	0	0	0	0	0	7	4	0	0	7	3	0	3	28	2	0	1	0	0	0	76
April	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	16	0	2	0	1	0	0	0	0	1	0	0	16	4	0	0	2	2	0	1	12	2	0	1	2	0	0	72
May	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	6	0	0	0	0	1	0	0	0	0	0	2	5	0	0	0	7	1	0	8	0	0	0	0	0	47	
June	0	2	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0	0	1	0	0	0	0	0	1	1	0	4	0	0	2	2	0	0	4	0	11	0	0	0	0	43	
July	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	20	4	0	0	0	0	0	0	0	1	0	1	1	1	0	0	1	0	3	0	0	1	9	0	8	72		
August	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	3	0	1	3	0	0	0	0	0	0	22	
Sept.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	4	2	0	0	2	0	0	0	2	0	0	0	0	15	
Oct.	0	0	0	2	1	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	1	34	2	0	0	0	0	0	0	0	0	0	0	0	14	1	0	0	0	4	0	2	4	0	0	2	0	0	70
Nov.	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	1	0	0	0	0	0	1	0	6	0	4	0	0	0	0	0	0	0	4	0	0	0	0	25
Dec.	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
Totals	21	9	5	17	11	0	1	1																																										

"I am thinking also of the other workers;

EVERYBODY WANTS TO USE ELECTRICITY

If Architects and Builders would keep this fact in mind, they would never design or erect a building of any description which was not wired and equipped for Electric Service. Electric Service means not merely light—it makes possible as well the use of all manner of labor-saving devices, whether the building be a cottage, mansion, office building or factory.



of men who measured this tall tower on their slide rules" (and worked out the formula for long columns on their tape measures). "Engineers who foresaw each bolt and fitted so perfectly mass on mass" (without any previous experience and) "with only imagination and their books of figures to guide them * * * workers in the steel mills of the distant city who molded" (or perhaps rolled) "each beam and pillar to go together like a watch—theirs is the silent, forgotten labor"

Let us hope (adds the correspondent) that these nocturnes by untechnical men will be as soon forgotten!

THE QUANTITY SYSTEM OF ESTIMATING.

The following editorial on the above subject, appearing in a recent issue of the "Brickbuilder," cannot fail to impress every member of the profession with the necessity of some modification of the present method of estimating the cost of buildings:

"A few months ago we brought to the attention of our readers the general dissatisfaction which is felt with present methods of estimating and their resultant effect on competitive bidding, calling attention at the same time to the efforts which are being made to establish an American System of Quantity Surveying, which it is claimed will be effective in bringing about better conditions of estimating, equally beneficial to owner and contractor. We published in recent issues expressions of opinion from chapters of the American Institute of Architects and from individual architects, which came to us as a result of our presentation of this subject. Their letters indicated that they recognized

the need for improved methods in estimating, and that they were agreeable to welcome and further any sincere efforts which were made to attain this end.

"The advocates of the Quantity System are constantly enlarging their sphere of influence, and as the advantages to both owner and contractor become more apparent they are arousing the interest and securing the support of the architectural profession. This is, however, as it should be, for architects should be eager to support and adopt any measure which will effect a clear and just understanding between owner and contractor. In the architect's professional employment he assumes the unique and exceptional legal combination of an agent for the owner and at the same time arbitrator between the owner and the contractor. Such an exceptional duty makes the offices of an architect particularly difficult, and it is evident that anything which can be construed to lessen the difficulties which may arise in the fulfillment of his duties should be warmly welcomed by him. It is easily acknowledged that the chief disputes which arise between owner and contractor, and which require arbitration on the part of the architect, are due to misinterpretation of what the contract calls for, and in the settlement of charges incurred by extra work which are due in some cases to omissions in specifications and other causes directly chargeable to the architect, and in others of equal frequency, to express desires on the part of the client to include other items than those in the original contract.

Reasons for Misunderstandings.

"The first reason for such misunderstandings, however, the Quantity System of Estimating as proposed would remove, for before completing the bill of quantities all omissions and other defects would be determined and cleared up, with the result that the documents when they reach the contractor will be as complete and accurate as it is possible to make them.

"It is not so with plans and specifications, which may be, and often are, contradictory and capable of two or more interpretations. In such cases the bidder has forced upon him a condition which causes and encourages guess work methods, as to what another person has in his mind, as to what he really means by certain lines and words, and occasions often arise when it is difficult, if not impossible, to determine what the true intention is until perhaps after the estimate has been submitted.

"The bill of quantities carefully prepared will entirely remove this dangerous element of chance. It should be furnished to each bidder and contain everything which is essential for the contractor to have when making up his figures. It should be prepared by efficient men whose competency and integrity have been assured, and should further be guaranteed by them and made the basis of the contract equally with the drawings and specifications."

FOOLISH BOILER LAWS.

So accustomed are Americans, living in cities, to the conveniences of steam heat, power, electricity and other comforts provided by steam of one sort or another, that it does not occur to us that we are constantly living in danger. The American Society of Mechanical Engineers has made a six months' inquiry of the number of boiler accidents throughout the country and reports as follows:

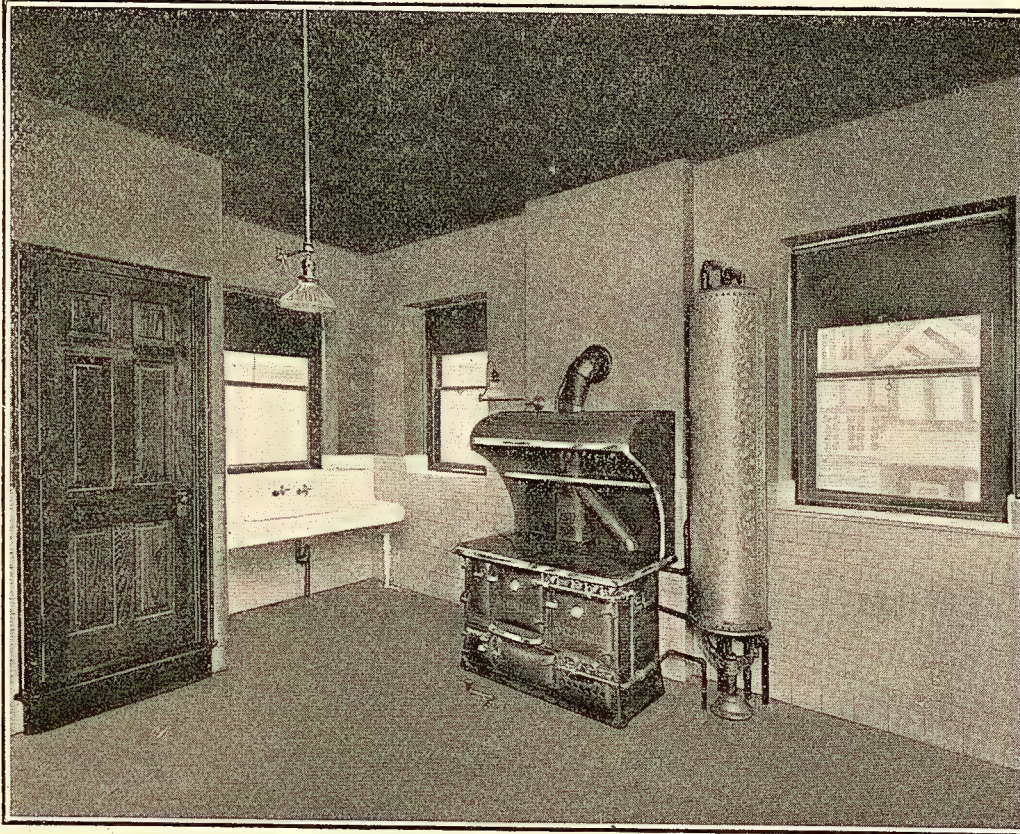
"Throughout the United States each year there are between 1,300 and 1,400 serious boiler accidents, of which 300 to 400 are violent explosions. These accidents kill between 400 and 500 persons, injure 700 to 800 more, and destroy more than half a million dollars worth of property. In a single explosion, that of the R. B. Grover Shoe Company, at Brockton, Mass., fifty-eight persons were killed, 117 more were injured, \$250,000 worth of property was destroyed, and an aggregate of \$280,000 was claimed in the personal injury and death suits that were brought. In a period of forty-six years since 1867, over 10,000 people have been killed and over 15,000 injured in boiler explosions.

"These disasters emphasize the necessity of constructing and installing steam vessels and their appurtenances in as nearly perfect a manner as possible; the importance of preventing carelessness in their operation, and the wisdom of having them inspected at regular intervals by disinterested experts.

"At the present time ten States and nineteen municipalities have in force laws for the compulsory inspection of steam boilers in which are comprised a code of practical rules for their construction and operation, and a number of other States and municipalities either have prepared or are now preparing similar laws for enactment. The laws now in force all differ from one another in a number of material respects, and unless some relief can be obtained, each new law as enacted will differ from all the others.

"By reason of the differences in these laws a boiler built in one State having such a law may not be shipped into another State—not because the boiler is any less safe in one State than in another—but solely because it does not meet the requirements of construction in both States. Worse than this, a State which has no such law becomes a common dumping ground for all the worn-out and unsafe boilers that are condemned and put out of service by the States that have such laws."

If you've got a specialty that will commend itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pippin that there is either something better on the market or your specialty isn't worth a kopeck noway.



Interior of Residence
J. H. Billington, Overbrook, Pa.

Designed and Built by
Milton W. Young, Overbrook, Pa.

DOUBLE STERLING

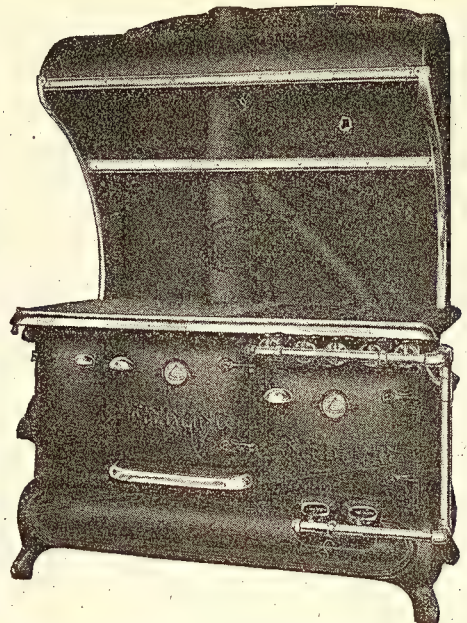
*"In the Whole World
not another like it."*

The *one* Range
par Excellence.
Compact, hand-
some and capable.

The most talked about range to-day, and
every word a good one, too, justly deserved.

The *Double Sterling* the *one* complete
Coal and *Gas* range of equal capacity.

*Has 39 features of which at least a dozen are
exclusive*

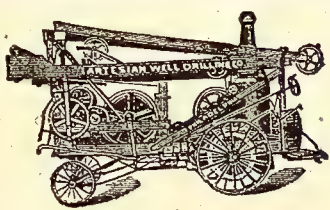


BORDEN STOVE COMPANY

118-120-122 NORTH SECOND STREET, PHILADELPHIA

Also at out-of-town Agencies

YOUR INQUIRY WILL BRING A REPRESENTATIVE, OR HANDSOME CATALOG, ALSO LIST OF USERS



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Belmont Iron Works

Iron Beams, Columns, Girders, Stairs,
Structural Iron, Forging and
Castings, etc.

22nd and Washington Avenue
Bridge Shop, Eddystone, Pa.
1622 Real Estate Trust Co. Building
S. E. Cor. Broad and Chestnut Sts.
PHILADELPHIA

THE JOHN BAIZLEY IRON WORKS

Office. 514 So. Delaware Avenue, Phila.
Blacksmiths, Boilermakers and Machinists,
FIRE ESCAPES, Builders' Iron Work, Boilers,
Tanks and Stacks, Railings and Structural Iron
Work. Boiler Tubes Safened. Oxy-Acetylene
Welding.

R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

J. T. JACKSON CO. Real Estate Brokers

Chestnut and 13th, S. E. Cor.
Philadelphia
Branch Office, OAK LANE
RENTS, SALES, MORTGAGES, ETC.

Holmesburg Granite Company

112 North Broad Street
Philadelphia, Pa.

*Buff Granite, Gray Granite, Cut Stone, Face Stone, Rough Stone
Belgian Blocks and Crushed Stone*

Quarries and Plant, Holmesburg, 35th Ward Philadelphia

Pennsylvania Railroad Sidings

Pneumatic equipment for cutting and drilling



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Court, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

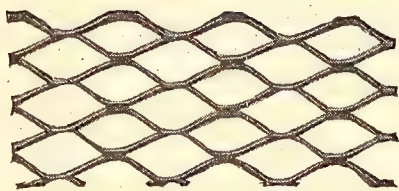
CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO" Expanded Metal Lath



"Bilco" Diamond Mesh

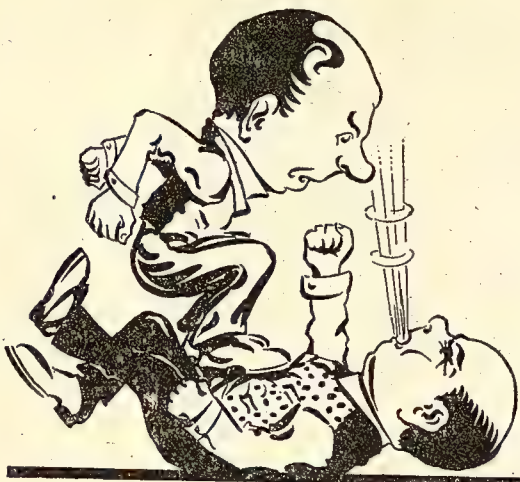
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son,
11th and Ontario sts., Phila.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Chas. Warner Co., Land Title Bldg., Phila.
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

F. E. Carpenter Co.,
868 Postal Bldg., New York City

Flag Poles (wood and steel).

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
228 Arch st., Phila., Pa.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

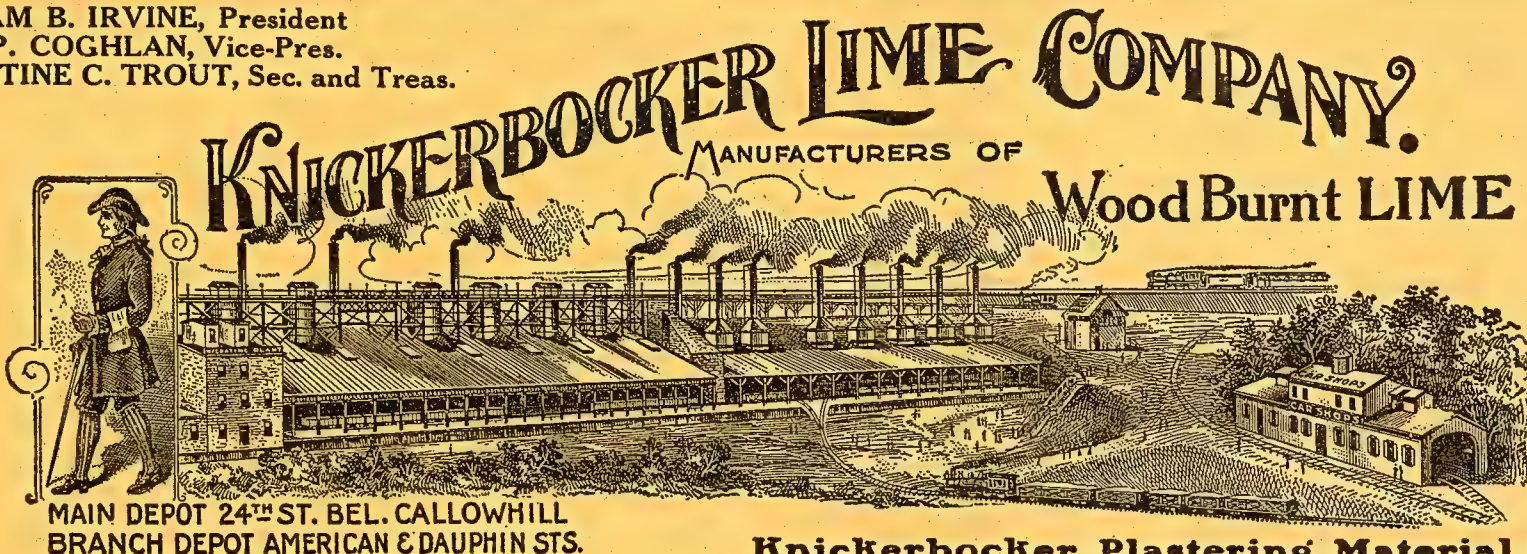
Rough Texture Brick in Golden, Gray and Red Groups

WILLIAM B. IRVINE, President
JOHN P. COGLAN, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

ESTABLISHED 1886

LARGE
LIST

**Factories Mills
Warehouses Wharves**

Automobile Service
for Inspection
Free

A SPECIALTY
For Sale or Rent

W. BRUCE BARROW
130 North Twelfth Street
Philadelphia

BELL: Filbert 3819
3820

KEYSTONE; Race 2094
2095

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

MANUFACTURERS OF

**Builders' and Ornamental
IRON WORK**
Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.



THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 4.

PHILADELPHIA, WEDNESDAY, JANUARY 27, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

DEXTER

Portland



Cement

HIGHEST STANDARD ATTAINABLE

SAMUEL H. FRENCH & CO.

Sole Agents

Established 1844

York Avenue, Fourth and Callowhill Streets

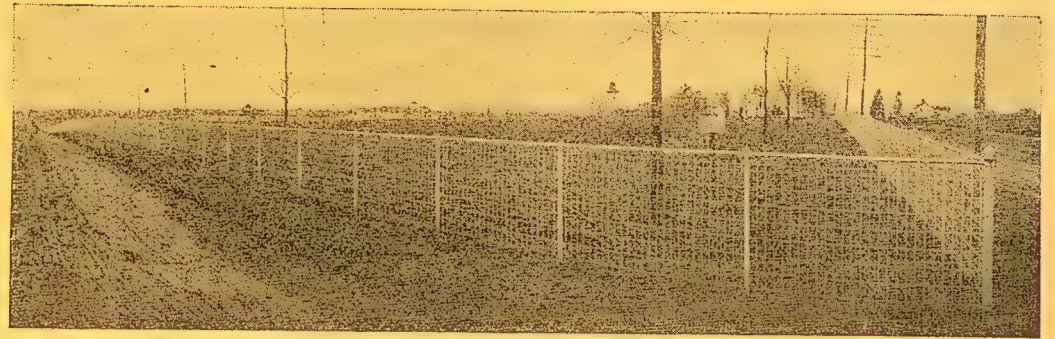
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

Correspondence Solicited.

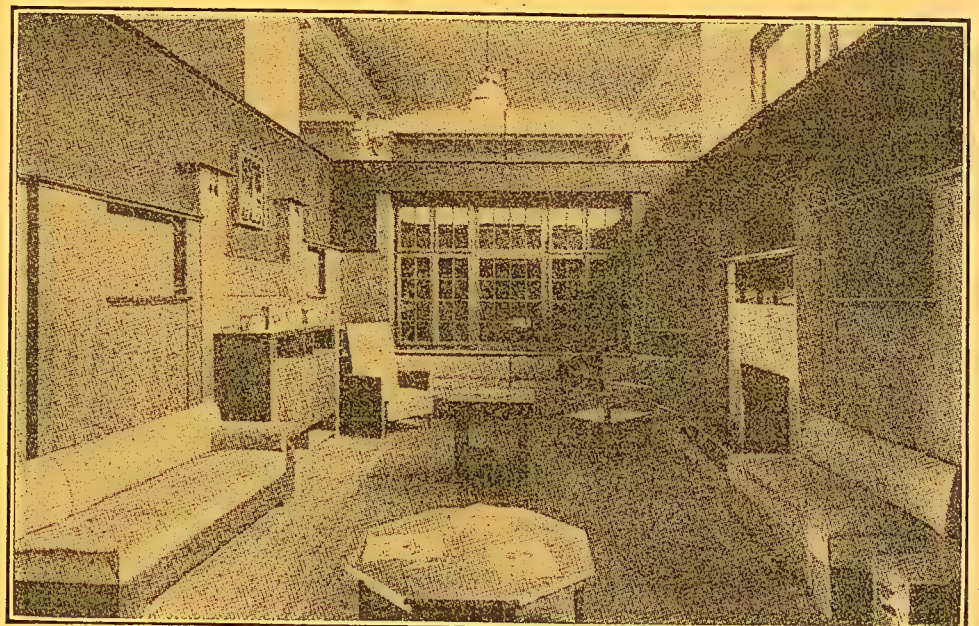
Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City

The Bag-ful of



COMPO BOARD

THE GREAT SUBSTITUTE FOR LATH AND PLASTER.
Quick and Clean Partition Work.

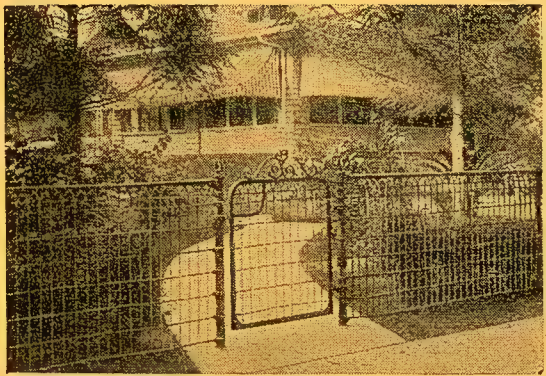
The Original and Real Article. The only board, a repeater. Sample will
convince you.

SEE OUR EXHIBIT AT THE BUILDERS' EXCHANGE

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates. Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



DESIGNS

DETAILS

CHAS. H. KOHN & CO.

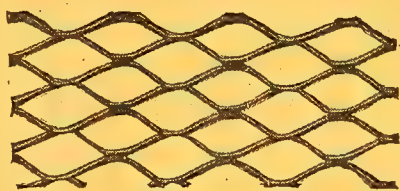
Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO"

Expanded Metal Lath



"Bilco" Diamond Mesh

is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

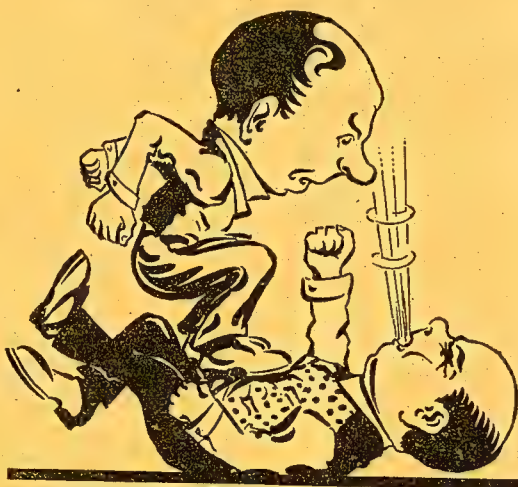
Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,

131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified, advance building news concerning work in Philadelphia, Eastern Pennsylvania, Southern New Jersey and Delaware.

Let our representatives show you the merits and utility of this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.

Special Sale

No. 450 Acorn
Cabinet Gas Ranges

about \$5 less than usual value

Price \$21.75

**\$2.25 Down
\$2.00 a Month**

5% off if bought for Cash.

Connected FREE on first floor or in basement along our mains.

At stores or from representatives.

**THE UNITED GAS
IMPROVEMENT CO.**

WARNER "ALCA" LIME

Trade Mark
(PATENTED)

A perfect and most economical cementitious material for all-around use in mortars, stuccos and in plasters, inside and outside.

Prepared with and without hair.

A reasonably quick hardening, highly plastic, hydrated lime, ready for immediate use for all purposes.

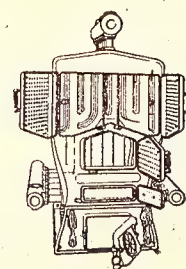
Contains the good features of Portland Cement, Gypsum Plaster and Cement.

Send for Trade Bulletin on Warner "Alca" Lime and for further information consult

Charles Warner Company
Philadelphia, Pa.

Wholesale Office, 810 Land Title Building.
Retail Yard 30th and Spruce Streets.

—MILLS—



"Satisfaction"

When a type of boiler is made for 40 years, and each year's sales increase over previous ones there is but one conclusion—

They must give satisfaction.

The H. B. SMITH CO.

1225 Arch Street
PHILADELPHIA - PA.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

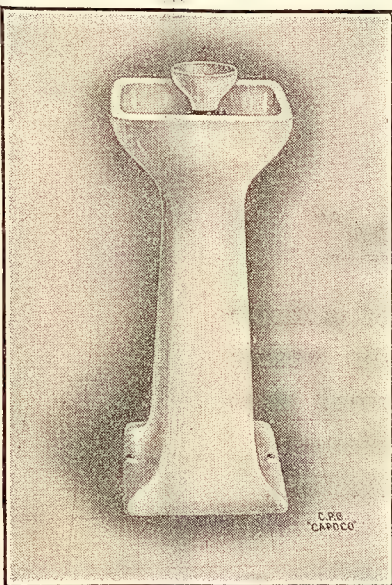


Plate 206 D

"CAPOCO"

Sanitary Vitreous Earthenware

Vitreous China Square
Pedestal Bubbler Drinking
Fountain, suitable for Hotels,
Hospitals, R. R. Stations and
all public places. We man-
ufacture a complete line of
Drinking Fountains.

Write for *Catalogue D.*

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing

Land Title Bldg., Phila., Pa.

The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

UNIFORM CONTRACT FORMS

As adopted and recommended by the American
Institute of Architects

"Standard" Blanks for the Building Trade.
Certificate Books.

Builders Levels, Transits and Rods from
\$15.00 up. Measuring Tapes.
Blue Printing.—Drawing Materials.

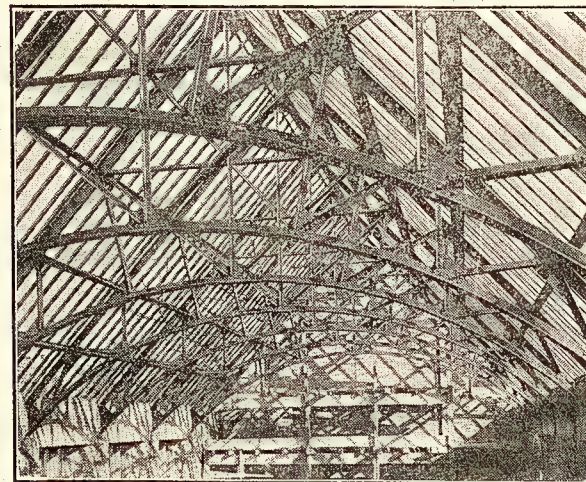


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



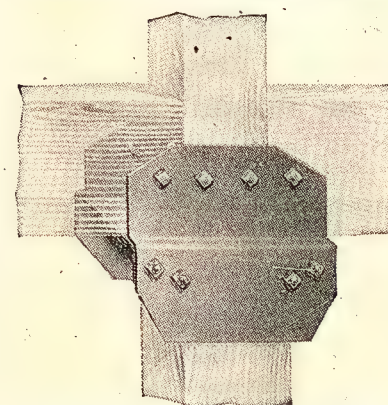
W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

BUILDERS' SPECIALTIES



DUPLEX STEEL POST CAPS
and HANGERS are Labeled and
Approved by the National Board
of Fire Underwriters.

Duplex Post Caps	Duplex Post Bases
Wall Plates	Joist Hangers
Wall Hangers	Wall Ties
Cleanout Doors	Ash Drops
Joist Anchors	Stone Anchors
Joggles	Cellar Doors
	Concrete Inserts

All Carried in Stock for Immediate Shipment

Write for Catalog and Discounts

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-32

BAIRD-OSTERHOUT CONSTRUCTION CO.

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 4.

PHILADELPHIA, WEDNESDAY, JANUARY 27, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence (alts.), Greene street and Indian Queen lane, Germantown. Architect, Charles J. Cummiskey, 165 East Pomona street, Philadelphia. Owner, Dr. Wm. K. Muller, on premises. Brick, 3 stories, tin roof, hot air heating, oak floors (plumbing reserved). Architect taking bids, due February 1st. The following are figuring: F. B. Davis, 240 North Sixteenth street; Specht & Sperry, Heed Building; W. J. Cowell, 943 East Cheltenham avenue; L. D. Stites, 126 East Herman street, all of Philadelphia.

Factory (alt. and add.), Twenty-third and Cherry streets, Philadelphia. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, S. J. Creswell Iron Works, on premises. Brick, 2 and 3 stories, slate and slag roof (heating and lighting reserved). Architects have received revised bids.

Boiler House (alt. and add.), Hancock and Berks streets, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Philadelphia Dye Works, on premises. Brick and concrete, 2 stories, 30x75 feet, slag roof. Architect taking bids, due January 28th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; Joseph Bird Co., 213 North Eleventh street; Stewart Bros., 2526 North Orkney street; J. Richard Jackson, Perry Building; H. E. Baton, Twelfth and Sansom streets; Smith-Hardican Co., 1606 Cherry street; H. E. Grau Co., 1709 Sansom street; Stacy Reeves & Sons, 2011 Market street; Chas. McCaul Co., 1713 Sansom street, all of Philadelphia.

Bird House, Thirty-fourth and Girard avenue, Philadelphia. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owners, Zoological Society of Philadelphia, on premises. Brick, concrete and glass, 1 story, 78x143 feet, slate roof (heating and lighting separate bids), metal lath. Architects taking revised bids, due January 29th. The following are figuring: James H. Wells, Heed Building; R. C. Ballinger, 218 North Thirteenth street; J. S. Cornell & Sons, Land Title Building; H. L. Brown, 1714 Sansom street, all of Philadelphia.

Office Building, Thirty-sixth and Gray's Ferry road, Philadelphia. Architect, private

plans. Owners, Barrett Manufacturing Company, Land Title Building, care of Mr. Kelly. Brick, 2 stories, 42x122 feet (roofing, heating and light reserved), composition floors. Owners have received bids.

Convent, Eleventh and Master streets, Philadelphia. Architect, Henry D. Dagit, 411 Walnut street, Philadelphia. Owner, St. Malachi's R. C. Church, on premises. Stone, 3 stories, 58x76 feet, slag roof, electric lighting (plumbing and heating reserved). Plans in progress. Bids in 2 weeks.

Parish House, West Penn street, Germantown, Philadelphia. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owner, Trinity Lutheran Church, on premises. Brick and stone, 2½ stories, 40x60 feet, slate roof, steam heating, electric lighting. Architect taking bids, due January 28th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; W. J. Gruhler, 219 East High street; Stokes Bros., 6723 Musgrave street; Frank H. Rinker, 416 West Coulter street, all of Philadelphia.

Garage, Girard avenue and Felton street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, William T. Wallace, care of architect. Brick, 1 story, 100x125 feet, slag roof, steam heating, fireproof, electric lighting. Plans about completed. Architect will be ready for bids in a few days.

Fire House, Byberry, Philadelphia, \$28,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owners, City of Philadelphia, City Hall, Philadelphia. Brick, 1 story, slag roof, steam heating, electric lighting. Owners ready for bids.

Residence, Germantown, Philadelphia. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owner, Dr. G. Chapin Jenkins, 6406 Germantown avenue, Philadelphia. Stone, 2½ stories, slate roof, hardwood floors, gas and electric lighting. Plans in progress. Architects will be ready for bids about February 1st.

Hospital (alts.), Fifteenth street, above Race street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Hahnemann Hospital, on

premises. Consists of new fire tower and sun parlors. Architect taking bids, due January 29th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; Charles Gilpin, Harrison Building; Stewart Bros., 2526 North Orkney street; F. E. Wallace, 1210 Sansom street; Charles McCaul Co., 1713 Sansom street; Archibald MacTavish, 1513 Pine street, all of Philadelphia.

Store (alt. and add.), Twelfth and Morris streets, Philadelphia. Architect, private plans. Owner, C. A. Gillingham, on premises. Brick, 3 stories, 16x20 feet, slag roof, steam heating, electric lighting. Owner has received bids.

Apartment House (alt. and add.), Seventh and Spruce streets, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Minnie Brown, 626 Spruce street, Philadelphia. Brick, 4 stories, 25x96 feet, slag roof, steam heating, electric lighting, oak floors. Architect taking bids, due February 2nd. Joseph Bird Co., 213 North Eleventh street; Bailey-Lush Co., 201 North Broad street; F. B. Davis, 240 North Sixteenth street; F. C. Borel, 5425 Summer street, all of Philadelphia, are figuring.

Ice Storage House, Third and Norris sts., Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Norris Market Ice Manufacturing Co., on premises. Brick, steel and concrete, 2 stories, 80x110 feet, slate roof, electric lighting, asphalt floors, metal lath. Architects taking bids, due January 29th. George Kessler Cont. Co., Drexel Building, and Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia, are figuring.

Residences (24), Fifty-fifth and Arch sts., Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, N. Kenin, 6030 Market street, Philadelphia. Brick, 2 stories, 16x34 feet, slag roof, hot water heating, electric lighting, oak floors. Plans completed. Owner will take sub-bids.

Bath House, 728 to 734 Snyder avenue, Philadelphia. Architect, J. E. Fieldstein, 211 Hale Building, Philadelphia. Owner, Philip Silverman, 312 Carpenter street, Philadelphia. Brick and stone, 2 stories and basement, 64x

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

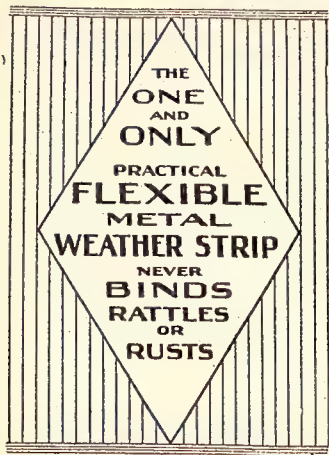
Made on
TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



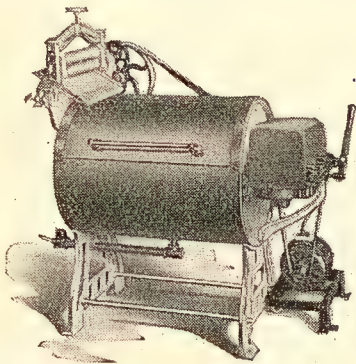
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
114 N. 2nd St., Phila.

113 feet, slag roof (heating and lighting reserved), composition floors. Architect taking bids, due January 27th. George L. Sipps, 912 Chestnut street; Jacob Gorchoy, 317 Reed street, Philadelphia, are figuring.

Factory (add.), 1617 to 1623 Melon street, Philadelphia. Architect, Werner Trumbower, Crozer Building, Philadelphia. Owners, A. F. Bornot & Bros., Seventeenth and Fairmount avenue, Philadelphia. Brick and concrete, 4 stories, 53x56 feet, slag roof. Plans in progress.

Sedimentation Basin and Office Building and Wheel House, Torresdale, Pa. Architect, private plans. Owners, Department of Public Works, Bureau of Water, City Hall. Stone and brick, 1 and 2 stories, 26x75 feet and 23x36 feet, slate and slag roof, steam heating, electric lighting, metal frames and sash. Owners taking bids, due February 9th. The following are figuring: H. E. Grau Co., 1709 Sansom street; P. J. Hurley, 1233 Cherry street; McCloskey-Bahl, Hale Building; Keystone State Const. Co., Commercial Trust Building, all of Philadelphia, and H. L. Bader, Atlantic City, N. J.

Apartment House (alt. and add.), Seventh

and Spruce streets, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Minnie Brown, 626 Spruce street, Philadelphia. Brick, 4 stories, 25x93 feet, slag roof, steam heating, electric lighting, oak floors. Architect taking bids, due February 2nd. In addition to those previously reported, Stacy Reeves & Sons, 2011 Market street; A. Whitehead, Inc., 1624 Latimer street; Freund-Siedenbach Co., Bulletin Building; William Easterbrook, 136 North Fourth street, all of Philadelphia, are figuring.

Office Building, Thirty-sixth and Gray's Ferry road, Philadelphia. Architect, private plans. Owners, Barrett Manufacturing Co., care of Mr. Kelly, Land Title Building. Brick, 2 stories, 42x122 feet (roofing, heating and lighting reserved), composition floors. Lowest bid submitted by George Hogg, 1634 Sansom street, Philadelphia, \$15,600.

Settlement House, Fifth and Queen streets, Philadelphia. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owners, Music Settlement, care of architect. Brick and concrete, 3 stories. Plans in progress. Details not decided.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Garage, 4322-24 North Broad street, Philadelphia, \$9,000. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owner, Mrs. Annie K. Ledig, 1705 Allegheny avenue, Philadelphia. Brick and stone, 3 stories, 24x63 feet, garage, 1 story, 24x24 feet, slag and tile roof, hot water heating, gas and electric lighting, oak floors. Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

Residence (alt. and add.), 2029 North Broad street, Philadelphia, \$7,500. Architect, private plans. Owner, George Kessler, Drexel Building, Philadelphia. Stone, 3 stories, vapor vacuum heating, electric lighting, oak floors. Contract awarded to George Kessler Cont. Co., Drexel Building, who is taking sub-bids.

Residence and Garage, Thirteenth and Medary avenue, Philadelphia, \$3,800. Architect, private plans. Owner, Charles Dooin, Mepestic Hotel, Philadelphia. Frame, 2½ stor-

ies, 28x41 feet, shingle roof, hot air heating, electric lighting, oak floors. Contract awarded to F. & L. Davis, Thirteenth and Nedro street, Philadelphia.

Apartment House (alt. and add.), Broad and Reed streets, Philadelphia, \$10,000. Architects, Milligan & Peirson, 520 Walnut street, Philadelphia. Owner, John Burt, 1443 South Broad street, Philadelphia. Brick and stone trimmings, 4 stories, 22x40 feet, slag roof, steam heating, electric lighting, oak floors. Contract awarded to Edgar Urian, 1331 South Fifty-eighth street, Philadelphia.

Factory (add.), Wecoco street and Snyder avenue, Philadelphia, \$13,000. Architect, private plans. Owners, General Manufacturing Co., Thirtieth and Market streets, Philadelphia. Brick, concrete and steel, 1 story, 62x125 feet. Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

PENNSYLVANIA Construction News

School, West Reading, Pa., \$50,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, School Board of West Reading, Pa. Brick, 2½ stories, 168x85 feet, composition roof, electric lighting, slate blackboards. Plans about completed. Owners will take bids in 2 weeks.

School, Port Carbon, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Read-

ing, Pa. Owners, Board of Education, Port Carbon, Pa. Brick and stone, 2 stories, 80x160 feet, composition roof, electric lighting, slate blackboards. Plans about completed. Owners will take bids in one week.

Apartment House, Reading, Pa., \$18,000. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner's name withheld. Brick, 3 stories, 30x108 feet, slag roof, steam heat-

UNITAS TILING

A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

ing, gas and electric lighting, hardwood floors, tile work, metal lath, gas ranges. Plans in progress.

Synagogue, Reading, Pa., \$20,000. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner's name withheld. Brick, 1 story, 45x80 feet, tin roof, steam heating, gas and electric lighting, composition floors. Plans in progress.

Apartment House, Ninth and Buttonwood streets, Reading, Pa. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, George Lerch, Reading, Pa. Brick, 3 stories, 20x100 feet, tin roof, steam heating, gas and electric lighting. Revised plans in progress.

Store and Residence (alts.), Reading, Pa., \$2,500. Architect, J. Earl Hickman, 119 South Fifth street, Reading, Pa. Owner, Robert W. Madeira, 322 North Sixth street, Philadelphia. Brick, 2½ stories, 17x70 feet, tin roof, gas and electric lighting, composition floors. Plans in progress.

Twin Residence, West Reading, Pa., \$8,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Ernfield & May, West Reading, Pa. Brick and concrete blocks, 2½ stories, 16x45 feet each, slate roof, hot air heating, electric lighting. Plans in progress.

Residence, Reading, Pa., \$4,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Lafayette Neider, 1142 Greenwich street, Reading. Brick, 2½ stories, 17x50 feet, tin and slag roof, hot air heating, gas and electric lighting. Plans in progress.

Bindery and Loft Building, Reading, Pa., \$15,000. Architect, J. Earl Hickman, 119 South Fifth street, Reading, Pa. Owner, August W. Arnold, 634 Washington street, Reading, Pa. Brick, 3 stories, 36x100 feet, asbestos roof, steam heating, electric lighting. Architect taking bids, due January 25th. The following are figuring: L. H. Focht & Son, D. H. Hunter, Charles H. Schlegel, all of Reading, Pa.

Residence and Garage, Easton, Pa. Architects, Martin & Kirkpatrick, 1001 Chestnut street, Philadelphia. Owner, Ralph Pittinger, Easton, Pa. Stone, 1½ stories, 28x50 feet, shingle or slate roof (heating and lighting reserved). Plans in progress.

Store and Theatre, Allentown, Pa., \$75,000. Architect, E. M. Pickin, Hunsicker Building, Allentown, Pa. Owner, Fred B. Gerner, 504 Hamilton street, Allentown, Pa. Brick, concrete and steel, 2½ stories, 80x230 feet, slag roof, steam heating, electric lighting, tile work, metal lath, dampproofing and waterproofing. Plans about completed. Architect will take bids in a few days.

Club House, Allentown, Pa., \$35,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown. Owners, Odd Fellows, Allentown, Pa. Brick and stone trimmings, 4½ stories, 40x150 feet, slag roof, steam heating, electric lighting. Plans in progress.

Office Building, Bethlehem, Pa., \$10,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Vanderstucken-Ewing Const. Co., Bethlehem, Pa. Brick, 2 stories, 28x56 feet, slag roof, steam heating, electric lighting, composition floors, tile work. Plans about completed. Owners will take bids in a few days.

Parochial School, Northampton, Pa., \$20,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, St. Mary's R. C. Church, North-

ampton, Pa. Brick, 3 stories, 72x68 feet, slag roof, steam heating, electric lighting. Plans completed. Architect will soon take bids.

Workmen's Houses (200), Palmerton, Pa., \$320,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Palmerton Land Co., Palmerton, Pa. Frame, 2½ stories, 28x28 feet, slate roof, heating and lighting not decided. Plans in progress.

Residences (8), Allentown, Pa., \$70,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, H. A. Butterweck, Allentown, Pa. Brick, 2½ stories, slate, slag and copper roofs, hot water heating, gas and electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

Storage Building, Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Brown-Borhek Co., Bethlehem, Pa. Brick and frame, 2 stories, 24x100 feet, slate roof, electric lighting. Owners are sub-letting all contracts.

Store (5) and Apartments (alt. and add.), South Bethlehem, Pa. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owner, George F. Metzger, Fourth and New streets, South Bethlehem, Pa. Brick, 4½ stories, 40x60 feet, slag roof, steam heating, gas and electric lighting, tile work, dumb waiter, iron and marble stairs. Plans completed. Owner will take bids in a few days.

Stable (alt. and add.), Merion, Pa. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Wm. H. Wanamaker, Jr., Merion, Pa. Stone, 2 stories, shingle roof, steam heating, electric lighting. Architect taking bids, due January 29th. The following are figuring: F. E. Wallace, 1210 Sansom street; E. J. Hedden, Penn Square Building; Charles C. Pace, Merion, Pa.; Alfred James, Bala, Pa.

Hospital Buildings, Hanover Township, Pa. Architect, Harry W. Walton, Bethlehem, Pa. Owner, Homoeopathic State Hospital for the Insane, care of Dr. Henry I. Klopp, Allentown, Pa. Consists of 2 pavilions and a cottage, brick, 1 and 2 stories, 70x24 feet, 28x64 feet, 30x21 feet, slate and slag roofs, electric lighting, steam heating, metal lath. Owners taking bids, due February 3rd, at 3 P. M. Plans can be obtained upon deposit of \$25.00. F. Roe Searing, Perry Building, and Metzger & Fisher, Denckla Building, both of Philadelphia, are figuring.

Church and Sunday School, Norristown, Pa. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owner, Mount Zion M. E. Church, Norristown, Pa. Stone and brick, 1 story, slag roof, steam heating, electric lighting. Plans in progress.

Chapel, Valley Forge, Pa. Architects, Zantinger, Barie & Medary, Fifteenth and Walnut streets, Philadelphia. Owner, Washington Memorial Chapel, Valley Forge, Pa. Stone, 1 story, 30x80 feet, copper roof. Plans in progress. Bids in about 2 weeks.

Residence (alt. and add.), Lansdowne, Pa. Architect, Frederick Wallick, 103 Park avenue, New York City. Owner, Robert F. Irwin, 50 South Front street, Philadelphia. Stone and plaster, 2½ stories, 25x39 feet, slate roof, hot water heating, electric lighting, oak and tile floors. Architect taking bids, due February 2nd. H. E. Grau Co., 1709 Sansom street, and F. E. Wallace, 1210 Sansom street, Philadelphia, are figuring.

High School, Kennett Square, Pa., \$30,000.

Contractor's Equipment

10 per cent. discount will be allowed to all Builders and Contractors making a purchase at our Exhibit in the Bourse Building, Philadelphia, upon presentation of this advertisement.

"Buy direct and save the middleman's profit."

BIEHL IRON WORKS

Main Office and Factory, READING, PA.

Makers of Concrete Mixers, Hoist Buckets
Steel Concrete Chuting, Wheelbarrows, etc.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

WATERPROOFING

When you need any information on waterproofing and dampproofing send for specimen prints and specifications covering all methods.

"Do your waterproofing with Aquabar"

THE AQUABAR COMPANY

Engineers, Contractors
and Manufacturers
REAL ESTATE TRUST BUILDING
PHILADELPHIA, PA.

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

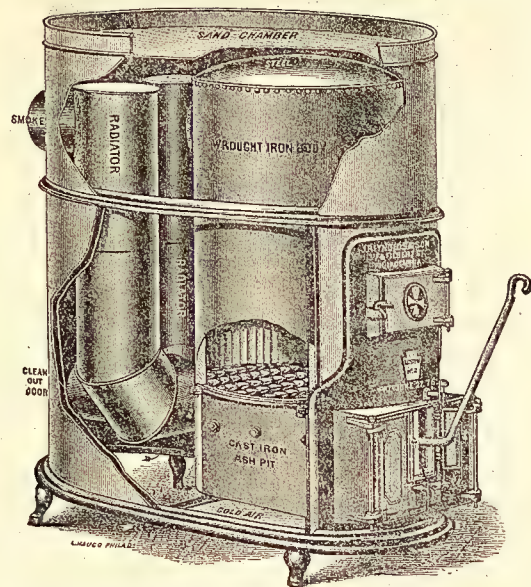
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

J. W. COLQUHOUN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting
Painter and Decorator
Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Kennett Square, Pa. Brick, 2 stories, 55x115

feet, slate roof. Owners taking bids, due February 15th. Plans may be obtained from architect upon deposit of \$20.00.

PENNSYLVANIA

Contracts Awarded

Residence (alt. and add., Bethayres, Pa., \$5,000. Architect, private plans. Owner, Walter M. LaRue, 1124 Chestnut street, Philadelphia. Stone and frame, 2½ stories, consists of general alterations to residence and barn. Contract awarded to John Welsh, 221 North Seventeenth street, Philadelphia.

Residence (alt. and add.), West Chester, Pa. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Henry Pepper Norris, Land Title Building, Philadelphia. Brick, 2 stories, tin roof, electric lighting (heating reserved). Contract awarded to P. E. Jefferies, West Chester, Pa.

Bank Building, Lewisburg, Pa., \$40,000.

Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, Lewisburg Trust and Safe Deposit Co., Lewisburg, Pa. Marble and stone, 1 story, 40x80 feet, composition roof, steam heating, electric lighting, bank fixtures, marble and tile work. Contract awarded to Charles McCaul Co., 1713 Sansom street, Philadelphia.

Store (alt. and add.), 537-39 Penn street, Reading, Pa., \$6,000. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, Gilbert Estate, Reading, Pa. Brick, 2 stories, 26x148 feet, tin roof, steam heating, electric lighting, waterproofing. Contract awarded to Wm. A. Sharp, 1208 Eckert street, Reading, Pa.

NEW JERSEY

Construction News

Apartment House, Ventnor, N. J., \$16,000. Architect, W. S. Hewitt, Bartlett Building, Atlantic City, N. J. Owners, Hampton Bros. Co., 4403 Atlantic avenue, Ventnor, N. J. Brick, stone trimmings, 3 stories, 37x75 feet, slate roof and slag roof, hot water heating, electric lighting, tile work, metal lath. Plans in progress. Owners will take sub-bids.

Garage (alts.), Atlantic City, N. J., \$3,000. Architects, Shull & Berry, Atlantic City, N. J. Owner, P. E. Lane, Kentucky avenue and Boardwalk, Atlantic City. Brick, 1 story, 60x170 feet, consists of new front and interior alterations, electric lighting. Owner will sub-let all contracts.

Apartment House, Elizabeth, N. J., \$12,000. Architects, Shull & Berry, Atlantic City, N. J. Owner's name withheld. Brick and terra cotta, 3 stories, 34x80 feet, slag roof, hot water heating, electric lighting, tile work. Plans in progress.

Undertaker's Establishment (alts.), Elizabeth, N. J. Architects, Shull & Berry, Atlantic City, N. J. Owners, M. M. Martin &

Son, Elizabeth, N. J. Brick, 1 story, 26x65 feet, hot water heating, electric lighting, tile roof, new fixtures. Plans in progress.

Residence, Trenton, N. J., \$15,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, F. W. Harper, 840 Riverside avenue, Trenton, N. J. Brick, 2 stories, 34x54 feet, tile roof, electric lighting, hardwood floors, tile work (heating reserved). Architects taking bids, due January 30th. The following are figuring: S. W. Mather & Son, I. Harper Clayton, Edward D. LaRue, Burton & Burton, Scott & Day, W. J. & J. H. Morris, all of Trenton, N. J.

Children's Hospital, Trenton, N. J., \$40,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, City of Trenton, Department of Public Affairs, City Hall. Brick, 2 and 3 stories, 215x30 feet, slate roof, steam heating, gas and electric lighting, metal lath. Owners taking bids. The following are figuring: S. W. Mather & Son, W. J. & J. H. Morris, Burton & Burton, I. Harper Clayton, Samuel Wiley, Charles R.

LIGHTING FIXTURES

In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

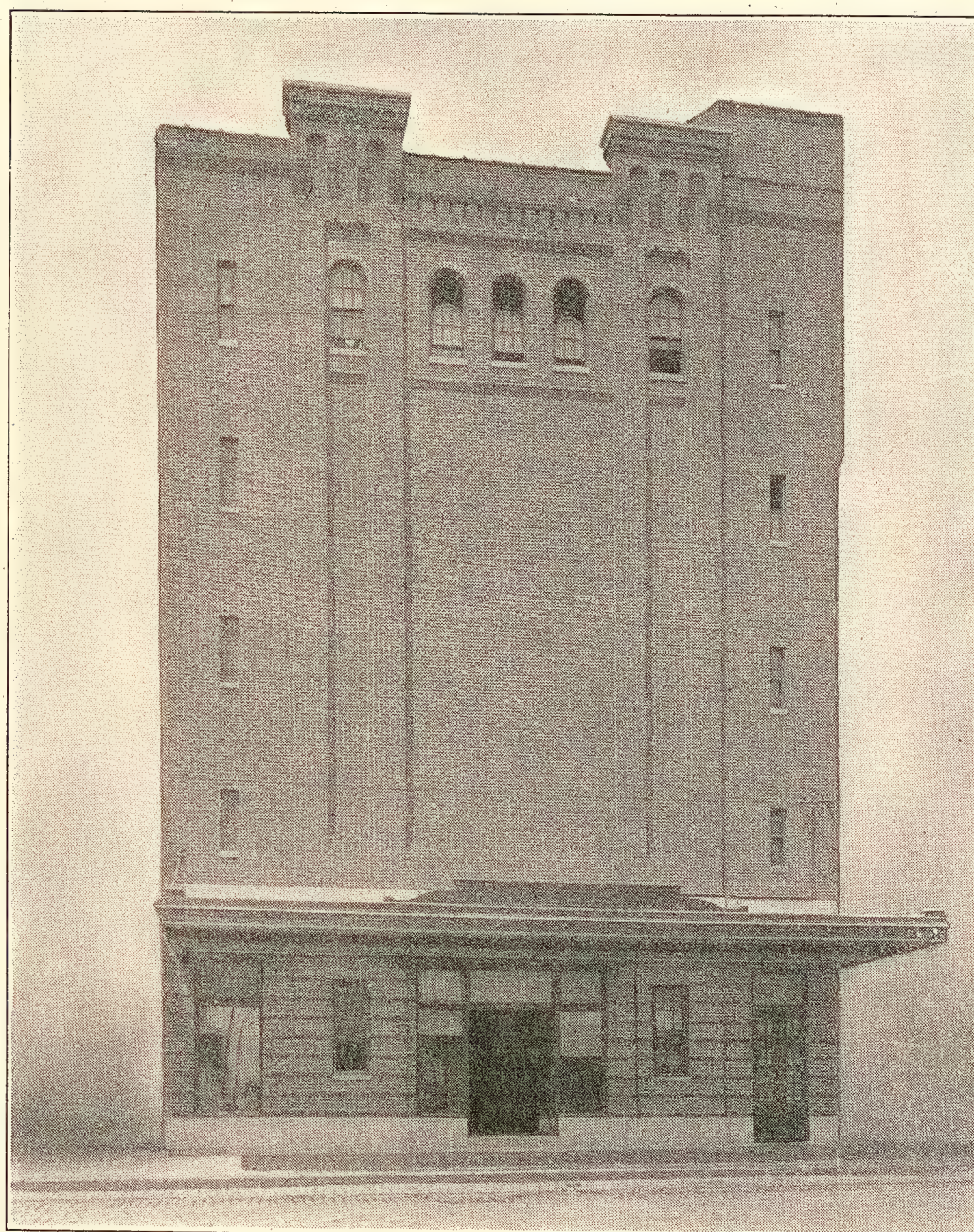
Factory and Show Rooms

242 PENN STREET, - READING, PA.



SAUMS PRESERVATIVE

WILL
WATERPROOF CEMENT FLOORS



Builder, Wm. A. Dougherty

S. SKLAROFF & SONS
712-714 South Second Street, Philadelphia

Architects, Sauer & Hahn, Phila.

SEEPAGE was ENTIRELY STOPPED on the CONCRETE FLOORS in this building

SAUMS PRESERVATIVE WILL HARDEN CONCRETE FLOORS
AND MAKE THEM
DUSTLESS—WATERPROOF—ACID-RESISTING

The Only Permanent Process and we can Prove it

THE SAGENDORPH COMPANY

131-133 SOUTH 24th STREET

: :

PHILADELPHIA, PA.

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

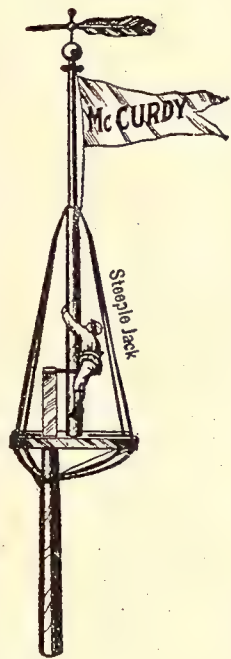
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

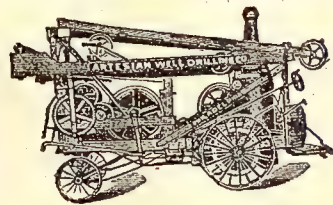
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

Randell, C. Poinsett, C. J. Smith, E. D. LaRue, A. Trier, David Tietz & Son, Scott & Day, Levy & Son, William Hicks, all of Trenton, N. J.

Flat House, Trenton, N. J., \$9,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, John Satterthwaite, Trenton, N. J. Brick, 3 stories, 29x60 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors, metal lath. Architect taking bids, due January 30th. The following are figuring: E. D. LaRue, I. Harper Clayton, David Tietz & Son, S. W. Mather & Son, Lewis Mongold, Daniel A. Dugan, all of Trenton, N. J.

Water Works (add.), Clinton, N. J., \$8,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owner, State of New Jersey, Reformatory for Women. Consists of cast iron pipe, 100,000 gallon reservoir and electric line work. Plans in progress.

School, Highland Park, N. J., \$12,500. Architect, John L. Coneys, 1513 Walnut street, Philadelphia. Owners, Board of Education, Center Township, Ed. Graeff, Clerk, Magnolia, N. J. Brick, 2 stories, slate or slag roof, steam heating, electric lighting. Plans completed. Ready for bids January 30th. Deposit \$5.00.

School, Barrington, N. J., \$12,500. Architect, John L. Coneys, 1413 Walnut street, Philadelphia. Owners, Centre Township School Board, Ed. Graeff, Clerk, Magnolia, N. J. Brick, 2 stories, slate or slag roof, steam heating, electric lighting. Plans completed. Ready for bids January 30th. Deposit \$5.00.

School, Lawnside, N. J., \$12,500. Architect, John L. Coneys, 1413 Walnut street, Philadelphia. Owners, Board of Education, Center Township, Ed. Graeff, Clerk, Magnolia, N. J. Brick, 2 stories, slate or slag roof, steam heating, electric lighting. Plans completed. Ready for bids January 30th. Deposit \$5.00.

High School, Woodstown, N. J., \$75,000. Architect, Albert W. Dilks, 1001 Chestnut street, Philadelphia. Owners, Board of Education of Pilesgrove Township, Richard K. Fliteraft, President, Woodstown, N. J. Brick, 2 stories, 205x84 feet, wing 47x52 feet, slag roof, safety treads, metal lath, slate blackboards, proposal bond (heating, plumbing and electric work reserved). Architect taking bids, due February 2nd, at noon. The following are figuring: Joseph Bird Co., 213 North Eleventh street; Wm. R. Dougherty, 1610 Sansom street; James H. Wells, Heed Building; F. Roe Searing, Perry Building; George & Borst, 277 South Eleventh street; J. E. & A. L. Pennock, Land Title Building; Alex. Chambley, 243 South Tenth street; E. E. Hollenback, Fifteenth and Race streets; George Bachman, 19 North Thirtieth street, Camden, N. J.; George W. Shaner, Palmyra, N. J.; R. C. Ballinger Co., 218 North Thirteenth street, Philadelphia.

Church (int. alts.), Sayreville, N. J., \$3,000. Architect, Wm. P. Endebrock, American Mechanics' Building, Trenton, N. J. Owner, St. Stanislaus Kostka, Sayreville, N. J. Consists of interior finish, ornamental plastering, electric lighting and floors. Plans in progress.

School (add.), Beverly, N. J., \$25,000. Architect, H. A. Brown, Beverly, N. J. Owners, Board of Education, Clarence Hazzard, Secretary, Beverly, N. J. Brick, 2 stories, 50x60 feet, tin roof, electric lighting, slate blackboards (heating separate bids). Lowest bid submitted by Alex. Chambley, 243 South Tenth street, Philadelphia, \$15,747. Contract will be awarded soon.

Office Building, Front and Cooper streets, Camden, N. J. Architects, W. J. Karcher & W. Livingston Smith, 34 South Seventeenth street, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, stone and terra cotta, fireproof, 8 stories, 74x135 feet,

slag and tile roof, cork and tile floors, metal lath, waterproofing and dampproofing, metal frames and sash (heating and lighting reserved). Architects taking bids, due January 28th. In addition to those previously reported, J. Myers & Sons, Witherspoon Building, Philadelphia, are figuring.

Residence, Haddonfield, N. J. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Dr. Earnest A. Farrington, Haddonfield, N. J. Stone and frame, 2 stories, 30x50 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Architect has received revised bids.

Platform and Shelter Sheds, Rahway, N. J. Architect and Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Concrete and steel, 1 story, 300 feet long, slag roof, electric lighting. Owners taking bids, due February 18th. The following are figuring: Keystone State Const. Co., Pennsylvania Building; Brann & Stuart, Commercial Trust Building; James McGraw Co., Commercial Trust Building; Brown-King Const. Co., Commercial Trust Building; W. W. Lindsay, Harrison Building; Enos L. Seeds, 6314 Wissahickon avenue; F. J. Boas, 210 North Broad street; Irwin & Leighton, 126 North Twelfth street; Roydhouse-Arey Co., Fidelity Building; A. L. Carhart, Hale Building; F. A. Havens Co., 845 North Nineteenth street; J. N. Ferguson Co., Potterson, N. J.; C. B. Bell, Cranford, N. J.; M. Byrnes Building Co., Elizabeth, N. J.; F. R. Parker, Trenton, N. J.

Hotel, New Hampshire avenue and Boardwalk, Atlantic City, \$1,500,000. Architects, Marshall & Fox, 38 South Dearborn street, Chicago, Ill. Owner, Samuel F. Nixon, South Broad Street Theatre, Philadelphia. Brick, steel, terra cotta, 16 stories, 300x700 feet. Plans in progress. Bids in March.

Picture Theatre, Bordentown, N. J. Architect, John Phelps Pette, 131 Jackson street, Trenton, N. J. Owners, Mercantini & Bella, Bordentown, N. J. Brick, hollow tile and steel, 2 stories, 43x184 feet, slag roof (electric work, steam heating and plumbing separate bids). Architect taking bids. The following are figuring: William Hicks, Charles Y. Barlow, S. W. Mather & Sons, Karl Poinsett, Charles Smith, all of Trenton, N. J.

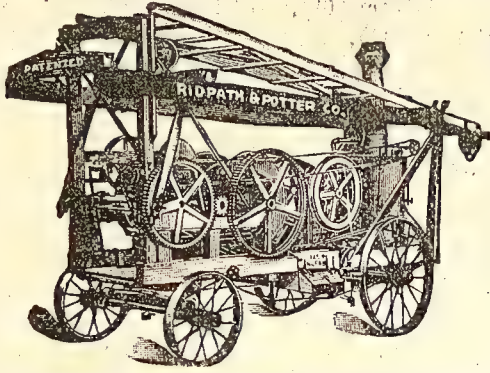
Residence, Merchantville, N. J., \$4,000. Architect, Charles J. Brooks, 518 Federal street, Camden, N. J. Owner, H. C. Bell, Merchantville, N. J. Hollow tile and stucco, 2½ stories, 31x34 feet, asbestos shingle roof, tile work (heating and electric work will be reserved). Plans in progress.

Stable, 114 Marlton avenue, Camden, N. J. Architect, private plans. Owner, Charles Mathew, on premises. Frame and brick, 2 stories, 16x32 feet, ruberoid roof, electric lighting. Owner is sub-letting all contracts.

Shop, 14y7 Broadway, Camden, N. J. Architect, private plans. Owner, Herman Odlen, Audubon, N. J. Galvanized iron, 1 story, 16x40 feet, slag roof, steam heating, electric lighting. Owner is sub-letting all contracts.

Picture Theatre, Jersey City, N. J., \$60,000. Architect, Walter Hankin, 28 Delaware View, Trenton, N. J. Owners, Fairmount Amusement Co., Spingarn Building, Jersey City. Brick, 1 story, 75x100 feet, concrete and slag roof, steam heating, electric lighting, composition floors, metal lath, dampproofing and waterproofing. Plans in progress. Architect will take bids in ten days.

Church (add.), Jersey City, N. J., \$4,000. Architect, Walter Hankin, 28 Delaware View, Trenton, N. J. Owner, St. Stephen's Episcopal Church, Rev. E. S. Sweet, Jersey City, N. J. Hollow tile and plaster, 1 story, 12x40



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

feet, slag roof, steam heating, electric lighting, dampproofing. Plans in progress.

Hospital (adds.), Trenton, N. J., \$50,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owner, State Hospital for Insane, L. T. Atchley, Warden, Trenton, N. J. Consists of kitchen, wing and administration building. Brick, 3 stories, 34x250 feet, slag roof, steam heating, electric lighting, composition floors. Owners ready for bids.

Service Building and Cottages (2), Skillman, N. J., \$75,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, State of New Jersey, Epileptic Village, Dr. David F. Weeks, Skillman, N. J. Brick and concrete, 1½ and 2 stories, service building 115x44 feet, cottages 116x31 feet each, slag roof, central steam heating plant, electric lighting, iron stairs, steel sash, waterproofing and dampproofing, composition floors. Owners are ready for bids.

Work Shop (add.), Morris Plains, N. J., \$4,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Morris Plains, N. J. Brick and concrete, 2½ stories, 30x36 feet, slag roof, steam heating, electric lighting. Owners are ready for bids.

Greenhouse (add.), New Brunswick, N. J., \$4,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, New Jersey State Agricultural College, New Brunswick, N. J. Brick and glass, 1 story, 21x45 feet, slag roof, steam heating, electric lighting, concrete floors. Owners are ready for bids.

Children's Hospital, Trenton, N. J. Architects, Kleeman & Fowler, First National Bank

Building, Trenton, N. J. Owners, City of Trenton, N. J., City Hall, Trenton, N. J. Brick, 2 and 3 stories, 215x30 feet, slate roof, steam heating, gas and electric lighting, cement floors, metal lath. Lowest bid submitted by Scott & Day, Inter-State Telephone Building, Trenton, N. J. Building complete, \$37,250; omitting wing, \$27,490.

Picture Theatre, Jersey City, N. J., \$100,000. Architect, Walter Hankin, 28 South Delaware View, Trenton, N. J. Owners, Fair-Amusement Co., Spingarn Building, Jersey City, N. J. Brick, terra cotta, concrete and steel, fireproof, 1 story, 100x80 feet and 100x180 feet, concrete and slag roof, steam heating, electric lighting, composition floors, metal lath, waterproofing and dampproofing. Owners taking bids, due February 7th. The following are figuring: George T. Wills, 101 Park avenue, New York City; Peter F. Ridfern, Jackson avenue, Jersey City, N. J.; Wm. R. Whyte & Sons, Oakland avenue, Jersey City, N. J.; Gustave Dekempi, Hoboken, N. J.

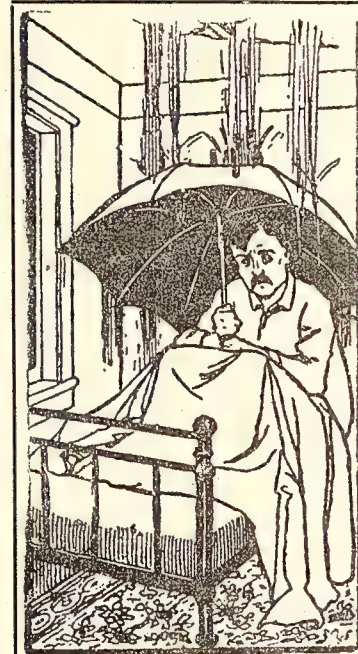
Learn to advertise. If you feel unequal to the task of preparing the kind of copy you ought to have, let us prepare it for you. Advertising is our business. We are always glad to help men who are honest enough to concede that they do not know it all. And the service won't cost you a penny if you contemplate joining the army of "Guide" advertisers.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.
2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

NEW JERSEY Contracts Awarded

School, Gloucester, N. J., \$14,935. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Gloucester, N. J. Brick, 2 stories and basement, 32x82 feet, slate roof, metal lath (heating and lighting reserved), metal ceiling. Contract awarded to F. Roe Searing, Perry Building, Philadelphia.

Residences (4), Ventnor, N. J., \$12,000. Architect, J. V. Mathis, Bartlett Building, Atlantic City, N. J. Owner, Lewis T. Bryant, 136 South North Carolina avenue, Atlantic City, N. J. Hollow tile, stucco and frame, 2 stories, 22x24 feet each, asphalt shingle roofs, hot water heating, gas and electric lighting, tile work. Contract awarded to J. Mathis & Son, Bartlett Building, Atlantic City, N. J.

Apartment House, South Victoria avenue, Atlantic City, N. J., \$18,000. Architect, V. B. Smith, Sheen Building, Atlantic City, N. J.

Owner's name withheld. Brick, stone trimmings, 4 stories, 35x70 feet, slag roof, hot water heating, electric lighting, tile work, metal lath, dampproofing, hardwood floors. Contract awarded to Clayton E. Shappell, 4803 Ventnor avenue, Ventnor, N. J.

Residences (4), Trenton, N. J., \$8,000. Architect, W. P. Endebrock, American Mechanics' Building, Trenton, N. J. Owners, Morris Bros. Realty Co., Trenton, N. J. Brick, 2½ stories, 15x24 feet each, slate and slag roof, hot air heating, gas and electric lighting. Contract awarded to W. J. & J. H. Morris, Broad Street Bank Building, Trenton, N. J.

Garage, 223 North Third street, Camden, N. J. Architect, private plans. Owner, O. D. Wood, on premises. Brick, 1 story, 20x25 feet, tin roof, electric lighting, concrete floors. Contract awarded to John S. Townsend, 9 North Front street, Camden, N. J.

Miscellaneous Construction News

Almshouse, Bridgeport, Conn. Architects, Skinner & Walker, Bridgeport, Conn. Owner, City of Bridgeport, Frederick W. Behrens, President of Committee, Bridgeport, Conn. Consists of group of 6 buildings, 1, 2 and 3 stories, 84x21 feet, 84x43 feet, 133x42 feet, 67x35 feet, 100x85 feet, 25x15 feet. Brick, hollow tile and steel, fireproof, gravel roofs, electric lighting, elevators, metal lath, concrete floors, ornamental iron work, steam heating. Owners taking bids, due February 1st. James H. Wells, Heed Building, and J. E. & A. L. Pennock, Land Title Building, Philadelphia, are figuring.

Court House, Cincinnati, Ohio, \$2,500,00. Architects, Rankin, Kellog & Crane, 1012 Walnut street, Philadelphia. Owner, City of Cincinnati, Court House Commission. Brick, stone, steel and concrete, 5 stories, 260x292 feet, slag and tile roof, tile floors, metal lath, waterproofing and dampproofing, safety treads, metal casements, metal frames and sash (heating and lighting reserved). Owners taking revised bids, due February 15th. Charles McCaul Co., 1713 Sansom street, Philadelphia, are figuring.

Residence (alt. and add.), Wilmington, Del.

Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, H. Rodney Sharp, Wilmington, Del. Stone, 3 stories, 15x30 feet, copper or flat slate roof, electric lighting, hardwood floors, vacuum heating. Plans in progress.

Normal School, Fairmount, W. Va., \$125,000. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, Fairmount State Nor-

mal School, James S. Lakin, President, Charleston, W. Va. Brick, stone and terra cotta and steel, fireproof, 2 stories, 68x200 feet, slag and promenade tile roof, electric lighting, steam heating, iron stairs, safety treads, composition floors, metal ceilings, expanded metal lath, metal doors and trimmings, oak floors, metal weatherstrips. Plans completed. Owners will take all bids.

MARYLAND Construction News

Residence Pocomoke City, Md. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Milton L. Veasey, Pocomoke City, Md. Frame, 2½ stories, 30x40 feet, shingle roof, hot water heating, electric lighting, oak floors. Plans in progress.

Residences (5), Thirtieth street, near Abell avenue, Baltimore, \$15,000. Architect, private plans. Owners, Abell Building Co., Thirtieth and Abell avenue, Baltimore. Brick, 2½ stories, tin roof, steam heating, electric lighting. Owners are awarding sub-contracts.

Residence, Catonsville, Md., \$7,500. Architect, Henry J. Finley, Saratoga and St. Paul streets, Baltimore. Owner, Mrs. Lietch, care of architect. Frame, 2½ stories, slate roof, steam heating, electric lighting. Architect taking bids. The following are figuring: A. K. Boteter, 1121 Myrtle avenue; Louis Milske, 34 Montford avenue, both of Baltimore;

Schatz Bros., Catonsville, Md.

Garage, Baltimore, Md., \$65,000. Architects, Wyatt & Nolting, Keyser Building, Baltimore. Owners, Yellow Taxi Co., American Building, Baltimore. Brick, concrete and steel, fireproof, 3 stories, 100x150 feet, slag roof, steam heating, electric lighting, concrete boors. Plans in progress.

Residences (150), Parford road, Baltimore, Md. Architect, private plans. Owner, Thos. E. Sprinkle, 3340 Chestnut avenue, Baltimore. Brick, 2 stories, slag roof, furnace heating, gas lighting. Contemplated.

Residences (2), Moreland avenue, near Baker street, Baltimore, \$5,000. Architect, private plans. Owner, J. K. Hubbard, 1820 Lanvale street, Baltimore, Md. Brick, 2 stories, 26x36 feet each, slate roof, steam heating, electric lighting. Owner is awarding sub-contracts.

C. W. Miller (O), 5716 Girard avenue. J. R. Jackson (C), Perry Building. Cost, \$17,000. Garage, brick, 1 story, 50x225 feet, 413 North Sixty-third street.

Louise Hyman (O), 1320 South Fourth street. Cost, \$5,200. Two stores and dwellings, brick, 3 stories, 20x33 feet, Thirty-first and Aspen streets.

A. E. Oehrle (O), 4823 North Thirteenth street. E. B. McCall (C), Sixty-fifth and Park avenue. Cost, \$2,650. Dwelling, brick, 2 stories, 18x30 feet, 1344 Palmer street.

F. J. Blatz (O), 4923 North Lawrence street. Cost, \$11,400. Four dwellings, brick, 2 stories, 16x30 feet, 202 Northeast Boulevard.

Charles H. Eckman (O), 2126 North Sixteenth street. Cost, \$18,000. Four dwellings, brick, 3 stories, 16x52 feet, Sixty-fifth and Park avenue.

Charles Dooen (O), Majestic Hotel. F. & L. Davis (C), Thirteenth and Nedro streets. Cost, \$3,500. Residence, frame, 2½ stories, 28x41 feet, Thirteenth and Medary avenue.

Schrieber & Steinhausen (O), 5424 North Fifth street. Cost, \$24,200. Eleven dwellings, brick, 2 stories, 15x30 feet, Sixth and Somerville streets.

City of Philadelphia (O), City Hall. F. A. Havens Co. (C), 845 North Nineteenth street. Cost, \$3,000. Public Comfort Station, brick, 1 story, 10x32 feet, Tacony, Philadelphia.

Alterations and Additions

Industrial Cold Storage Co. (O), American and Berks streets. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$700. Storage, American and Berks streets.

W. H. Windolph (O), 28 0rth Twelfth street. L. W. Zell (C), Cardington, Pa. Cost, \$3,000. Garage, brick, 1 story, 48x88 feet, Felton and Cedar avenue.

F. P. Headley (O), 1227 Germantown avenue. Joseph Schulback (C), 1221 German-town avenue. Cost, \$1,800. Store, Thirty-third and Berks streets.

City of Philadelphia (O), City Hall. Geo. B. Clopp (C), 3207 Spring Garden street. Cost, \$950. Boiler room, City Hall, Philadelphia.

E. Sennieler (O), 1008 Montgomery avenue. A. A. Roesch (C), Trevoze, Pa. Cost, \$1,000. Dwelling and store, frame, 2 stories, 10x18 feet, slag roof, Bustleton Pike and Somerton avenue.

J. Spina (O), 1706 South Tenth street. M. Cepolla (C), 833 Greenwich street. Cost, \$700. Store and dwelling, brick, 3 stories, 13x16 feet, 1706 South Tenth street.

C. T. Flood (O), Broad and Venango sts. J. H. Hinkle & Co. (C), Hutchins and Venango streets. Cost, \$460. Dwelling, 3253 North Carlisle street.

J. R. Hookes & Co. (O), Sixteenth and Vine streets. W. J. Bryan (C), 278 South American street. Cost, \$500. Commission House, alteration, Sixteenth and Vine streets.

D. Di Genova (O), 1009 Carpenter street. Cost, \$675. Residence, brick, 3 stories, 14x15 feet, 1009 Carpenter street.

E. Schwartz (O), 2018 South Fifth street. A. P. Lucker (C), 1727 North Fifty-first street. Cost, \$600. Dwelling, 2018 South Fifth street.

Rev. Archbishop E. E. Prendergast (O), Eighteenth and Race streets. McLaughlin & McNamara (C), 3973 Elser street. Cost, \$775. Convent alteration, stone, 2 stories, 10x10 feet, 3809 North Broad street.

J. J. Bunting Bedding Co. (O), 1505 Wharton street. E. J. Kreitzburg (C), 1345 Arch street. Cost, \$12,575. Manufacturing building, brick, 4 stories, 1505 Wharton street.

Murphy Bros. (O), Thirtieth and Reed

MARYLAND Contracts Awarded

Bridge, Hanover street, Baltimore, Md., \$104,058. Engineer, City Engineer. Owners, City of Baltimore, City Hall, Baltimore, Md. Reinforced concrete. Contract awarded to Raymond Concrete Pile Co., Munsey Building, Baltimore, Md.

Store Building (alts.), southeast corner Eutaw and Franklin streets, Baltimore, \$1,500. Architect, private plans. Owner, H. P. Stewart, on premises. Consists of new copper front, electric lighting. Contract awarded to J. Henry Smith, 1426 Light street, Baltimore, Md.

Almshouse (alts.), Baltimore County, Md., \$10,000. Architect, private plans. Owners, Baltimore County Commissioners. Consists of general alterations, steam heating, electric lighting, wood floors. Contract awarded to Cogswell-Koether Co., 406 Park avenue, Baltimore, Md.

Warehouse and Bulkheads, Wagner's Point, Baltimore, Md., \$300,000. Engineer, private plans. Owners, Prudential Oil Corporation, New York City. Frame and concrete bulkhead, 800x400 feet, and warehouse 96x28 feet.

Contract awarded to the Andrew Miller Co., Dundalk, Baltimore, Md.

Store and Warehouse, Paca and Mulberry streets, Baltimore, Md. Architects, Haskell & Barnes, 301 North Charles street, Baltimore. Owner, Joseph E. Watkins, Jr., 225 North Howard street, Baltimore. Brick, 4 stories, 176x56 feet, tin roof, steam heating, electric lighting. Contract awarded to John E. Marshall & Son, 121 Mercer street, Baltimore.

Garage (alts.), Boston and Hudson streets, Baltimore. Architect, private plans. Owner, American Can Co., on premises. Concrete, 2 stories, tin roof, electric lighting, concrete floors. Contract awarded to John Hiltz & Son, 3 Clay street, Baltimore, Md.

Packing Plant, Exeter and Lombard sts., Baltimore, Md., \$25,000. Architect, George R. Callis, Jr., Knickerbocker Building, Baltimore. Owners, Consolidated Beef and Provision Co., Baltimore, Md. Reinforced concrete, 2 stories, slag roof, steam heating, electric lighting, concrete floors. Contract awarded to West Construction Co., Knickerbocker Building, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Harold Houseman (O), Somerton, Pa. Specht & Sperry (C), Heed Building. Cost, \$7,100. Dwelling, stone, 2½ stories, 53x25 feet, Byberry road.

Mark Haller (O), 2123 South Fourth street. Cost, \$20,200. Ten stores and dwellings, brick, 2 stories, 15x50 feet, Third and Gladstone streets.

streets. Cost, \$1,500. Office, 49x32 feet, brick, Thirtieth and Reed streets.

J. A. Ross Co. (O), 2917 North Broad street. Cost, \$500. Warehouse, 16x29 feet, 1 story, 2917 North Broad street.

Ed. Saline (O), 2541 Getz street. A. S. Kuehne (C), Glenwood avenue and Opal street. Cost, \$1,175. Dwelling, 2472 Glenwood avenue.

G. Kopp (O), 1835 Susquehanna avenue. J. P. Fallon (C), 6036 Osage avenue. Cost, \$1,750. Store and dwelling, brick, 312 South Sixtieth street.

Barrett Manufacturing Co. (O), Thirty-sixth and Gray's Ferry road. J. M. Smith & Son (C), 1425 Spring Garden street. Cost, \$1,500. Steel tower, Thirty-sixth and Gray's Ferry road.

B. Lee (O), 1838 Germantown avenue. J. McBride (C), 2754 Frankford avenue. Cost, \$800. Store and dwelling, 2754 Frankford avenue.

C. M. Wassan (O), 3019 Kensington avenue. J. Quigley (C), 1843 East Clementine street. Cost, \$350. Store, 3003 Kensington avenue.

Atlantic Dryer and Varnish Co. (O), Meadow and Wolf streets. W. G. Lehler (C), 1841 South Broad street. Cost, \$1,550. Manufacturing, brick, Meadow and Wolf streets.

Charles Dooin (O), Majestic Hotel. F. & L. Davis (C), Thirteenth and Nedro streets. Cost, \$300. Garage, frame, 1 story, 12x16 feet, Thirteenth and Medary avenue.

M. Sussman (O), 318 Market street. Cost, \$600. Store and dwelling, brick, 2 stories, 12x15 feet, 934 South Fifth street.

F. Kozokowski (O), American and Wilden streets. Rambo & Schwartz (C), 940 North Marshall street. Cost, \$785. Store and dwelling, American and Wildey streets.

W. D. Stewart (O), 522 Walnut street. J. Schuster (C), 3552 North Fifteenth street. Cost, \$300. Dwelling, 508 West Oxford street.

G. W. Jacobs (O), 1210 Walnut street. H. M. Irwin (C), 1613 Ranstead street. Cost, \$350. Store, 1628 Chestnut street.

A. G. Candler (O), Atlanta, Ga. Cost, \$3,000. Manufacturing building, 642 North Eighth street.

cago, under the leadership of the National Lumber Manufacturers' Association. The object of the meeting is to establish a permanent advertising bureau to acquaint the public with the uses and advantages over other materials of all forest products.

**The National Lime Manufacturers' Association's annual meeting will be held in Washington, D. C., February 3-4, at the New Willard Hotel. One of the object it is desired to attain is to convert the Treasury Department to the use of lime in the concrete of public buildings. The Secretary is Frederick K. Irvine, Chicago, Ill.

**Charles M. Schwab, president of the Bethlehem Steel Corporation, just home from Europe, states that the warring nations have already placed contracts in the United States for more than \$300,000,000 worth of supplies. He goes on to predict that we in this country are on the threshold of the "greatest period of prosperity in many years." "I look to see a big revival of business in every line," he said.

**At the annual meeting of the Wheeling Ad. Club, H. F. Gordon, advertising manager of the Wheeling Corrugating Company, was elected president for the new year.

**H. B. McMaster, commissioner of the Associated Metal Lath Manufacturers, who has been directing the co-operative work of the metal lath industry since 1910, has resigned to become manager of branches for the Berger Manufacturing Company, of Canton, Ohio. This concern is one of the large independent producers of sheets and sheet metal products. Mr. McMaster came to Youngstown at the time of the organization of the General Fireproofing Company, of which company he was secretary when he resigned in 1908 to become manager of sales for the rod and wire department of the Youngstown Sheet and Tube Company. He left that concern in 1910, and aside from his work with the Metal Lath Association, was manager of the Ward Nail Company, in the reorganization of which he took part, and during the year 1914 had charge of a bureau of development organized by the Association of Sheet and Tin Plate Manufacturers, primarily for the purpose of launching a national campaign of concerted promotion in the interest of the sheet metal industry.

**At the annual convention of the Face Brick Dealers' Association of America, held at French Lick Springs, Ind., last month, the officers of the past year were again elected, unanimously, to serve during the coming year. These included the president, F. Lawson Moores, Cincinnati, and Robert L. Queisser, secretary, of Cleveland.

RECENT TRADE LITERATURE.

A very interesting discussion under the subject "Proportioning Aggregates for Portland Cement Concrete" has been published by the Vulcanite Portland Cement Company in booklet form for gratuitous distribution. Text and tabulations are very thorough and should prove of great practical value to any one in this line of business.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**W. E. Stephens, architect, 469 State street, Schenectady, N. Y., desires catalogues showing stock designs in galvanized iron cornices.

**The Architectural League of New York will hold its annual exhibition in the Fine Arts Building, 215 West Fifty-seventh street, New York City, February 7 to 27. The annual dinner of the league will be held Friday evening, February 5.

**Arnold & Stern, architects, will open offices February 1 at 404 Cutler Building, Rochester, N. Y.

**The National Brick Manufacturers' Association will hold its annual convention at Detroit, February 14 to 20. William B. Wrexford, of the Detroit Brick Manufacturers' Association, in co-operation with President Eben Rodgers, of Alton, Ill., and Theodore A. Randall, of Indianapolis, constitute the committee of arrangements. The association will also bring to Detroit the National Paving Brick Manufacturers' Association, the National Clay Machinery Association, and the American Ceramic Society.

**Mark A. Lee, architect, formerly with T. Markoe Robertson, 331 Madison avenue, Manhattan, has opened offices for the practice of his profession at Rutherford, N. J.

**Mrs. Harry Payne Whitney is completing plans for the exhibition and competition to be held at her studio, 8 West Eighth street, New York City. The proceeds will be devoted to the "Fraternite des Artistes," a fund for the relief of the families of the artists of France made destitute by the war. Prizes are offered for sculpture, for sculpture and architecture combined, for decorative painting and for painting and architecture combined. The jury of awards is composed of

Paul Claffin, Howard C. Cushing, William A. Delano, C. Grant La Farge, Paul Manship, J. Alden Weir and James F. E. Fraser.

**The National Builders' Supply Association's annual convention will be held in Chicago, Ill., February 8-9, 1915. Headquarters at Hotel Sherman.

**The ninth annual Mid-West Cement Show will be held at Omaha, Neb., March 2 to 6, under the auspices of the Mid-West Cement Users' Association. The convention of cement users, for which a program of papers already has been arranged, is scheduled for March 3, 4 and 5. Further information regarding the convention and show may be had from Frank Whipperman, secretary and treasurer, Twenty-eighth avenue and Sahler street, Omaha.

**The eighth annual convention of the Chicago Cement Show will be held at the Coliseum February 10-17.

**John G. Seiner, architect, 76 Thompson street, Buffalo, N. Y., desires information and catalogues on factory construction, methods of fireproofing, metal sash and factory equipment.

**Daniel Chester French, sculptor, of New York City, has been selected to model the statute of Abraham Lincoln, which will be placed in the Lincoln Memorial Building now under construction at Washington, D. C.

**The International Association of Master House Painters and Decorators of the United States and Canada will meet in annual convention in Washington, D. C., February 9 to 12, 1915. The headquarters will be at the Hotel Raleigh. A. H. McGhan, Corcoran Building, Washington, D. C., chairman of Convention Committee.

**A conference of the lumber industries has been called for February 24 and 25 in Chi-

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., JANUARY 27, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.....{ Thomas J. D. Fuller, Washington, D. C.
 Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Brockie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John F. Harbeson
Vice-President.....Herman L. Duhring
Secretary.....Frederick A. Muhlenberg
Treasurer.....Walter Mellor
Directors—Clarence C. Zantzinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

Limiting the height of skyscrapers is not the easy task that it looks to the lay outsider. Following the discovery that these towering structures exerted a more or less depressing effect on taxable and income values of adjoining property, that they shut off light and air from whole areas on all sides, that they concentrated business activity within narrow little zones, to the serious economic injury of abounding sections, New York City appointed a Building Heights Committee to devise a means whereby these conditions could be alleviated if not permanently checked. After many hearings, much investigation and an elaborate investigation of all the facts, this Heights of Buildings Committee made its final return in the shape of a report fixing 300 feet as the limit, with a provision for additional stories above this boundary under certain prescribed conditions. That this solution, so generally applauded, has failed to solve the interesting problem of height limitation is shown by the following illuminative comment in the New York "Sun:"

"Building of skyscrapers in New York will not cease," observes the "Sun," "even though recommendations of the Building Heights Committee are enacted into law. Skyscrapers will be prohibited on narrow streets, but on wider roadways, open squares, parks and marginal ways a sheer height of 300 feet still will be permitted, with towers to any height which do not cover more than one-fourth of the building plot.

"In general these are the limitations which have been recommended and on which the Board of Estimate and the Aldermanic Building Committee are now hearing argument:

"Street walls may rise to a height twice the width of the street; after that they must be set back one foot laterally for every four feet of height.

"The restriction for the height of street walls does not operate on streets less than 50 feet wide; there the maximum is 100 feet.

"The maximum height of street walls is 300 feet; that height is permitted in buildings opposite parks and marginal ways and other open spaces.

"Towers may rise to any height provided they do not take up over 25 per cent. of the lot area and are at least 20 feet distant from the inside lot lines.

"The area of a building which may be erected on a given plot is restricted approximately to 87 per cent. for low buildings and to 80 per cent. for nine-story buildings, so that there may be yards, courts, areas or open spaces from 13 per cent. in low buildings to 20 per cent. in nine-story buildings, which must be left open to the sky above the second story. For higher buildings the unoccupied area is more, being 1 per cent. of the area for each story."

The advisory council of real estate interests in New York City, which is making an exhaustive inquiry into the effect of very high buildings, said in a recent report on the subject:

"Experience has demonstrated that tall buildings have a depressing effect on taxable and income values of adjoining property. Few skyscrapers pay large net returns, for the cost per cubic foot of tall buildings is greater than for low buildings, while they seriously affect their neighbors by impairing the value of both improved and unimproved contiguous property. The real estate interests in Boston, although originally opposed to the height limit, are to-day its strongest supporters.

"A new principle affecting American real estate is slowly being evolved, namely, a provision for light and air as a benefit to adjoining property. This is known in England as 'right of light,' and may lead in time to legal complications unless properly regulated. Special consideration must further be given to the height of buildings where there is much vehicular traffic from manufacturing and mercantile buildings, because congestion from wagons and drays might be minimized by lower buildings."

* * *

A fine opportunity to contribute his genius in exchange for sheer glory, unrelieved by so much as a shimmer of anything resembling negotiable currency, awaits the aspiring young architect in Long Island City. This is the story as narrated by a local newspaper which vouches for the facts:

"An architect who will take glory in payment for his work is being sought after by Borough President Maurice Connolly and others of Queens. Long Island City wants a new post office. The Government has selected a block front on Van Alst avenue from Ninth to Tenth street as a site for the new station.

"It now develops that the Government officials played a trick on the city officials, as it will be five years before attention can be given to the Long Island post office, so far behind is the Government in the matter of new buildings.

"If the Queens boosters can get an architect to donate his labor on plans they will receive consideration from the Washington Government and work on the post office might be started sooner than five years. So the search is on for a man who prefers glory to dollars."

Seriously, what is to be thought of a Government which having repealed the admirable Tarsney measure, under which plans for work of this class could be had by competition, is too niggardly to provide its Supervising Architect with a staff adequate to the demands upon his office? Is it a subject for wonder

that intelligent foreigners find us crude in many things?

* * *

J. W. Lieb, vice-president of the New York Edison Company, pays an eloquent tribute to the role played by modern engineering in the development of present-day progress.

"Let us imagine," write Mr. Lieb, "that our friend has arisen from his modern bed in an uptown apartment house, and turning on the electric light has begun the day, even before his prayers, by using one of the earliest results of electrical engineering, which makes the home habitable in the absence of nature's supply of daylight. The furnishing and decorations of his bed room represent many lines of engineering, and the bath room, with its supply of cold and hot water, which he finds ready to his hand, has involved far-reaching studies and work in the development of mechanical and sanitary appliance to secure and safeguard the water supply, to heat it, and also to provide for the removal of the waste from the building he occupies and from the city itself. His shaving apparatus, the morning paper delivered at the breakfast table, his breakfast itself, gathered from the ends of the earth by our modern transportation systems, all owe their inception and development to the work of the engineer. The telephone on its table, connecting him with the numberless activities over thousands of miles of country, is within ready reach of his hand. Mechanical refrigeration has kept his grapefruit, milk and butter chilled to the proper point. The coffee and toast are prepared with an electric heater, while the breakfast itself has, more than likely, been ordered by telephone.

"Descending to the street, he perhaps uses the elevator, and again finds himself depending for convenience upon an engineering development, the result of more than fifty years of detailed invention and skill. The apartment house itself is, of course, an engineering monument of greater or less magnitude. Reaching the street, he passes out upon the sidewalk, the construction of which is a matter of engineering development only exceeded by the street pavement over which he next passes. Below its smooth surface are the foundations supporting it, which, although unseen, have much to do with its stability and usefulness. He might reflect on the engineering skill and care which has been, at various times, displayed in the mapping and laying out, surveying and construction of the very street upon which he walks, and below the surface he might imagine he could see the labyrinth of piping, ducts, conduits, etc., conveying the now numerous conveniences of public service on which so much of the city life is now dependent. None of these is visible, yet their development, construction and operation have occupied the care and attention of a great army of technical workers. The mere construction of the piping and ducts upon which these public conveniences largely depend is a matter of less than one hundred years, and there still lies beneath many of the older streets of the city which our friend

must approach in reaching his place of business some of the wooden piping of the city's first fresh water supply, the pioneer of the present maze of conduits carrying the present water, gas, steam, air, refrigeration and, above all, electricity to the homes and work places of the people. The bridges across the East River symbolize another line of engineering development which has had far-reaching results in the distribution of population and on our local transportation systems.

"If he rode downtown by surface railway his mind would recur to the successful developments of this means of transit from the old horsecar to the modern electrical 'battle-ship' car. Or if he took a motor bus he would scarcely fail to contrast its convenience with the old lumbering buses of the Broadway line. Arriving at his office we may presume that he would be struck with the immense amount of engineering work and development which has been embodied in the construction of the skyscraper, which has most recently taken the place of the humble brick building of a century ago or may have been substituted for some more modern structure in which a less amount of convenience existed. The founda-

tions carried deeply down to rock, the masses of concrete, the slender steel framing and the light but strong terra cotta lie hidden within its outer finish of terra cotta and stone, each element forming a continuous course of invention and development. Inside every feature of convenience of the modern building is practically the result of engineering study and forethought and in a way the building itself is a vertical model of the city with all the main lines of service which engineering thought and construction has provided. The heating, lighting, the elevators and sanitation are all matters upon which the success of the building now depends and the lack of which rendered the opportunities of our predecessors more restricted and their lives less convenient, comfortable and perhaps less happy. The work of the chemist and metallurgist in the development of the steel industry does not show on the outside, but our engineer would not fail to see the debt which all modern construction owes to those who have brought one of the most valuable of the earth's products to a point of cheapness where it can be used for practically every construction."

* * *

Art criticism, as practiced by the bespectacled and owlsh persons who cover this phase of the quotidian activities of the average daily newspaper, has become a thing fearful and fantastic to contemplate. Witness these hectic, halcyon and vociferous paragraphs from the "art" columns of our venerable contemporary, Mr. Cyrus H. K. Curtis's "Public Ledger:"

"They are still discussing in art circles the lively debate on modern art tendencies that went on at the Fellowship the other evening, and, naturally, those who have agreed to differ still do so, though it was very obvious that the alleged failure of the representative phase of art of all time to convey

emotions, which is the chief indictment which the cubistic-futuristic apologists make against past and current art, was not demonstrated in any overwhelming way, while the 'modern' pictures shown on the platform carried their own condemnation despite the glamour of a meretricious philosophy or the fine dust of a magical formula of strange jargons and nomenclatures thrown over and about them through which one is supposed to apprehend their message.

"For, of course, they have a message; not a message of an inspiring work from a master hand, not the message of a Velasquez or a Van Dyck, or a Raphael, or a Rembrandt, but, seemingly the kind of message which led the habitual churchgoer to say that she did not know whether the new minister preached sense or not, but she was quite transported by the way he pronounced that 'blessed word Mesopotamia'! Mr. Schamberg's elaborate study in words was of the Mesopotamian order. Analogies from ancient Scotch physicists, microcosms from a De Casseres, a modern philosopher of uplifting views, and a very strong organ point, full pedal, the brass and wood wind in tutti, key of B flat, on harmonies and vibratory phenomena, including Schoenberg and the boy prodigy, Korngold, to say nothing of the grand procession of the syllabaries of incantation, on the principle of 'when everything fails quote Maimonides and mysticism,' were all served up to prevent any one getting at the physical actualities of the imitations of immaturity, which are the products of the movement. Miss Georgianna G. King, who learnedly and very properly ran over the history of the movement, revealing a knowing grasp as to the immediate personalities and a sympathy with their work that gave a sense of their current importance, at the same time also seemed to feel it necessary to refer to radium and the 'fourth dimension' hypothesis of physicists and the higher mathematicians when neither the facts as to radium nor the logarithmic significance of the differentials of the fourth dimension has changed the outward aspect of the beauty

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

EVERYBODY WANTS TO USE ELECTRICITY

If Architects and Builders would keep this fact in mind, they would never design or erect a building of any description which was not wired and equipped for Electric Service. Electric Service means not merely light—it makes possible as well the use of all manner of labor-saving devices, whether the building be a cottage, mansion, office building or factory.



that inheres in human beings and nature at large one whit.

“Illustrating also our supposed difficulties in apprehending the new art, the speaker referred to her own earlier difficulties over Japanese prints. Well, the great fact in art history is that no Occidentals found any difficulty over Japanese art at all. In France, pace the De Goncourt memoirs, it became the craze, passed to Germany and to England, reached its culmination so far as the general public went in the 80's and met the appreciation of gentle satire finally in ‘The Mikado.’ The exact and amazing presentation of the small forms of nature, uoral and animal and human, by Hokusai and his contemporaries, which would enable a naturalist to identify bird and flower, and the almost photographic treatment of sea and lake and sky and mountain backgrounds, no matter what the fantasy of their arrangements, for decorative purposes on screen, fan, jar and scroll, presented no difficulties then or now. Consequently there is nothing analogous in the Western world's attitude to Japanese art, which it absorbed with avidity, and its failure to see anything in ‘A Nude Descending the Steps’ save charlatanism.

“Wagner, too, is dropped on by all the writers and talkers on ‘Futurism’ in a way that the facts of his controversial existence, for he was a revolutionist, an anti-Semite, as well as a musician, hardly justify, but after all, it was not the sane study by Miss King that the devotees want to hear. What they liked was the ‘radium and fourth dimension’ patter, for, curiously enough, all sham movements in art and literature that have made no real contribution to thought have ever had such a recourse to cover up the poverty of their achievement with the tinsel of a gaudy

and gauzy verbiage. As for the ‘fourth dimension idea,’ Home, the famous spiritualistic humbug, used the fine phrases of higher physics to fool the Berlin scientists by his disembodiment experiments. He is embalmed in Browning's ‘Sludge the Medium,’ while the one man best known to Philadelphia as a dealer in mystical phrases was the famous Keely of Keely's motor. This egregious character had the unctuous clatter of ‘harmonic and etheric’ marvels at his tongue's end. His method is apparently thought well worth imitating by those who feel that the abracadabra system of art needs the elephantine lucubrations of tumescent phrases to carry emotional meanings where the canvases fail. As was once said of another matter, the fine art of decoherence in art is to pose with all the assumptions of a prophet of a new dispensation, with all the preliminary humilities of an apostle with a willingness for martyrdom,

and by developing a new incantation formula from the fragments of our common tongue uncommonly used, to confuse the issue. Indeed, when you really get down to it, much of the Picasso-Picabia-Duchamps defense is merely ‘solemn and ponderous flapdoodle!’ The real artist in words does not believe language is given to conceal thoughts as Metternich—or was it Beaumarchais?—said, but with an exquisite sense of synonymic distinctions reveals the actualities of beauty through the inevitable word in the inevitable thought.

“And so it is with painting and sculpture the domain of form, design, line and color. One seeks the true revelation, not confusion. And be it remembered, Emerson advised every one to hitch his wagon of endeavor ‘to a star,’ not to nebula!”

* * *

A regular tumult in taffeta, as our old friend, A. C. Wheeler, would say.

ARCHITECT AND CLIENT

A Straight-forward Exposition of What the House Builder Has to Expect of His Architect, and What His Architect is to Expect of Him

Very little progress can be made without a lot to build on—lot in this instance meaning land. Be sure that the site has no underlying ledges or springs. Then consider the natural drainage, compass points, prevailing winds, views and trees, width of the street and sidewalk. If an independent water and sewage system is necessary, they must be placed to avoid contamination, and the source of the water supply examined, and a chemical analysis made to determine its purity.

The house should be planned and located on the lot so that the houses that may be built on either side of it in the future cannot be set too close or cut off its light or view. The building restrictions in your deed should cover this.

The plan of your house is somewhat a matter of personal taste and habit. Eccentric plans are not advisable for small houses. You may outgrow them, and then it is hard to find a purchaser with the same requirements.

There are certain well-known and proven schemes that will always work out to the best advantage for the average family. One of these is the Colonial plan: the front entrance door and hallway in the center, with the dining room and kitchen on one side, and living room and reception room on the other. Such a plan is regular in shape, less expensive and more easily built than a house with winding passages and ells with complicated roof lines. There are certain rooms that should be located with regard to the compass points; the dining room on the east or southeast, to obtain the morning sun; the living room face the south, southeast or west, or run east and west; the kitchen on a corner to obtain cross ventilation, while the halls and less important rooms oc-

cupy the space remaining. In country residences located upon main highways it is sometimes advisable to place the living rooms at the rear to obtain privacy and an opportunity to develop the grounds with gardens and lawns. On small lots the rear outlook is usually on your neighbor's back yard. This you can control to a certain extent by planting hedges and growing vines on trellis work, thus planting out any objectionable features and screening others within your own property lines.

Styles in architecture are many and varied. In different sections of the country we find them adapted to the climatic conditions, topography, and the natural building products. Some architects think the style of the house should be governed by the contour of the land and surroundings. Usually there is some determining feature that is very apparent to the trained architect. A house built in the country surrounded with large trees should have strong and vigorous detail and heavy horizontal lines to contradict the vertical effect given by the trees. Near the seashore houses of rambling character are usually the most effective, while in flat, rolling country, a house of almost any type can be adapted, as it is governed by nothing except its neighbors. A great deal depends upon the roof of a house. It should usually be assertive enough to contradict any vertical lines, but not enough to be top-heavy. In New England we find many fine Colonial houses, mansions and farm houses with a wonderful charm to their simple detail, and about them an air of thrift. In the South, low and rambling, one-story houses and two-storied porticoed mansions, some with double-decked piazzas, suggestive of the les-

sening of activities and comfortable refuge from the heat. In the extreme Southwest, the old Spanish missions have furnished the motif for many interesting types that awaken a feeling of romance and border warfare. Sprinkled through the country we also find Swiss chalets, English cottages with stucco and half-timbered gables, Italian villas and houses of German adaptation, and many very attractive ones of purely American origin that are indicative of the vastness and youth of our country and its mixed population.

If the lot is large enough so that a screen of trees can be interposed between two houses to prevent comparison, any type of house may be built, for its particular beauty of style can then be exhibited properly without clashing with its neighbor.

An architect who has studied the history of architecture and is familiar with the various styles does not produce monstrosities. He is particular to keep his designs in the style they belong, without making a faux pas of it.

The architect's fee is usually six per cent. of the cost of the house, for the plans, drawn to a scale of one-quarter of an inch to the foot, the specifications, scale and full-size working details, supervision, plus traveling expenses to the work from his office and consultation fees for advice in connection with any unusual contingencies. It is not customary to charge more than the minimum rate of six per cent. on the total cost of residential work, except for special cabinet work, decorations, special features and furniture, which are charged for at the rate of ten per cent. Alterations to existing buildings are usually taken at the rate of ten per cent. of their cost; and in cases where new buildings require many detailed drawings, as in the English type or Swiss chalets the commission charged is frequently eight and ten per cent.

The architect's first sketches are on thin paper, in pencil, which are revised at the client's suggestion, until finally approved by him. Then the working drawings are made, from which blue-prints are taken; these are furnished to the contractors to estimate upon, and later for the men to build from.

The extent to which the success of a house depends upon the architect is seldom realized by the client, who soon forgets, once the house is started, the tedious hours the architect spent working out the plans and revising them until the minutest detail was provided for. With the complete working plans, the builder is able to execute the work properly and expeditiously. If he is a careful man he will employ a careful foreman, and, as in any other business, he will oversee and direct the work in accordance with the plans, details and specifications furnished him for that purpose. The architect is not a foreman, but an advisor, and, to gain successful results, both the owner and builder must co-operate with him. Because you are the owner, do not attempt to boss the job, as the builder may be only too glad to have you assume the responsibility that goes with his authority, and consequently all the mistakes. It is disorganizing to any business and leads to conflict when

there are too many bosses. The architect has learned, by experience in building, many things that are not known to the average layman.

The above conditions enter into the small house problem more than they do into the larger houses and more important work. Sometimes exasperating delays occur, caused by one sub-contractor being delayed finishing work elsewhere before he can move his men, or the material men are slow about delivery, or something happens at the mill, and the finish is delayed, which naturally causes the owner to worry; but it is so in every business to-day. The efficiency of the contractor is not under the architect's control; that is unfortunately determined by selecting the lowest bidder in some cases.

The contractor is employed by the owner to execute a contract through the architect, who acts as the owner's agent, but without any impartiality. The completed plans are usually given to five contractors for competitive bids, and usually the contract is given to the lowest bidder. If the five bidders are equally reliable, this is a safe method; but if two of the five are, perhaps, men who do a cheap class of work, their bid may be ridiculously low compared to the others. Sometimes the low bidder discovers after starting the work that he has figured too close to the cost to perform the work as required with any profit to himself.

This mistake is likely to cost him several hundred dollars, and he will, of course, endeavor to save this amount wherever he can see an opportunity, unless the architect observes every deficiency and has it corrected. Therefore, it is customary to insert in the specifications this clause: "The owner reserves the right to reject any and all bids," so, if he wishes to, he can advise that the contract be awarded to the next lowest bidder, or to the man whose ability and reputation are the best.

Many houses are being built to-day on what is called the percentage plan. This is similar to the old method of building a house "by the day." I have developed a new way that has worked so far very well.

The contractor agrees to erect the building for from ten to five per cent. of its cost—the percentage is smaller as the cost increases—and agrees that its cost will not exceed a fixed amount, which is determined by conservative estimate. This assures the builder a legitimate profit—which he deserves—and in return he is to give his attention to pushing the work, purchasing the material specified as cheaply as possible, taking all discounts and favorable terms, subject to the approval and directions of the architect. I check this system by having a printed form, which the foreman reports on each day, giving the number of men at work (not under a sub-contractor) and all material received at the job that day. The supervising architect or his assistant checks that list each day. At the end of the month the material bills come in and are checked against the daily reports. The lowest market rate for the material is

checked and the bills paid when correct. Usually the sub-contracts for plumbing, heating and electric wiring are let, at a fixed price, with a schedule of unit prices for any extra work, while all the other items are put under a general contract on the above basis. The method insures a first-class job at the lowest cost, if the method is carried out and the work pushed, as the control is vested in the owner through his architect. I have tried this scheme even on a large steel and concrete commercial building, and had it work perfectly.

The business should be handled through the architect, the builder addressing the owner through the architect, or the owner the builder in the same manner. Monthly payments on the work should be made direct to the contractor upon the certificate of the architect to enable him to pay and discount all bids, as in any other business.

The superintendence is one of the most important duties of an architect. The plans and details may have been carefully prepared, but, through careless workmen, costly mistakes will occur in their execution unless their interpretation is carefully watched and continually explained by the architect. Such mistakes can only result in loss and annoyance to all the parties concerned; therefore, an extensive knowledge of the dozen or more trades, practices, materials and the cause and effect of mechanical forces are essential to the architect's training. He should also be a just and impartial referee between the owner and builder.

To a familiarity with details must be added quickness of perception and soundness of judgment that make it impossible for any faulty work to escape his notice, and to guard against any waste of effort or of time; and, having rendered a decision that is in accordance with the contract and specifications, he must adhere firmly to it. To trust too much to the generosity of the owner or to the liberal intentions of the builder is a mistake.

There must be a clear understanding as to what the owner is to receive from his builder, and also what is due him from his architect set forth in a written contract. The contractor should clearly understand that the work is to be done strictly in accordance with the drawings and specifications; that the materials are to be exactly as specified; the workmen are to be competent, and that the builder himself shall exercise care and watchfulness to prevent errors, as well as having a competent foreman in charge of the work at all times. Any material not in accordance with the specifications which is delivered at the work shall be rejected and removed at once, and any work not in accordance with the drawings and details or specifications shall be demolished or removed before crowded aside or covered up with other work; this is covered by contract and specifications.

With a good feeling of co-operation established between the contracting parties and the architect, the work should proceed smoothly. Decisions should be promptly and impartially made, and all such decisions, no-

tices and orders issued in writing, and handled in a businesslike way from the office of the architect, who, if up to date, will keep proper accounts of the cost of the work—that is, the amounts contracted and the amounts paid to each contractor as the work progresses, rendering a statement of the same to the owner each month, so that he may at all times know its cost.

It will be advisable for the owner to take the time and trouble to visit the architect's office frequently and examine the drawings and details of the construction of the work, so that he may clearly understand what they are intended to represent; and, by comparing sizes of rooms, doors and stairs, he will not be disappointed as they assume shape and proportions during the erection of the building, or want to change them to conform to recently obtained ideas. This does not mean that the owner should spend daily in the architect's office two or three hours having him explain all the details that enter into his business, or into the general construction of a house. After the owner and his family decide that the plans are exactly what they want, they will be saved the cost of many extras from the changes due to their lack of comprehension in the first place, which are a menace to the work, as well as expensive and confusing.

After signing the contract, arrangements are usually made for the architect, owner and contractor with a surveyor to stake out the house in its proper position on the lot. When this is done the excavation is started, and the work may be said to be fully under way.—“House and Garden.”

QUANTITY ESTIMATING.

There is a movement in certain circles to establish a system of quantity taking, by men adequate for the purpose, and whose figures and estimates will be in a measure dependable for correctness. This is the method usually adopted in most European countries, and after being employed for a great many years has been found to be the best method yet devised for obtaining cost of buildings of all kinds. Men are trained for the purpose, and in some countries undergo a rigid examination before they are permitted to practice, and they must take out a license with the number of their certificate attached, which is a guarantee they have had the necessary training, and therefore are supposed to be well fitted for the purpose. This system for having quantities taken is not only a great convenience to contractors, but a great help to owners, as the costs given them are so nearly correct that they may be depended upon, and it cuts off the usually dreaded “extras” that so often become factors of importance in the furnishing of contracts.

We have often wondered why the system of employing quantity-takers was not adopted more freely here. True, many architects and contractors employ their own men for the purpose, but this does not always work

satisfactorily. The writer has often been employed for the purpose, and made many hundreds of dollars, but, as the work was not regular or continuous, he worked under many disadvantages, such as not having catalogues up to date and properly classified, no reliable memos of the shifting of wages, raising and lowering of prices of materials, railroad charges, market fluctuations, many other things that will occur to the reader. A man in this business who intends to follow it should have a well stocked office, with abundant shelves for catalogues, notes of cost of all sorts of odd work and other matters pertaining to his business. He should be well equipped with all sorts of current architectural books, and particularly those dealing with estimating or with building materials of any kind. He should also know all about the building laws of the State, and the municipalities, the prices for excavating, earth moving, and dumping rules, and labor customs. Many other things that will suggest themselves to the experienced reader. Architects may make mistakes, but a quantity surveyor must not, this is imperative—the errors of the former may be adjusted on paper, but when the figures of the latter are once accepted, and the contract signed, the agreement is as fixed as the laws of the Medes and Persians, and any change made in them must be mutual and may be the cause of much inconvenience, trouble and loss.

The introduction of the quantity surveyor in the building trade of this country, would insure much more uniformity in the prices of work tendered for, and the owner or owners would more likely get full value for what they pay, than under the old system. The cost figuring would not be left to incompetents, or to persons whose duty seems to be to make the owner pay for every doubt—and a big price at that. Guess work would be eliminated from the figures. I have found in my experience that young women trained to some extent in figuring on quantities and cost of labor and materials in buildings, are often much more clever and keener than men, and as their knowledge extends their efforts increase in value.

Who is to pay the cost of this new factor in figuring? As a set off, it might be asked, who pays the bill under the existing method? The owner, of course, pays for one estimate in every case, for it is usual for estimators to charge up the cost of the work of estimating, and the price is sometimes very high. We have known it as high as 3½ per cent. on the bulk. It is no hardship for the owner to pay for the estimate, for in return he gets reliable figures of his expected outlay, and his contractor gets exact quantities of the materials he will be expected to supply to complete the work. From these he can figure the cost, and thereby be in a position to figure closely. Sometimes the wide awake builder may be able to buy a little better than the market rates, in bricks, stone, lumber, hardware, glass, etc., and this will permit him to cut down his tender to the winning point.—“National Builder.”

NEW IDEAS, MATERIALS AND DEVICES.

Diston Saws:

A most interesting booklet has just been issued by Henry Disston & Sons, Philadelphia, Pa., the subject being “How a Disston Hand Saw is Made.” The various operations from the manufacture of the steel to the final handling, packing and shipping is described in detail. The booklet will be of interest to every one who uses a saw, as it will show the infinite care taken in every step of the process by the Disston Company.

The booklet is interesting as showing how much of the work is skillful hand work, indicating the care which is taken to have every saw perfect in every respect. This booklet will be sent to those who care to learn more how their tools are made.

* * *

Beaver Wall Board:

The use of Beaver Board, made by the Beaver Company, 202 Beaver Road, Buffalo, N. Y., has become so general that the manufacturers have seen fit to get out a number of valuable and instructive booklets. One of these, entitled “Beaver Board Handicraft,” shows many useful and artistic household articles made from Beaver Board such as screens, sewing tables, waste baskets, portfolios, book racks, shirtwaist boxes, medicine cabinets, doll houses, etc. Complete instructions are given for making these various articles and the amateurs will have no difficulty in fixing them up in the most artistic manner.

Another booklet gives the specifications for painting Beaver Board, giving a wide variety of finishes.

There are so many places where Beaver Board may be used that a much larger booklet shows a few of its applications. The Beaver Company advises us that they will be glad to send to our readers the particular books which they can use to advantage and will advise them regarding any particular job which they have in mind.

* * *

Standard Mixers:

These concrete mixers are very simple in design and are completely assembled ready for operation when they leave the factory.

Another important feature of these mixers, they are designed so that the drums are charged low at the base. By being built so low, that direct charging from the barrows save the need of having a loading skip. The point of charging is only 24 inches above the ground.

The Standard Mixers have many other characteristics which are distinctive of this make.

By conferring with the manufacturers, the Standard Scale and Supply Company, of Pittsburgh, Pa., with branches in New York, Philadelphia, Chicago, and Cleveland, they will be very glad to send information and illustrations of their big line of mixers.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son,
11th and Ontario sts., Phila.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Chas. Warner Co., Land Title Bldg., Phila.
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

F. E. Carpenter Co.,
868 Postal Bldg., New York City

Flag Poles (wood and steel).

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Floori_g & Mfg. Co., 9 S. 18th st.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

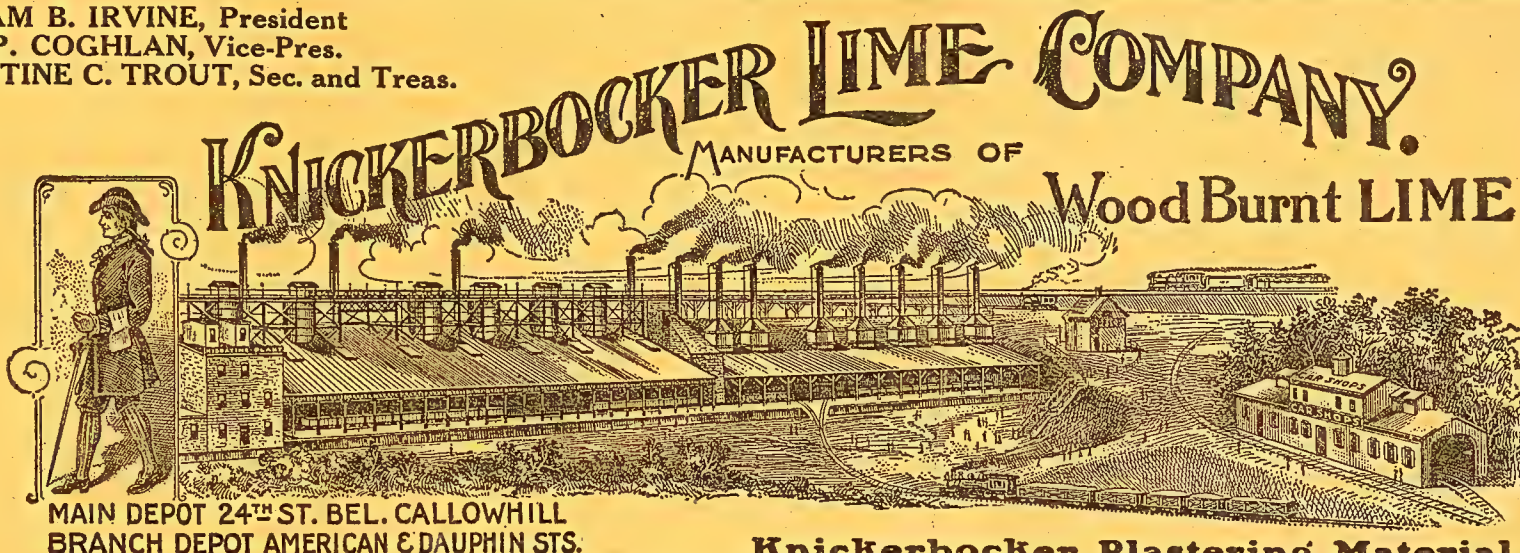
Rough Texture Brick in Golden, Gray and Red Groups

WILLIAM B. IRVINE, President
JOHN P. COGHLAN, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF
**Builders' and Ornamental
IRON WORK**
Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.



THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 5.

PHILADELPHIA, WEDNESDAY, FEBRUARY 3, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



"Quality First"
**PEERLESS
MORTAR COLORS**

Brightest
Strongest
Unfading

Manufacturers also of the Famous
BUCK WHITE LEAD—A combination white paint
CROWN PAINTS—Ready mixed, semi-liquid, paste
COLORS—in oil, Japan, distemper, dry
VARNISHES—Elastic, durable, lustrous

We Set and Sell
TILES, MANTLES, FIREPLACE FIXTURES

SAMUEL H. FRENCH & CO.

York Ave., Fourth and Callowhill Sts.
Established 1844 **PHILADELPHIA**

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

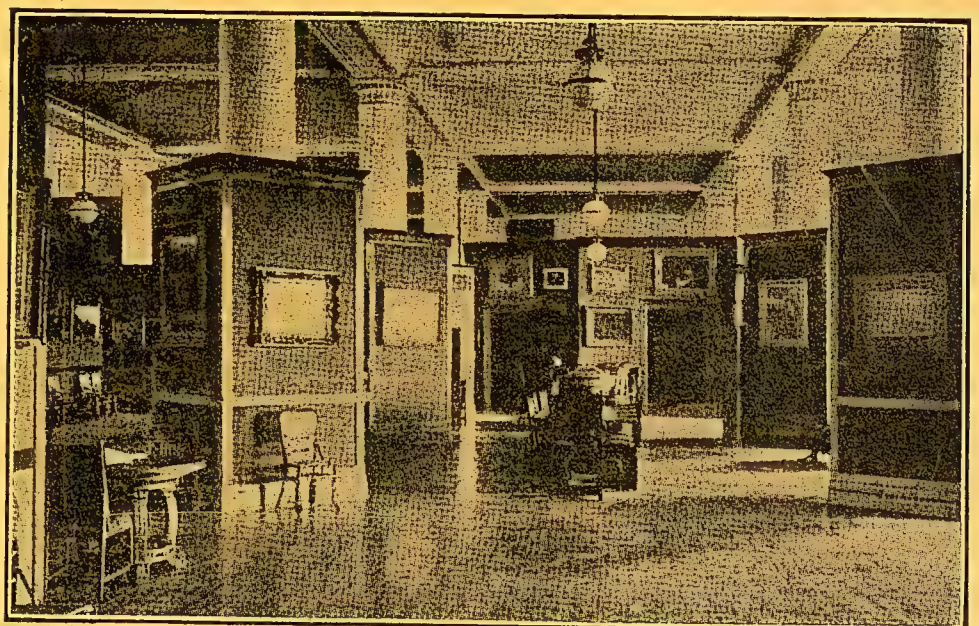
Correspondence Solicited.

Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City



COMPO BOARD

THE GREAT SUBSTITUTE FOR LATH AND PLASTER
Quick and Clean Partition Work.

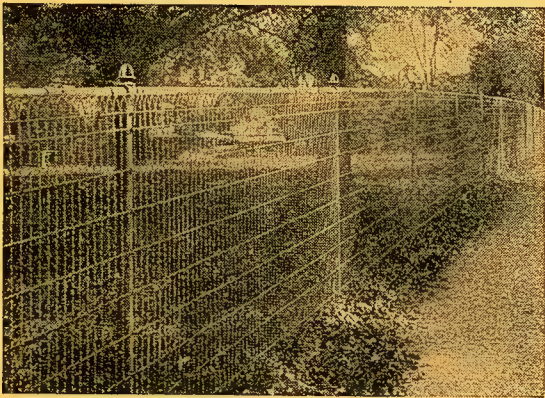
The Original and Real Article. The only board, a repeater. Sample will
convince you.

SEE OUR EXHIBIT AT THE BUILDERS' EXCHANGE

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens **ANCHOR POST FENCES**

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

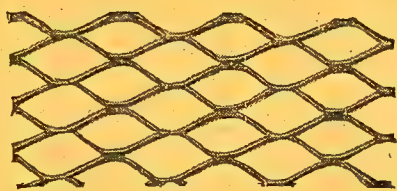
In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.



Catalogues for the asking
Anchor Post Iron Works
W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.

DESIGNS DETAILS
CHAS. H. KOHN & CO.
Structural Engineers
1614 CHERRY ST., PHILADELPHIA
Bell Phone, Spruce 66-33

"BILCO" Expanded Metal Lath

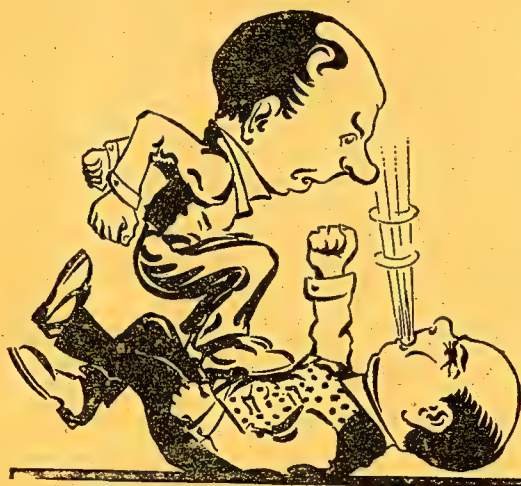


"Bilco" Diamond Mesh is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,
"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the **Daily Building News**

Reliable, verified, advance building news concerning work in Philadelphia, Eastern Pennsylvania, Southern New Jersey and Delaware.

Let our representatives show you the merits and utility of this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges
Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.



Money in "F-S" Products is money saved.

When you specify "Alba Flint Enamel" you protect the purchaser—not only in initial expense but in the long run. One coat covers like two of many others, and the enamel has a reputation for strength of body and great durability. It flows freely and dries with a brilliant, substantial gloss. It is suitable both for outdoor and inside work.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(110)

WARNER "ALCA" LIME

Trade Mark
(PATENTED)

A perfect and most economical cementitious material for all-around use in mortars, stuccos and in plasters, inside and outside.

Prepared with and without hair.

A reasonably quick hardening, highly plastic, hydrated lime, ready for immediate use for all purposes.

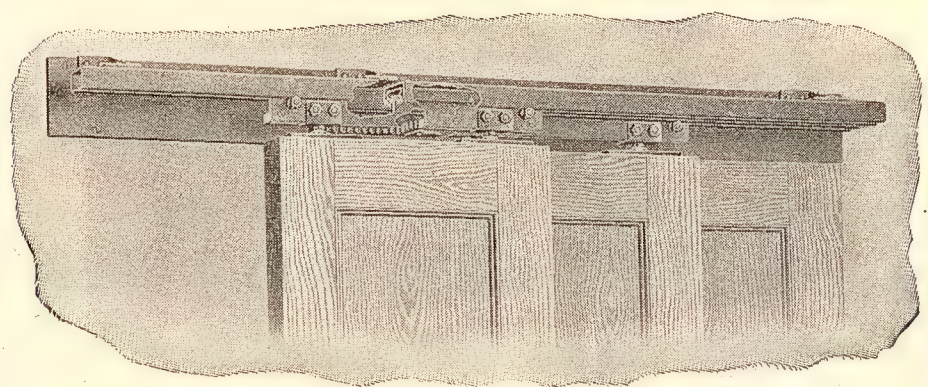
Contains the good features of Portland Cement, Gypsum Plaster and Cement.

Send for Trade Bulletin on Warner "Alca" Lime and for further information consult

Charles Warner Company
Philadelphia, Pa.

Wholesale Office, 810 Land Title Building.
Retail Yard 30th and Spruce Streets.

IDEAL Elevator Hanger



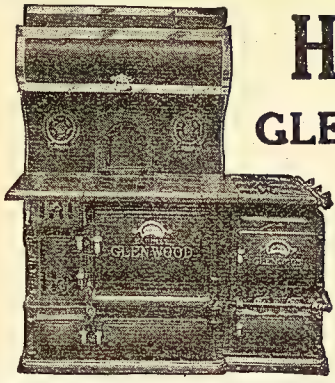
IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
 Roofing and Floor Tile
 Sewer Pipe and Flue Linings
 and Slaters' Tools

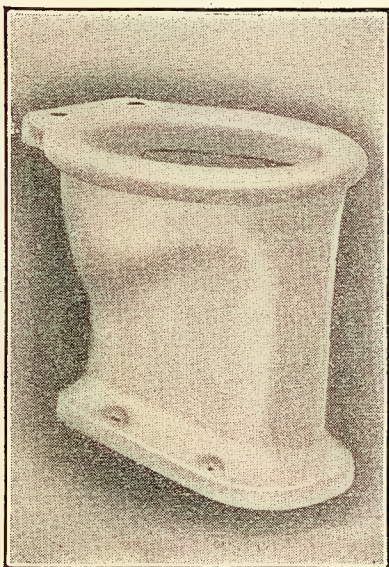


Plate 515 D

"CAPOCO"
 Sanitary Vitreous Earthenware
 Extra Heavy Vitreous
 China Washdown Hopper.
 This closet is especially
 constructed for Factory and
 public use, where hard use
 is expected.

CAMDEN POTTERY CO.
 Camden, N. J.

Phila. Show Rooms: 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
 Patented February 17th, 1914

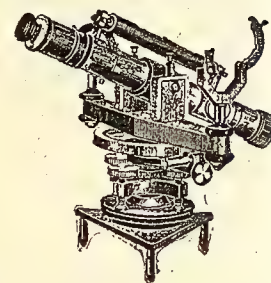
The advantages of Scammell
 Expanded Metal Lath are
 greater strength, increased
 durability, smaller mesh, ap-
 plied parallel with the furring,
 no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
 Furring and Lathing

Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
 tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
 shade and cap. Clamp and tangent to vertical axis,
 horizontal circle to degrees,
 by vernier to 5 minutes.

Other transits from \$15
 to \$115.

Serviceable.

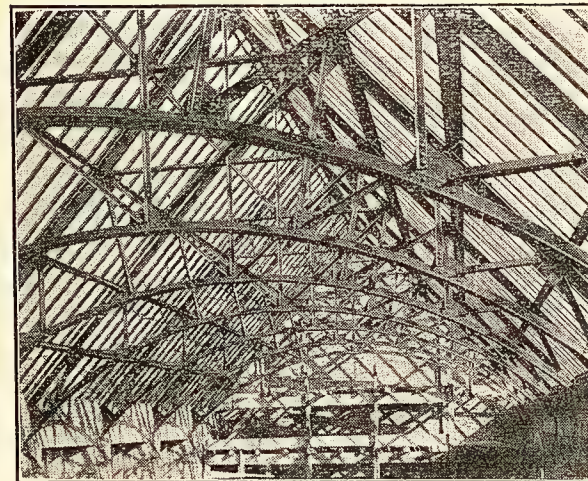
Durable. Will hold adjustments

F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278

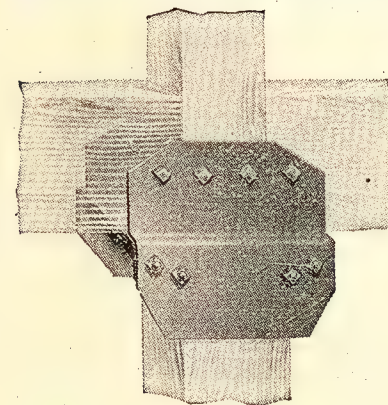


W. E. WARK CO.
 1737 Filbert Street
 Philadelphia

Contracting
ENGINEERS

Structural Steel
 Steel Towers
 Ornamental Iron
 Work
 Concrete Designs

BUILDERS' SPECIALTIES



DUPLEX STEEL POST CAPS
 and **HANGERS** are Labeled and
 Approved by the National Board
 of Fire Underwriters.

Duplex Post Caps	Duplex Post Bases
Wall Plates	Joist Hangers
Wall Hangers	Wall Ties
Cleanout Doors	Ash Drops
Joist Anchors	Stone Anchors
Joggles	Cellar Doors
	Concrete Inserts

All Carried in Stock for Immediate Shipment

Write for Catalog and Discounts

Bell Phone:
 Spruce, 24-43

BUILDERS IRON WORK CO.
 217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
 Race, 26-32

BAIRD-OSTERHOUT CONSTRUCTION CO.

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 5.

PHILADELPHIA, WEDNESDAY, FEBRUARY 3, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Warehouse, Algon and D streets, Philadelphia. Architect and engineer, M. Ward Easby, Crozer Building, Philadelphia. Owner, John Maneely. Brick, 1 story, 115x200 feet, slag roof. Plans in progress. Engineer will take sub-bids.

Store Building (alt. and add.), 1624 Chestnut street, Philadelphia. Architects, Stuckert & Sloan, Crozer Building, Philadelphia. Owner's name withheld. Brick, 3 stories, steam heating, electric lighting, oak floors. Architect taking sub-bids.

Garage, Girard avenue and Felton street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, W. T. Wallace, 1327 South 57th street. Brick, 1 story, 100x125 feet, slag roof, steam heating, fireproofing, electric lighting. Architect has received bids.

Apartments (9), Sixty-third and Chestnut streets, Philadelphia, \$34,000. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets, Philadelphia. Brick, 2 stories, 16x65 feet, slag roof, hot water heating, electric lighting, oak floors. Work about to be started.

Bank Building (alts.), Germantown and Cheltenham avenues, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, Germantown Trust Co., on premises. Consists of new balcony, cabinet work, metal lath, brass railings. Architects have received bids.

Parish House, West Penn street, Germantown, Philadelphia. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owner, Trinity Lutheran Church, on premises. Brick and stone, 2½ stories, 40x60 feet, slate roof, steam heating, electric lighting. Architect has received bids.

Store and Dwelling (alt. and add.), 1020 Pine street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Jacob I. Weinstein, Drexel Building, Philadelphia. Brick, 3 stories, 20x75 feet. Plans in progress.

Library, Wayne and Hunting Park avenues, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Free Library of Philadelphia, Thirteenth

and Locust streets, Philadelphia. Brick and stone, 2 stories. Plans in progress.

Residences (16), Fortieth and Westminster avenue, Philadelphia. Architect, private plans. Owner, H. Yacknitz, 1202 North Seventh street, Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, steam heating, electric lighting. Plans in progress. Owner will take sub-bids.

Factory (add.), 1617 to 1623 Melon street, Philadelphia. Architect, Werner Trumbower, Crozer Building, Philadelphia. Owners, A. F. Bornot & Bros., Seventeenth and Fairmount ave, Philadelphia. Brick, concrete floors, 3 stories, 53x56 feet, slag roof, steam heating, electric lighting. Plans in progress. Architect will take bids in one week.

Coal Pocket, Swanson and Wolf streets, Philadelphia, \$15,000. Architects and builders, Koelle-Speth Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Morgenthau Bros., on premises. Concrete and wood, 34x168 feet. Builders are taking sub-bids.

Cottages (6), St. Martins, Philadelphia. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Brick and plaster, 2 stories, 16x45 feet, electric lighting. Plans in progress.

Residence (alt. and add.), 1505 Allegheny avenue, Philadelphia. Architects, Koelle-Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Burns & Lehmuth, care of architects. Brick, 3 stories, 20x75 feet, slate roof, hot water heating, electric lighting. Architect taking sub-bids.

Store and Residence, Twentieth and Tioga streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick, 3 stories, 60x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Moving Picture Theatre (alt. and add.), Point Breeze avenue and Earp street, Philadelphia. Architect, C. E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick, fireproof, 1 story, 36x90 feet, slag roof, steam heating, electric lighting, tile floors. Architect taking bids, due

February 5th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; A. Whitehead, Inc., 1624 Latimer street; Thos. C. Trafford, 1613 Sansom street; I. T. Shoemaker, 1309 Walnut street; Freund-Seidenbach Co., Bulletin Building; E. J. Kreitzburg, 1345 Arch street, all of Philadelphia.

Contracts Awarded

Office Building, Thirty-sixth and Gray's Ferry road, Philadelphia. Architect, private plans. Owners, Barrett Manufacturing Company, care of Mr. Kelly, Land Title Building, Philadelphia. Brick, 2 stories, 42x122 feet (roofing, heating and lighting reserved), composition floors. Contract awarded to A. R. Raff, 1635 Thompson street, Philadelphia.

Church, Sixtieth and Westminster avenue, Philadelphia, \$23,000. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owner, Gethsemane Lutheran Church, care of Rev. J. H. Main, 1225 North Sixtieth street, Philadelphia. Stone, 1 story, 48x82 feet, Sunday School 30x60 feet, slate roofs, steam heating, electric lighting. Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Boiler House and Laundry, Foulkrod and Willow streets, Frankford, \$4,000. Architect, private plans. Owner, Quality Laundry, care of W. W. Stewart, on premises. Brick, 1 story, 95x33 feet, 15x36 feet, slag roof, electric lighting. Contract awarded to Rush Bros., 1100 Filmore street, Frankford, Philadelphia.

Laundry, 2326 West Cumberland street, Philadelphia, \$2,400. Architect, private plans. Owner, S. Wright, on premises. Brick, 1 story, 18x110 feet, slag roof. Contract awarded to William Freisby, 2553 North Fifth street, Philadelphia.

Store and Factory (alt. and add.), 1228 Chestnut street, Philadelphia, \$2,000. Architect, private plans. Owners, Page & Shaw, 123 South Thirteenth street, Philadelphia.

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

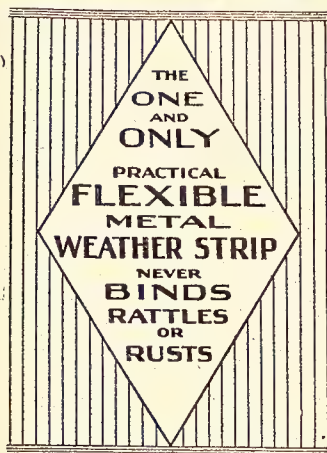
Made on
TRACING CLOTH. TRACING PAPER. WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



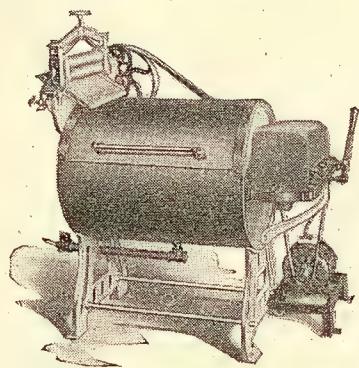
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
114 N. 2nd St., Phila.

Consists of new indows and dumb waiter. Contract awarded to Graham-Campion Co., Heed Building, Philadelphia.

Factory (alt. and add.), Twenty-third and Cherry streets, Philadelphia. Architects, Balinger & Perrot, 1211 Arch street, Philadelphia. Owners, S. J. Creswell Iron Works, on premises. Brick, 2 and 3 stories, slate and slag roof (heating and lighting reserved). Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

Store Building (alt.), 1409 Arch street, Philadelphia, \$1,000. Architects, Hoffman & Co., Juniper and Market streets, Philadelphia. Owners, Fidelity Mutual Life Insurance Co., 112 North Broad street, Philadelphia. Consists of new store front and interior alteration and addition, electric lighting. Contract awarded to F. H. Vodges, 4151 Leidy avenue, Philadelphia.

Stores and Apartments (3), Oxford pike, near Frankford avenue, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, George T. Sale, Bailey Building, Philadelphia. Brick, 3 stories, 60x70 feet, slag roof, steam heating, electric lighting. Contract awarded to Harry A. Smink, 5320 North Twelfth street, Philadelphia.

Club House, 943 South Second street, Philadelphia, \$35,000. Architect, Charles F. Schaef, 1524 Chestnut street, Philadelphia. Owners,

Lithuanian Real Estate Co., 943 South Second street, Philadelphia. Brick and terra cotta, 3 stories, 66x81 feet, slag roof (heating, plumbing and lightin separate bids). Contract awarded to Alex. Chambley, 243 South Tenth street, Philadelphia.

Residence (alt. and add.), 1717 Pine street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, Seltzer & Wallace, 400 Chestnut street, Philadelphia. Brick and limestone, 4 stories, 16x60 feet, slag roof, hot water heating, electric lighting, hardwood floors, metal lath. Contract awarded to Alex. Chambley, 243 South Tenth street, Philadelphia.

Storage Shed, Thirty-third and Passyunk avenue, Philadelphia, \$2,300. Architect, private plans. Owners, United Gas Improvement Co., Broad and Arch streets, Philadelphia. Galvanized iron and steel, 1 story, 62x180 feet, galvanized iron roof. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue, Philadelphia.

Ice Storage House and Offices, Third and Norris streets, \$60,000. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Norris Market Ice Manufacturing and Cold Storage Co., on premises. Brick, steel and concrete, fireproof, 2 stories, 80x110 feet, slag roof, electric lighting, asphalt floors, steam heating, metal lath, cork insulation. Contract awarded to Philip Haibach Contracting Co., Twenty-sixth and Thompson streets.

PENNSYLVANIA

Construction News

School, Gwynedd Township, Pa., \$10,000. Architects, Conner & Slifer, Lansdale, Pa. Owners, Gwynedd Township School Board, care of Dr. Pearce Lakin, Lansdale, Pa. Brick, stone trimmings, 1½ stories, 45x100 feet, slag roof, steam or hot air heating, metal lath, waterproofing and dampproofing. Plans in progress.

Church (add.), Quakertown, Pa., \$5,000. Architect, M. B. Bean, Lansdale, Pa. Owner, Reformed Church, care of J. McLean, Quakertown, Pa. Brick, 1 story, 30x50 feet, slate roof, steam heating, electric lighting. Plans in progress.

Bungalow, Lansdale, Pa., \$4,000. Architects, Conner & Slifer, Lansdale, Pa. Owner, Harry Richardson, Lansdale, Pa. Brick, 1½ stories, 42x30 feet, slate roof, hot water heating, electric lighting. Owner is taking bids.

Sanitarium, Lansdale, Pa., \$12,000. Architects, Conner & Slifer, Lansdale, Pa. Owner, Dr. Ruth Maher, Lansdale, Pa. Hollow tile and stucco, 2½ stories, 90x32 feet, slate or tile roof, steam heating, electric lighting, tile work, dumb waiters, metal lath, waterproofing and dampproofing. Architects taking bids, due February 12th. The following are figuring: A. Myers, Lansdale, Pa.; J. Kaufie, Lansdale, Pa.; Alexander Chambley, 243 South Tenth street, Philadelphia.

Undertaker's Establishment (alts.), Norristown, Pa., \$4,000. Architect, M. B. Bean, Lansdale, Pa. Owner, D. Y. Mowday Estate, Norristown, Pa. Brick and terra cotta, 3 stories, 55x25 feet, tin roof, steam heating,

electric lighting, tile work, composition floors. Architect taking bids, due February 15th. The following are figuring: Michael Lawler & Sons, Frank R. Heavner, J. Nutz, William Shoffner, John Groff, Amos Jackson, R. F. D. No. 2, all of Norristown, Pa.

Power House, Paoli, Pa. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 1 story, 30x50 feet, slag roof. Owners taking bids, due February 4th. Roydhouse-Arey Co., Fidelity Building; Chas. McCaul Co., 1713 Sansom street; Irwin & Leighton, 12 North Twelfth street; Stewart Bros., 2526 North Orkney street; F. J. Boas, 201 North Broad street; Joseph Bird Co., 213 North Eleventh street; Brann & Stewart, Commercial Trust Building; F. A. Havens Co., 845 North Nineteenth street; H. E. Grau Co., 1709 Sansom street; Armstrong & Latta, Land Title Building; M. P. Wells, Witherspoon Building; McCloskey-Bahls, Hale Building; Chas. Gilpin, Harrison Building, all of Philadelphia, and Titzel Const. Co., Lancaster, Pa., are figuring.

Residence, Merion, Pa., \$18,000. Architects (associated), Frank Seeburger and C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, William H. Steigerwalt, 1420 Chestnut street, Philadelphia. Brick, plaster and timber, 2½ stories, 30x100 feet, slate or tile roof, hot water heating, gas and electric lighting, oak floors, composition floors. Architects have received bids.

Capitol Building (add.), Harrisburg, Pa.,

UNITAS TILING

A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

Barrett Specification Roofs



"West End" Factory
Craddock-Terry Co.,
Lynchburg, Va.
Roofers: T. B. Dorwin-
Adams Co.
Lynchburg, Va.

In the South

HERE are the three buildings of the Craddock-Terry Company, the large shoe manufacturers of the South.

They are typical American manufacturing buildings—and there are scores of such buildings in every large city.

All three are covered with Barrett Specification Roofs, and this too, is typical, for such buildings are usually roofed in this way.

The reason is simple—it is a matter of best value for the money! Barrett Specification

Roofs are the cheapest permanent roofs to build and they cost nothing to maintain.

The unit cost of Barrett Specification Roofs (the cost per foot per year of service) runs reliably about $\frac{1}{4}$ cent, a lower figure than any other roofing can even approach.

By incorporating The Barrett Specification verbatim in your building plans you make certain that your contractor, whoever he may be, will lay for you exactly the same quality of roof that tops most of the great structures and manufacturing plants of the United States.

Copies of this Specification with diagrams will be sent free on request to any one interested.

BARRETT MANUFACTURING COMPANY

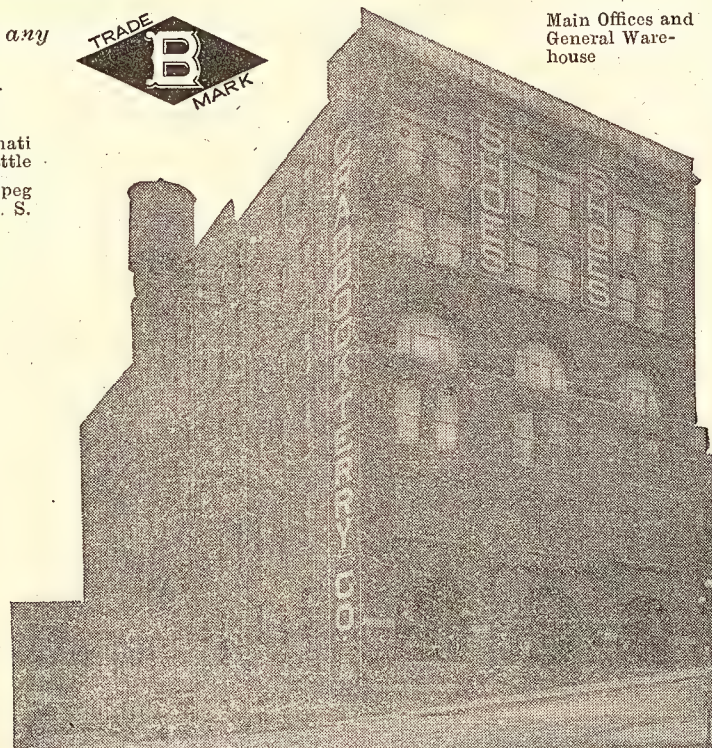
New York	Chicago	Philadelphia	Boston	St. Louis	Cleveland	Cincinnati
Pittsburgh	Detroit	Birmingham	Kansas City	Minneapolis	Salt Lake City	Seattle
THE PATTERSON MFG. CO., Limited:			Montreal	Toronto	Winnipeg	
Vancouver	St. John, N. B.		Halifax, N. S.		Sydney, N. S.	



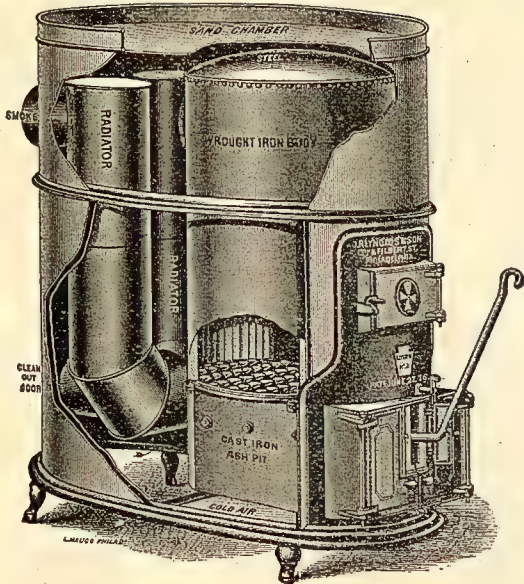
Main Offices and
General Ware-
house



"Southland" Factory.



Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA
One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION.**

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

\$2,500,000. Architect, C. A. Keyworth, State Capitol, Harrisburg, Pa. Owner, State of Pennsylvania, care of Samuel R. Rambo, Superintendent of Public Grounds and Buildings, Harrisburg, Pa. Granite, 4 stories. Consists of new wing. Plans in progress.

Ice Plant, Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, Merchants' Ice Co., Harrisburg, Pa. Brick or hollow tile, 1 story, capacity of plant, 75 tons, slag roof, electric lighting. Plans in progress.

Department Store, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, David Kauffman, Harrisburg, Pa. Brick, probably fireproof, 4 or 6 stories, 28x160 feet. Details not decided. Plans in progress.

School, Fairview Township, Pa., \$10,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, School Board, John Greenfield, President, Siddonsburg, Pa. Brick, 1 story. Details not decided. Plans about to be started.

Residences (3), Harrisburg, Pa., \$8,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, George Smith, 3208 North Fourth street, Harrisburg, Pa. Brick, 2½ stories, 48x60 feet, slag roof, steam heating, gas and electric lighting. Plans in progress.

Residence (alt. and add.), Harrisburg, Pa., \$2,500. Architect, George H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, Howard O. Holstein, 126 Broad street, Harrisburg, Pa. Brick, 3 stories, 16x60 feet, slag roof, steam heating, electric lighting. Plans in progress.

Experiment Station, Pittsburgh, Pa. Architect, O. Wenderoth, Treasury Department, Washington, D. C. Owner, U. S. Government, Bureau of Mines, Pittsburgh, Pa. Brick and concrete, 3 stories, boiler house, 1 story, slate and composition roofs (heating, electric work and mechanical equipment separate boids). Owners taking bids, due March 11th, at 3 P. M.

School, Johnsonburg, Pa., \$200,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Johnsonburg, Pa. Brick and stone, fireproof, 3 stories, 150x200 feet, slate roof (heating and lighting reserved). Plans in progress.

Theatre and Hall, West Chester, Pa., \$25,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Brown Auto Supply Co., West Chester, Pa. Brick, 2 stories, 52x95 feet, slag roof, steam heating, electric lighting, maple floors. Architect taking bids, due February 4th. George F. Pawling Co., Broad and Vine streets, and F. Roe

Searing, Perry Building; Berry-Goodwin Co., Drexel Building, all of Philadelphia, are figuring.

Residence, Jeffersonville, Pa. Architect, H. R. Stackhouse, Drexel Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 34x40 feet, shingle roof, hot water heating, electric lighting. Architect ready for bids.

Auditorium, Hershey, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, M. S. Hershey, Hershey, Pa. Hollow tile, plaster and steel, 1 story, 140x200 feet, slag and shingle roof, electric lighting. Owner is taking sub-bids.

Warehouse, Lancaster, Pa., \$6,000. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owners, Charles Stauffer & B. Grant Stauffer, Lancaster, Pa. Brick, 1 story, 183x40 feet, ruberoid roof, gas, steam radiators, electric lighting. Architect taking bids.

Twin Residence, Lancaster, Pa., \$7,500. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owners, Metzger & Bloom, care of New Era, Lancaster, Pa. Brick and hollow tile, 2½ stories, 35x56 feet, slate roof, hot water heating, gas and electric lighting, hardwood floors. Plans in progress.

Residence, Lancaster, Pa. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owner, G. H. DeHaven, West Chestnut street, Lancaster, Pa. Brick, 2½ stories, 26x44 feet, slate roof, hot air heating, gas and electric lighting, hardwood floors, tile work. Architect taking bids.

Residence, Lancaster, Pa., \$3,500. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner's name withheld. Brick, 2½ stories, 28x30 feet, slate roof, heating not decided. Plans in progress.

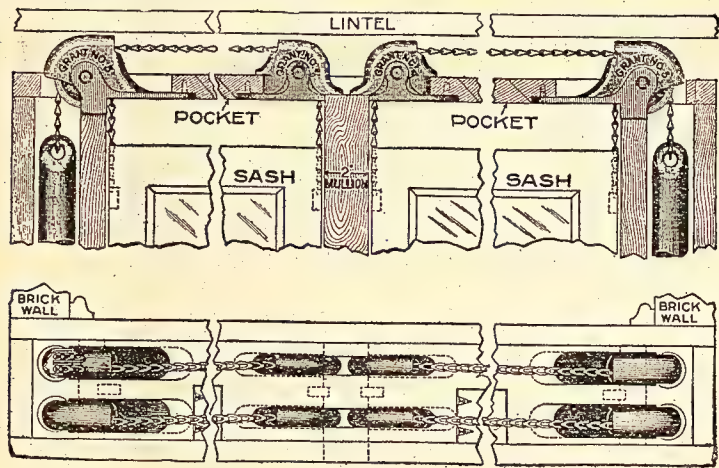
High School, Kennett Square, Pa., \$30,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Kennett Square, Pa. Brick and stone, 2 stories, 56x108 feet, slate roof, metal lath, safety treads (heating and lighting separate bids). Owners taking bids, due February 15th. The following are figuring: H. J. Wenzelberger, Phillipsburg, N. J. W. A. Richman, Moorestown, N. J.; C. T. Moore, Lansdowne, Pa.; Thomas Grady, Kennett Square, Pa., and the following of Philadelphia: Eugene Tourison, 1001 Chestnut street; William Linker, Heed Building; F. A. Havens Co., 845 North Nineteenth street; Burd P. Evans Co., Thirteenth and Wallace streets; E. E. Hollenback, Fifteenth and Race streets; Berry-Goodwin Co., Drexel Building; F. Roe Searing, Perry Building; T. C. Trafford, 1613 Sansom street; Jos. Bird Co., 213 North Eleventh street; E. J.

LIGHTING FIXTURES

In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY
Manufacturers of "LIGHTING FIXTURES OF QUALITY"

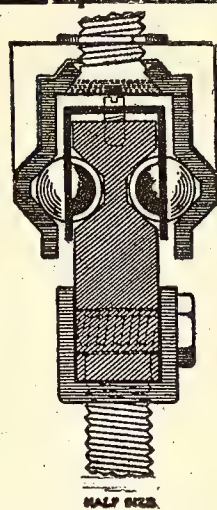
Factory and Show Rooms
242 PENN STREET, - READING, PA.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Kreitzburg, 1345 Arch street; George Hogg, 1634 Sansom street; Alex. Chambley, 243 South Tenth street; McCloskey-Bahls, Hale Building, and Specht & Sperry, Heed Building.

Hospital Buildings, Hanover Township, Pa. Architect, Harry W. Walton, Bethlehem, Pa. Owner, Homoeopathic State Hospital for the Insane, care of Dr. Henry I. Klopp, Allentown, Pa. Consists of two pavilions and a cottage, brick, 1 and 2 stories, 70x24 feet, 28x64 feet, 30x21 feet, slate and slag roofs, electric lighting, steam heating, metal lath. Owners taking bids, February 3rd, at 3 P. M. The following are figuring: Metzger & Fisher, Denckla Building; McCloskey & Hahls, Hale Building; F. Roe Searing, all of Philadelphia; Fink & Seidel, Colonial Trust Building, Reading, Pa.; Franklin Goldsmith, Catasauqua, Pa.; Howard E. Stoudt and Forest Speck, both of Bethlehem, Pa., and the following all of Allentown, Pa.: Butz & Clader, W. A. Stein & Co., Ochs Const. Co., W. H. Gange were, R. S. Rathburn, Jacob Nagle, George H. Hardner, Ritter & Smith, E. F. Peters.

School Building, West Reading, Pa., \$50,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, School Board, West Reading, Pa. Brick, 2½ stories, 60x168 feet, composition roof, electric lighting, slate blackboards. Plans about completed. Owners will take bids in ten days.

School Building, Port Carbon, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, Port Carbon, Pa. Brick and stone, 2 stories, 80x160 feet, composition roof, electric lighting, slate blackboards. Plans about completed. Owners will advertise for bids February 15th.

School Building, Myerstown, Pa., \$30,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, E. L. Bleistein, Secretary, Myerstown, Pa. Stone, 2 stories, 140x84 feet and 20x75 feet, slag roof, electric lighting, slate blackboards. Revised plans about completed. Owners will take bids in one week.

Bindery and Loft Building, Reading, Pa., \$15,000. Architect, J. Earl Hickman, 119 South Fifth street, Reading, Pa. Owner, August M. Arnold, 634 Washington street, Reading, Pa. Brick, 3 stories, 36x100 feet asbestos

roof, steam heating, electric lighting. Revised plans in progress.

Machine Shop, Reading, Pa. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owners, Berks Engineering Co., Seventh and Chestnut streets, Reading. Brick, 1 story, 50x65 feet, slag roof, steam heating, electric lighting, freight elevator. Architect is ready for bids.

Parish House, Ephrata, Pa., \$10,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, First Reformed Church, Rev. Martin Schutzer, Ephrata, Pa. Brick, 2½ stories, 30x45 feet, slate roof, steam heating, electric lighting. Plans in progress.

Twin Residence, West Reading, Pa., \$8,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Ernfield & May, West Reading, Pa. Brick and concrete, 2½ stories, 16x45 feet each, slate roof, hot air heating, electric lighting. Owners taking sub-bids.

High School, Kennett Square, Pa., \$30,000. Architects, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Kennett Square, Pa. Brick and stone, 2 stories, 56x108 feet, slate roof, metal lath, safety treads (heating and lighting separate bids). Owners taking bids, due February 15th. H. B. Miller, Edgewater Park, N. J.; W. R. Titus, Paulsboro, N. J.; W. J. Elliott, Coatesville, Pa.; Paul Hannam, Kennett Square; William N. Worrall, Kennett Square; F. T. Mercer Co., 1706 Delancey street; Eagle Construction Co., Drexel Building; F. B. Davis, 240 North Sixteenth street; W. Beaumont, Stephen Girard Building, all of Philadelphia, are figuring, in addition to those reported.

Residence, Reading, Pa., \$4,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Lafayette Neider, 1142 Greenwich street, Reading, Pa. Brick, 2½ stories, 17x50 feet, tin and slag roof, hot air heating, gas and electric lighting. Owner is taking bids.

Apartment House, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Edward Fisher, 535 Elm street, Reading, Pa. Brick and frame, 3 stories, 20x70 feet, slag roof, steam heating, electric lighting. Owner is taking sub-bids.

Show Room and Garage (add.), Reading, Pa., \$2,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, E.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

J. W. COLQUHOUN, SECRETARY

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

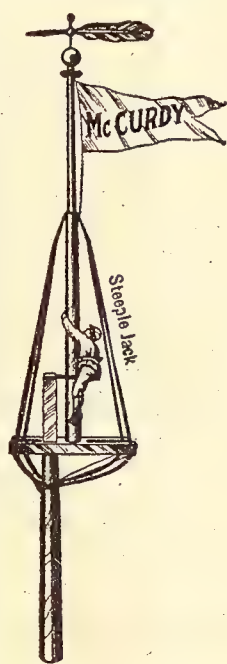
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

All Sizes

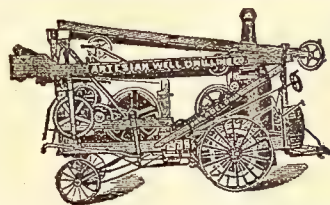
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

E. Hinkle, Tenth and Windsor streets, Reading, Pa. Brick and concrete, 2 stories, 15x40 feet, tin roof, hot air heating, electric lighting. Architect taking bids, due February 18th. The following are figuring: George Koch, Daniel H. Hunter, Charles H. Schlegel, all of Reading, Pa.; Adam Spatz, Wernersville, Pa.; Daniel Werner, Temple, Pa.

Saloon and Residence, Girardville, Pa. Architects, Koelle Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Mutual Realty Co., Girardville, Pa. Brick, 3 stories, 25x75 feet, slag roof, hot air heating, electric lighting (bar fixtures reserved). Owners taking bids.

Residence, Ogontz, Pa. Architects, Koelle Speth Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, Henry W. Breyer, Ninth and Cumberland streets. Stone and plaster, 2½ stories, 35x95 feet, tile roof, hot water heating, electric lighting, oak floors, garage 1½ stories, 25x40 feet. Plans in progress. Ready for bids in 2 weeks.

Fraternity House, State College, Pa., \$22,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owners, Phi Gamma Delta, State College, Pa. Brick, 2½ stories, 25x100 feet, shingle roof (steam heating and electric lighting, metal casements reserved). Architects taking bids, due February 16th. The following are figuring: H. S. Miller, Bellefonte, Pa.; Rhodes & Knisly, Bellefonte, Pa.; James V. Bennett Co., Williamsport, Pa.; H. H. Burrell, 206 South Camac street; J. Myers & Sons Co., Witherspoon Building; Graham-Campion Co., Heed Building; Thomas Little & Sons, 1713 Moravian street; H. L. Brown, 1714 Sansom street; R. C. Ballinger Co., 218 North Thirteenth street, all of Philadelphia.

Residence (alt. and add.), Bethayres, Pa., \$20,000. Architects, Martin & Kirkpatrick, 1001 Chestnut street, Philadelphia. Owner, Hollingshead Taylor, Bethayres, Pa. Stone, 2½ stories, 30x50 feet, slate roof, electric lighting, tile work, hardwood floors (heating reserved). Architects taking bids, due February 17th. The following are figuring: John Duncan, 920 Walnut street; H. H. Burrell, 206 South Quince street; William R. Dougherty, 1610 Sansom street; Specht & Sperry, Heed Building; Eugene Tourison, 1001 Chestnut street, all of Philadelphia, and Frank E. Heston, Churchville, Pa.

Pennsylvania Contracts Awarded

Residence and Garage, Springmont, Pa., \$7,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. H. Barr, Springmont, Pa. Hollow tile and brick, 2½ stories, 28x40 feet, slate roof, gas and electric lighting, vapor heating, hardwood floors, tile work. Contract awarded to Daniel H. Hunter, 820 North Eleventh street, Reading, Pa.

Apartment House, Lancaster, Pa. Architect, M. R. Evans, 112 North Queen street, Lancaster, Pa. Owner, E. G. Rothweiler, 206 West King street, Lancaster, Pa. Brick, 4 stories, 120x40 feet, slag roof, steam heating, gas and electric lighting, tile work. Contract awarded to J. Stumpf & Son, Lancaster, Pa.

Car Barn (add.), Lebanon, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Hershey and Lebanon Street Railway Co., Hershey, Pa. Brick and steel, 1 story, 40x60 feet, slag roof, electric lighting, concrete floors. Contract awarded to Wm. H. Flick, 615 East Chestnut street, Lancaster, Pa.

Residence, Chambersburg, Pa., \$10,000. Architect, Robert A. Stair, Guardian Trust Building, York, Pa. Owner, W. H. Fisher, Chambersburg, Pa. Brick, 2½ stories, 42x30 feet, wing 18x20 feet, slate roof, hot air or hot water heating, gas and electric lighting, hardwood floors, tile work, metal lath. Con-

tract awarded to C. E. Cump, Chambersburg, Pa.

School Building, Quarryville, Pa., \$15,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Board of Education, David R. Forbes, Secretary, Quarryville, Pa. Brick, 1 story, 70x110 feet, slate and tin roof, electric lighting, dampproofing, slate blackboards. Contract awarded to I. M. Witmer, Lancaster, Pa.

New Jersey Construction News

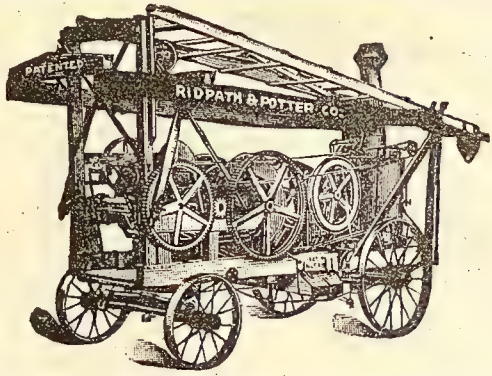
Club House (add.) and Garage, Absecon, N. J. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Seaview Golf Club, C. H. Geist, President, Land Title Building, Philadelphia. Brick, 2 and 3 stories, shingle and slate roof, steam heating, electric lighting, metal lath, garage, 2 stories, 94x107 feet, will accommodate 40 machines. Architect has received bids.

Schools (2), Collingswood, N. J., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Collingswood, N. J. Brick and stone, fireproof, 2 stories, 56x100 feet, slate roof, steam heating, electric lighting, metal lath, safety treads. Plans in progress. Bids in one month.

School, Barrington, N. J., \$12,500. Architect, John L. Coneys, 1513 Walnut street, Philadelphia. Owners, Board of Education, Center Township, Ed. Graeff, Clerk, Magnolia, N. J. Brick, 2 stories, slate or slag roof, steam heating, electric lighting. Owners taking bids, due February 9th. The following are figuring: Alexander Chambley, 243 South Tenth street; James H. Wells, Heed Building; Berry-Goodwin Co., Drexel Building; F. T. Mercer Co., 1706 DeLancey street; Eugene Tourison, 1001 Chestnut street; Joseph Bird Co., 213 North Eleventh street; F. Roe Searing, Perry Building; Specht & Sperry, Heed Building, all of Philadelphia; Butz & Clader, Allentown, Pa.; Hugh B. Miller, Edgewater Park, N. J.; Lawrence A. Bowe, Gloucester, N. J.; P. A. Stewart Co., Gloucester, N. J.; Peterson Construction Co., Clayton, N. J.; George W. Shaner, Palmyra, N. J.; W. A. Richman, Moorestown, N. J.; Wm. Congezer, Haddon Heights, N. J.

School, Highland Park, N. J., \$12,500. Architect, John L. Coneys, 1513 Walnut street, Philadelphia. Owners, Board of Education, Center Township, Ed. Graeff, Clerk, Magnolia, N. J. Brick, 2 stories, slate or slag roof, steam heating, electric lighting. Owners taking bids, due February 9th. The following are figuring: Alexander Chambley, 243 South Tenth street; James H. Wells, Heed Building; Berry-Goodwin Co., Drexel Building; F. T. Mercer Co., 1706 DeLancey street; Eugene Tourison, 1001 Chestnut street; Joseph Bird Co., 213 North Eleventh street; F. Roe Searing, Perry Building; Specht & Sperry, Heed Building, all of Philadelphia; Butz & Clader, Allentown, Pa.; Hugh B. Miller, Edgewater Park, N. J.; Lawrence A. Bowe, Gloucester, N. J.; P. A. Stewart Co., Gloucester, N. J.; Peterson Construction Co., Clayton, N. J.; George W. Shaner, Palmyra, N. J.; W. A. Richman, Moorestown, N. J.; Wm. Congezer, Haddon Heights, N. J.

Factory (add.), Seventeenth and Mickle streets, Camden, N. J. Builders, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Keystone Leather Co., Camden, N. J. Brick, steel and concrete, 4 stories, 66x224 feet, slag roof, metal lath, dampproofing (heating and lighting reserved), elevators, iron grilles, metal frames and sash. Builders taking sub-bids, due February 8th.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

Factory (add.), Second and Federal streets, Camden, N. J. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Joseph Campbell Co., Camden, N. J. Brick and concrete, 3 stories, 48x82 feet, asbestos roof, metal frames and sash (heating and lighting reserved), waterproofing. Architect taking sub-bids, due February 8th.

School, Lawnside, N. J., \$12,500. Architect, John L. Coneys, 1513 Walnut street, Philadelphia. Owners, Board of Education, Center Township, Ed. Graeff, Clerk, Magnolia, N. J. Brick, 2 stories, slate or slag roof, steam heating, electric lighting. Owners taking bids, due February 9th. The following are figuring: Alex. Chambley, 243 South Tenth street; James H. Wells, Heed Building; Berry-Goodwin Co., Drexel Building; F. T. Mercer Co., 1706 DeLancey street; Eugene Tourison, 1001 Chestnut street; Joseph Bird Co., 213 North Eleventh street; F. Roe Searing, Perry Building; Specht & Sperry, Heed Building, all of Philadelphia; Butz & Clader, Allentown, Pa.; H. B. Miller, Edgewater Park, N. J.; Lawrence A. Bowe, Gloucester, N. J.; P. A. Steward Co., Gloucester, N. J.; Peterson Const. Co., Clayton, N. J.; George W. Shaner, Palmyra, N. J.; W. A. Richman, Moorestown, N. J.; Wm. Congezer, Haddon Heights, N. J.

Residence, Washington Crossing, N. J., \$15,000. Architect, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, F. W. Harper, 840 Riverside avenue, Trenton, N. J. Brick, 2 stories, 34x54 feet, tile roof, electric lighting, hardwood floors, tile work (heating reserved). Architects

taking additional bids. The following are figuring: Edward Margerum, Trenton, N. J.; Frederick Ewald, Morrisville, N. J.; Patrick O'Neill, Yardley, N. J.

Residence, Trenton, N. J., \$2,500. Architect, private plans. Owner, Frank Russo, Trenton, N. J. Cement block and frame, 2½ stories, 24x30 feet, slate roof, hot air heating, gas and electric lighting. Owner is taking sub-bids.

Assembly Building, Skillman, N. J., \$35,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owner, New Jersey State Epileptic Village, care of David S. Weeks, Skillman, N. J. Brick and concrete, 1 story, 61x126 feet, slag roof, steam heating, electric lighting, wood and cement floors. Plans about to be started.

Tunnel, Trenton, N. J. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owner, New Jersey State Hospital for Insane, Trenton, N. J. Reinforced concrete, 450 feet long and 7 feet high. Plans in progress.

Platform and Shelter Sheds, Rahway, N. J. Architect and engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Concrete and steel, 1 story, 300 feet long, slag roof, electric lighting. Owners taking bids, due February 8th. In addition to those previously reported, Charles Gilpin, Harrison Building; Charles McCaul Co., 1713 Sansom street, Philadelphia; J. S. Shanley, Jersey City, N. J.; Fred T. Ley Co., New York City; Henry M. Doremus & Co., 36 Orange street, Newark, N. J.; John Wolke, Rahway, N. J.; Fred R. Parker, Trenton, N. J., and J. S. Rogers Co., Moorestown, N. J., are figuring. (Note change in date.)

NEW JERSEY

Contracts Awarded

Residence, Haddonfield, N. J. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Dr. Ernest A. Farrington, Haddonfield, N. J. Stone and frame, 2 stories, 30x50 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Contract awarded to George W. Shaner, Palmyra, N. J.

Bank Building, Swedesboro, N. J., \$40,000. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Swedesboro National Bank, Swedesboro, N. J. Brick and marble trimmings, 2 stories, 49x71 feet, slag roof (steam heating, electric lighting and banking fixtures reserved), tile and marble work. Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

Flat House, Trenton, N. J., \$9,000. Archi-

tect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, John Satterthwaite, Trenton, N. J. Brick, 3 stories, 29x60 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Contract awarded to Thomas Donoghue, Trenton, N. J.

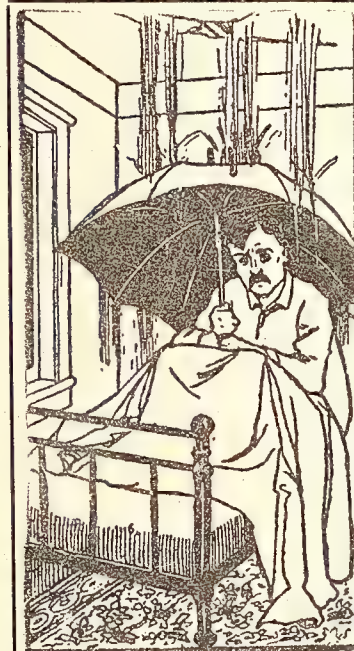
Office Building, Front and Cooper streets, Camden, N. J., \$380,000. Architects, W. J. & W. Livingston Smith, 34 South Seventeenth street, Philadelphia, Pa. Owners, Victor Talking Machine Co., Camden, N. J. Brick, stone and terra cotta, fireproof, 8 stories, 74x136 feet, slag and tile roof, cork and tile floors, metal lath, waterproofing and damp-proofing, metal frames and sash (heating and lighting reserved). Contract awarded to Geo. A. Fuller Co., Morris Building, Philadelphia.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.
2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

Contractor's Equipment

10 per cent. discount will be allowed to all Builders and Contractors making a purchase at our Exhibit in the Bourse Building, Philadelphia, upon presentation of this advertisement.

"Buy direct and save the middleman's profit."

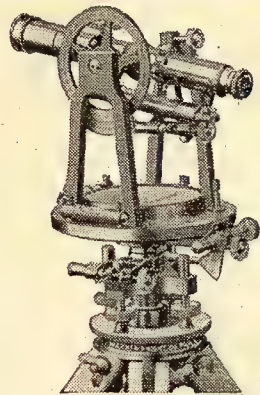
BIEHL IRON WORKS

Main Office and Factory, READING, PA.
Makers of Concrete Mixers, Hoist Buckets
Steel Concrete Chuting, Wheelbarrows, etc.

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG.
YORK : PA.



POINTS WORTH CONSIDERING

ACCURACY, DURABILITY and EFFICIENCY are three necessary requirements in the use of a Transit or a Level. Our new Model No. 35

"Sterling" Builders' Transit

fully meets these requirements, and at a price within your reach.

Write TO-DAY for Vest Pocket Manual of Adjustments, Circular containing "Points Worth Considering" and details of FREE TRIAL OFFER. Special terms of payment now available.

WARREN-KNIGHT COMPANY

Designers and Makers of "Sterling" Transits and Levels
136 N. TWELFTH STREET PHILADELPHIA, U. S. A.

MARYLAND

Construction News

Sunday School, Frederick, Md., \$15,000. Architect, J. B. Hamme, Wiest Building, York, Pa. Owner, Grace Reformed Church, Rev. J. A. Ditzler, Frederick, Md. Brick, 1 story, 80x65 feet, composition roof, steam heating, electric lighting. Plans in progress.

Gymnasium (alt. and add.), Frederick, Md. \$10,000. Architect, J. B. Hamme, Wiest Building, York, Pa. Owners, Hood College, Frederick, Md. Brick, 3 stories, 100x100 feet, will contain swimming pool, slate roof, steam heating, electric lighting, metal lockers. Plans in progress.

Hospital, Easton, Md. Architects, Guy King Co., 1513 Walnut street, Philadelphia. Owners, New Emergency Hospital, care of Hampton Howell, Secretary, Easton, Md. Brick, hollow tile and plaster, 4 stories, 58x118 feet, slate and slag roof, steam or vapor vacuum heating, electric lighting, composition floors, canvas roofs, waterproofing, metal lath (weather strips, elevators and laundry machinery reserved). Owners taking bids, due February 20th. Plans may be obtained from architects after February 1st.

Residence (alt. and add.), Eccleston, Md. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Edw. H. McKeon, Eccleston, Md. Brick, 2 stories, consists of general alteration and addition, new wing, 22x43 feet. Plans in progress.

School Building, Rock Hall, Md., \$11,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, School Board, care of Prof. J. L. Smith, Chestertown, Md. Brick, 2 stories, 46x90 feet, slate roof, hot air heating, electric lighting, slate blackboards. Plans in progress.

Apartments (alts.), northeast corner Calvert and Chase streets, Baltimore. Architect, W. M. Geiske, Gunther Building, Baltimore, Md. Owners, Exchange Realty Co., Ridgely Building, Baltimore. Brick, 3 stories. Consists of remodeling residence for apartment house. Plans in progress.

Store Building (alts.), 223-25 West Baltimore street, Baltimore, Md. Architect, Louis Levi, Munsey Building, Baltimore, and Real Estate Trust Building, Philadelphia, Pa. Owners, Blumberg Bros., on premises. Brick, 3 stories, slag roof, steam heating, electric lighting, new store front. Plans in progress.

Residence, Poplar Hill, Md., \$10,000. Architects, Smith & May, Law Building, Baltimore, Md. Owner, James Lock, care of architects. Brick, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Residence and Garage, Havre de Grace, Md., \$40,000. Architect, Walter M. Geiske, Gunther Building, Baltimore, Md. Owner, J. P. Richards, Havre de Grace, Md. Stone, frame and stucco, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work, metal lath, waterproofing and dampproofing. Architect taking bids, due February 10th. The following are figuring: W. E. Harn, 213 North Calvert street; M. C.

Davis, 1' East Fayette street; G. Walter Tovell, Eutaw and McCulloh streets; Gladfelter & Chambers, 2074 Woodberry avenue; E. G. Turner, 15 East Fayette street, all of Baltimore, Md., and H. A. Gilbert, Aberdeen, Md.; W. B. Richardson, Belair, Md.; Enoch Smith, Havre de Grace, Md.

Church, Arlington, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore, Md. Owner, Arlington First Presbyterian Church, Arlington, Md. Stone, 1 story, 25x35 feet and 42x65 feet, slate roof, hot water heating, electric lighting. Architect taking bids. The following are figuring: Edward Watters & Co., 509 North Charles street; J. Henry Smith, 1426 Light street; A. Knell, Jr., 217 South Paul street; C. W. Littleton & Son, West Forest Park; Cowan Building Co., 106 West Madison street; Gladfelter & Chambers, 2072 Woodberry avenue; R. B. Mason, 307 West Madison street; E. G. Turner, 15 East Fayette street; G. W. Tovell, Eutaw and Dolphin streets, all of Baltimore.

Maryland

Contracts Awarded

Business Building (alt. and add.), 304-6-8 East Pratt street, Baltimore, Md. Architects, Wyatt & Nolting, Keyser Building, Baltimore. Owner, J. D. Mason, Fidelity Building, Baltimore. Brick, 3 stories. Contract awarded to Cowan Building Co., 106 West Madison avenue, Baltimore, Md.

Garage, Little Hughes street, Baltimore, Md., \$2,500. Architect, private plans. Owners, John H. Dockerman & Son, 32 East Montgomery street, Baltimore. Brick, 1 story, 34x65 feet, slag roof, electric lighting, concrete floors. Contract awarded to J. J. Walsh & Son, 1533 Maryland avenue, Baltimore, Md.

Miscellaneous

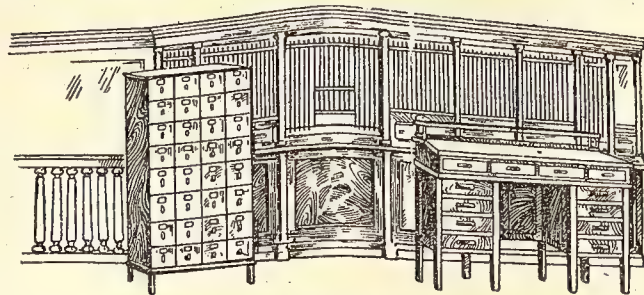
Construction News

Library, Lakewood, Ohio. Architect, Edward L. Tilton, 32 Broadway, New York City. Owners, City of Lakewood, Lakewood, Ohio. Stone, brick and steel, fireproof, 2 stories, 83x51 feet, slag roof, vapor heating, electric lighting, metal lath, weather strips, iron stairs, waterproofing. Architect taking bids, due February 9th. James H. Wells, Heed Building, Philadelphia, is figuring.

Bungalow, Montchanin, Del. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington, Del. Owner, R. R. M. Carpenter, duPont Building, Wilmington. Frame and stucco, 1 story, 30x32 feet, asbestos shingle roof, hot air heating, electric lighting. Plans in progress.

Residence (alt. and add.), 1107 Broome street, Wilmington, Del. Architects, Brown

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.

450-52 N. 12th Street
Philadelphia, Pa.

& Whiteside, duPont Building, Wilmington. Owner, R. H. Dunham, 1503 Franklin street, Wilmington. Brick, 3 stories, shingle roof, vapor heating, electric lighting, hardwood floors, tile work, metal lath, dampproofing. Plans in progress.

Factory, Detroit, Mich. Architect, Albert Kahn, Detroit, Mich. Owner, Menzie Shoe Co., Detroit, Mich. Brick and concrete, 4 stories and basement, 47x200 feet, slag roof, steam heating, electric lighting, metal lath, safety treads, waterproofing, metal frames and sash. Architect taking bids, due February 4th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Buildings (4), Hamilton, Ohio. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company, Baltimore, Md. Brick, steel and concrete, 1 story, 20x30 feet, 100x120 feet, 30x30 feet, slag roof, steam heating. Owners taking bids, due February 8th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Miscellaneous

Contracts Awarded

Residence, Wilmington, Del. Architects, Brown & Whiteside, duPont Building, Wilmington. Owner, Harry E. Speakman, 113 Market street, Wilmington. Hollow tile and stucco, 3 stories, 35x40 feet, shingle roof, vapor heating, electric lighting, hardwood floors, tile work. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Permits for New Buildings

Seidman & Hyman (O), 1320 South Fourth street. J. Neihman (C), 1029 Jackson street. Cost, \$2,800. Store and dwelling, brick, 3 stories, 16x50 feet, hot water heating, slag roof, Seventh and Winton streets.

Horn & Hardart Co. (O), 202 South Tenth street. Stuckert & Sloan (C), Crozer Building. Cost, \$10,000. Restaurant, brick, 4 stories, 24x63 feet, 1508 Market street.

Mrs. A. K. Ledig (O), 4322 North Broad street. P. Kessler Const. Co. (C), Drexel Building. Cost, \$13,500. Residence, brick, 3 stories, 24x58 feet, 4322 North Broad street.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$34,400. Nine apartments, brick, 2 stories, 16x65 feet, hot water heating. Cost, \$4,000, brick, 2 stories, 15x45 feet, Fifty-fourth and Cedar avenue.

Frank Thompson (O), Eighty-fourth and
(Continued on page 82.)

Day and

Night



Every Hour

a staff of chemists test ALPHA Portland Cement, in order to see that the raw materials are proportioned exactly right; to be sure that the burning is thorough, that the grinding is finer than required by standard specifications, and that the finished product is as good Portland Cement as can be made.

After being manufactured with this unusual care,

ALPHA PORTLAND CEMENT

The High-Water Mark of Quality

is stored in concrete damp-proof storage warehouses for proper seasoning. We have facilities for storing 2,000,000 barrels of ALPHA. Not a bag of cement is shipped that we do not guarantee to more than meet every standard test. The name ALPHA stands today for 24 years of experience in cement making.

Specify ALPHA and be SURE

ALPHA has been the choice of many Philadelphia architects, engineers and contractors for work in which the cement had to meet the most exacting tests. It was used in the League Island Navy Yard, Wanamaker Building, Snellenburg Warehouses, University of Pennsylvania Buildings, Oak Lane Reservoir, Girard Avenue Bridge, P. R. R., and other notable undertakings.

SIX GREAT PLANTS on six trunk line railroads—capacity 25,000 barrels a day, storage for 2,000,000 barrels, assure prompt shipments of properly seasoned cement at all times.

Ask for ALPHA Book No. 18, giving information of value on cement and concrete work. Sent free.

ALPHA PORTLAND CEMENT CO. Sales Offices, Harrison Building, PHILADELPHIA

(Telephones: Bell, Spruce 4969. Keystone, Race 2877)

Other Sales Offices: New York, Chicago, Boston, Pittsburgh, Buffalo, Baltimore and Savannah. General Offices: Easton, Pa.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., FEBRUARY 3, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Broekie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Frederick A. Muhlenberg
Treasurer Walter Mellor
Directors—Clarence C. Zantzing, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

The feasibility of the introduction of the color note in modern architecture seems to be a favorite theme with writers who go in for the new, the novel and the picturesque. Thanks to polychrome terra cotta, bas relief enamelled tile and the beautiful and always effective Moravian tile, the means for working in the desired color scheme are not now far to seek. The use of color in a building is, however, not unlike the use of emotion in acting. Where there is a tendency to overact, we get the effect of anticlimax, and what otherwise would have been a most effective rendition of very human qualities goes to wreck upon the rocks of ridicule. So with color. The most difficult of all arts is the art of repression. A touch of color in our drab Occidental architecture would, we have no doubt, add measurably to its charm and effectiveness—but just how far it is admissible to let this color dabbling go and, again, at just what note in the architectural gamut it should stop—here are questions likely to tax the mental resources of real genius.

Color is so easy to overdo, and when it is not overdone, so many collateral conditions enter into the question of its ultimate propriety. There is the setting, for example, to be considered, the general architectural environment, the limitations of the design itself and the exigencies of the scheme of fenestration. That great things will be done in color by the architect of the future is as certain as anything human can be. With texture brick, concrete, in its varied and beautiful possibilities of tooled finish, tile and terra cotta, the mediums are at hand for flights as brilliant as anything the Old World has to offer. All that is lacking is the artist—the architect with the color sense and the sense of restraint so nicely blended as to admit of the necessary effect of balance, repression and mass harmony.

We have in mind, as we write, an office building into which the designer endeavored to inject this elusive color note. Here and there a decoration, the detail of which would have been lost from the sidewalk, has been so handled in color as to make it stand out clearly discernible at a distance of several hundred feet. And yet—the effect is not good. The building wears a “gingerbread” aspect. It has the flash of cheap jewelry. And herein lies one of the major difficulties that besets the architect who would employ color.

Under a deep blue Mediterranean sky flooded with brilliant, golden sunlight, some things may be done without garishness that comport but poorly with our grayer and more drab climatic settings.

All of these things must be taken into account when we attempt to enter into the use of color. California, we are told, has done some wonderful things with color in her new Exposition buildings, but then in California,

as in Italy and Spain and Greece and the Orient, there is a depth of blue to the skies and a flash of yellow to the sun which lend themselves with a certain native aptitude to brilliant and saving effects of time.

Under our colder skies there must be worked out a less vivid and “contrasty” scheme of color—something in half-tones and anemic tints bordering on suggestion rather than upon full blooded depiction.

How this is to be brought about, whether by the use of color, as such, or resort to the effect of color, as a result of the deft use of texture, relief, modeling and shade, must be left to the designer of the future,—that combination of artist and architect interblended, who is destined to realize the dreams of the prosaic present.

Color undoubtedly has a place in the future of American architecture. What that place is the future only may reveal.

* * *

“It took me nearly ten years,” said a well-known local builder, “to learn that overhead costs can eat up more good cash profits than a born hustler, working day and night, is able to drive in.

“I used to think the essential thing was to get new business; and, believe me, I got it,—not always at as good a figure as I would like to charge, but always at a small profit in any event. Well, at the end of ten years I just owed myself money. Puzzled me for a while, but I went at my books and just plugged away until I dug out the trouble. Overhead costs,—that’s what the trouble was,—nothing else. Found ’twas costing me about as much to do business as I was getting out of the business. Did I do some cutting down, Well, I guess. I just hacked out everything that wasn’t vital to my organization. And I made overhead charges my hobby. I can tell you to a penny nowadays just what it costs me to do business, and I’m putting money into the bank that used to ooze away in unnecessary expenses. Take it from me, this item of overhead costs marks the place where the boss needs to sit on the lid. There’s more money lost right here by perfectly sound, going concerns than in any ten other departments of the building game. And you can quote me, if you want to, but I’d rather you didn’t.”

We won’t.

* * *

For the purpose of determining the fire-resisting qualities of metal ceilings as compared with plaster ceilings, a test was conducted at the Columbia Testing Station, Brooklyn, N. Y., by the Associated Metal Ceiling Contractors of Greater New York. The reinforced concrete structure in which tests of this kind are made had been previously put in readiness for the occasion with six different panels, of which two consisted

of plaster ceilings and four of metal ceilings specified in the following manner:

Plaster on wood lath; plaster on metal lath; metal ceiling on wood furring; metal ceiling on metal-covered furring; metal ceiling on $\frac{7}{8}$ -inch wood sheathing; metal ceiling on wood furring and plaster boards nailed to wood beams.

The test lasted one hour and fifteen minutes with a heat of 1,700 degrees. The inspectors of the various departments having representatives present rendered tests in the order of their superiority as follows: No. 1, metal ceiling on plaster boards on wood furring; No. 2, metal ceilings on sheathing $\frac{7}{8}$ inch thick; No. 3, plaster ceiling on wire lath; No. 4, metal ceiling on metal-covered furring; No. 5, metal ceiling on wood furring; No. 6, plaster ceiling on wood lath. The plaster ceiling on wood lath fell 12 minutes after the test was started.

* * *

The output of plans by the Supervising Architect's office is governed by the extent of the technical force (designers, draftsmen, computers, superintendents, etc.) which the appropriations given by Congress permit the Department to employ.

"At this date the office of the Supervising Architect has on its books, waiting to be placed under contract, approximately \$38,500,000 worth of authorizations for new buildings and extensions, exclusive of the value of the land. This includes the new buildings and extensions in the act of 1913. This office is placing buildings and extensions under contract at the rate of about seven million dollars annually, so that at the present rate of progress the last of the buildings authorized in the act of 1913 will not have been placed under contract until about the beginning of the calendar year 1920. It will not be until after the latter date that it will be possible for the Supervising Architect to place under contract any buildings contained in any act, or acts, which may be passed in the meantime. The current program, made up of the remaining projects which were authorized prior to the 1913 act, includes about one year's work from this date. Work upon the plans for buildings authorized in the act of 1913 will therefore not commence until about July 1, 1915. The 1913 act contains the following authorizations: New buildings, 304; extensions to existing buildings, 23; total projects, 327."

The man who takes the stand that everybody knows his line and that his goods, for this reason, "sell without advertising," is as big a dunce in his way as that other idiot who claims to have "all the business he is able to handle." The best known book that ever was written is the Bible, and it's still advertised by firms who want to sell it. The biggest business ever organized is Standard Oil, but John D. is still reaching out for more.

No one suffers from a mean disposition like the fellow who has one.

BETTER BUILDINGS

[Editor's Note.—The article here reprinted, from the "Ohio Architect, Engineer and Builder," is interesting as showing the Middle West point of view. The writer is A. F. Moratz, a widely known Western architect.]

It is the intent of the writer to give in this article a few words of practical advice to those contemplating building. We have often observed structures which appeared substantial and enduring when first erected to have shown in a few years signs of decay, and we stop to determine the reason. Cracks in the walls have appeared caused by unequal settlement of the foundations, defective mortar has crumbled and fallen out of the joints. Then again we find the so-called galvanized iron which has been used for turrets, wall coping, buttress caps and what not, going to pieces. We find a piece of a substantial brick wall omitted to give space for a tin name plate. Would it not have been preferable to have omitted much of this tin ornamentation, often badly designed, and applied this expense to making the essential portions, such as wall coping and buttress caps of an enduring material?

The tendency of the times is toward the construction of buildings for to-day only, and unfortunately this seems to apply more to churches than any other building, which on the contrary, should be the most enduring of structures. The most regrettable feature of this matter is that the same amount of money that is expended on these buildings would build good, permanent and enduring structures.

The first and the most vital step in any building operation is the selection of an architect, upon it depending much of the ultimate success or failure of the project. The architect should be selected on the merits of his completed work, and upon his honesty and integrity. The works and the character of the man who is commissioned to plan and supervise the construction of a building should be thoroughly investigated before he is employed.

Competitions as they are usually conducted are not conducive to the best results. The distinction must here be made between a draftsman and an architect. A good draftsman would be able to produce a very fine drawing, whereas the executed work is very apt to be unsatisfactory.

Another point to be considered where open competition is resorted to, even when only good architects are competing is that men under these conditions will not thoroughly study and investigate the problem, consequently schemes will be presented that have been prepared in a hurried manner, the first that comes to mind. In order to be certain to obtain the best results, viewed from every phase, a problem in building must have the most careful study and investigation. This requires much thought, labor and expense, which men in competition cannot afford on account of the uncertainty of the result, and

is also the principal reason for the difference in fees charged by different men, as this same thought and labor applies not only to the general scheme, but to every detail of the building. Any good architect is able to present a scheme in a very short time, usually, in the opinion of the layman, a good enough solution. If the result, however, is to be correct and certain, every possibility must be considered and good judgment exercised in the selection of what is best.

After an architect has been selected it is important, if the best results are to be obtained, that his advice be heeded and his drawings and directions faithfully adhered to. Absolute confidence must exist on the part of the owner toward the architect both as to his honesty and ability as many matters may arise during the progress of the work that will test this confidence to the limit.

It often occurs that an architect is commissioned to prepare only the drawings and specifications of a building, leaving the supervision to someone else. I have not in my experience found this satisfactory. Architects are held to blame for defective work on these buildings by the public who do not know the conditions and even sometimes by the owners themselves.

Where several sites are under consideration it will be found advisable to consult with an architect on the selection, as an experienced man will often be able to offer some valuable advice in this connection. When locating a new building on a site, future buildings and additions to the present building should be most carefully considered. This is especially true in the case of institutions and in large or rapidly growing parishes.

(Continued on page 83.)

FASTER SYSTEM

MAXIMUM AT MINIMUM
EFFICIENCY AT COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



(Continued from page 78.)

Tinicum avenue. Cost, \$5,100. Dwellings, three, brick, 2 stories, 16x24 feet, Eighty-second and Botania avenue.

A. Wachs (O), 111 Pine street. Hoffman & Krauss (C), 1931 South Eighth street. Cost, \$2,100. Store and dwelling; brick, 3 stories, 15x30 feet, hot air heating, 1923 Germantown avenue.

Alterations and Additions

P. Espesto (O), 815 South Eighth street. Joseph Magnatto (C), 1124 South Seventh street. Cost, \$360. Store and dwelling, 720 Chestnut street.

General Manufacturing Co. (O), Weecoco and Snyder avenue. F. W. Van Loon (C), Denckla Building. Cost, \$13,000. Manufacturing, brick, 62x125 feet, Thirtieth and Market streets.

A. Litman (O), 4323 Germantown avenue. H. W. Yerger (C), 4430 North Nineteenth street. Cost, \$740. Store and dwelling, brick, 1 story, 14x42 feet, 4323 Germantown avenue.

Estate of Stephen Girard (O), Lafayette Building. R. B. Lederle (C), Witherspoon Building. Cost, \$600. Apartment house, 400 South Ninth street.

A. Coldville (O), Twenty-second and Fairmount avenue. J. T. McCorkel (C), 2104 North Fifth street. Cost, \$500. Store and dwelling, Twenty-first and Mount Vernon streets.

A. H. Leberman (O), Fifth and Wharton streets. S. Lashner (C), 1700 South Fifth street. Cost, \$810. Store, Front and Chestnut streets.

Bitner & Ward (O), 5216 North Second street. Lewis & Thorne (C), 1928 Van Pelt street. Cost, \$690. Wall, 5216 North Second street.

S. C. Kruss (O), 512 South Fifth street. Joseph Levin & Co. (C), 1530 South Sixth street. Cost, \$1,500. Office building, brick, 1 story, 15x14 feet, 512 South Fifth street.

S. Wright (O), 2326 East Cumberland

street. William Freisby (C), 2553 North Fifth street. Cost, \$2,400. Laundry, brick, 1 story, 18x110 feet, 2326 West Cumberland street.

Page & Shaw Co. (O), 123 South Thirteenth street. Graham Campion Co. (C), Heed Building. Cost, \$2,000. Store and factory, 1228 Chestnut street.

Gates Home-Made Candy Co. (O), 106 West Norris street. H. P. Schneider (C), York road and Erie avenue. Cost, \$1,000. Storage building, brick, 3 stories, 10x29 feet, York road and Erie avenue.

Joseph Judovick (O), 232 South Second street. Humphrey Const. Co. (C), 1618 Thompson street. Cost, \$500. Store and dwelling, 2 stories, brick, 10x12 feet, 623 South street.

M. Gee (O), 6322 North Camac street. F. & L. Davis (C), Thirteenth and Nedro streets. Cost, \$300. Garage, stone, 1 story, 13x16 feet, 6322 North Camac street.

William Stewart (O), 1615 Meadow street. Rush Bros. (C), 1100 Filmore street. Cost, \$3,900. Laundry, 1615 Meadow street.

J. H. Beniakow (O), 3908 Girard avenue. J. Chandros (C), 5121 Poplar street. Cost, \$500. Dwelling, 3906 Girard avenue.

Sutton & Stephenson (O), 1317 Washington avenue. Cost, \$1,500. Office, brick, 2 stories, 22x35 feet, 1317 Washington avenue.

Max Samson (O), 506 South Twelfth street. J. Newborn (C), 836 North Twelfth street. Cost, \$1,600. Store and dwelling, 501 South Twelfth street.

T. E. Page (O), 2302 Clearfield street. J. F. Crowe (C), 3127 Belgrade street. Cost, \$800. Store and dwelling, 2308 Clearfield street.

Shecter Bros. (O), 532 Watkins street. Cost, \$3,200. Apartment house, 3 stories, 15x24 feet, 731 Morris street.

G. H. Rapson (O), 51 North Sixth street. H. L. Roberts (C), 1512 Vine street. Cost, \$700. Store and warehouse, 519 Arch street.

Eckman & Haberman (O), 231 Mountain street. Cost, \$800. Shop, 16x55 feet, 433 Price street.

C. R. Simister (O), Manayunk, Pa. E. K. Tomlinson (C), 445 Market street. Cost, \$900. Factory, Cambria and Nixon streets.

W. Basher (O), 626 Christian street. F. Claus (C), 5348 Race street. Cost, \$1,000. Shed, 1 story, 26x62 feet, slag roof, Sheridan and Washington avenue.

Fidelity Mutual Life Insurance Co., 112 North Broad street. F. H. Vogdes (C), 4151 Leidy avenue. Cost, \$1,000. Office alteration and addition, 1409 Arch street.

B. Nardy (O), 1228 Fitzwater street. H. L. Schestack (C), 261 South Eighth street. Cost, \$800. Store and dwelling, brick, 1 story, 17x10 feet, 843 North Fortieth street.

D. R. Greenwood (O), 4647 Frankford avenue. C. West (C), 1036 Herbert street. Cost, \$2,000. Dwelling, 4647 Frankford avenue.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., January 28, 1915.—Sealed proposals will be received in this office until 3 o'clock P. M.

March 11, 1915, and then opened, for the mechanical equipment (except elevator) of the experiment station, United States Bureau of Mines, Pittsburgh, Pa., in accordance with drawings and specifications, copies of which may be obtained at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 28, 1915.—Sealed proposals will be received at this office until 3 P. M. March 11, 1915, and then opened, for the installation complete of an electric passenger elevator in the experimental station, Bureau of Mines, Pittsburgh, Pa., in accordance with the drawing and specification, copies of which may be had at this office in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 28, 1915.—Sealed proposals will be opened in this office at 3 P. M. on March 11, 1915, for the construction (except mechanical equipment) and approaches of the Experimental Station, Bureau of Mines, at Pittsburgh, Pa. Main building is three stories and basement; of about 29,000 square feet ground area; concrete and brick facing; fireproof construction (except the roof) and slate and composition roof. Boiler house is one story; of 13,500 square feet ground area; concrete faced; fireproof construction and composition roof. Drawings and specifications may be obtained from the engineer in charge, Bureau of Mines, Experiment Station, Pittsburgh, Pa., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

HOSPITAL BUILDING.

Notice to Contractors.

Notice is hereby given that the Board of Directors of the Emergency Hospital will, until noon on the 20th day of February, 1915, receive at their office in Easton, Maryland, sealed bids for the furnishing of all material and labor necessary to erect and complete a three-story brick Hospital about 100 feet long and 40 feet wide.

Plans and specifications can be seen at the present Hospital in Easton or can be obtained of the Architects, Guy King & Co., 1513 Walnut street, Philadelphia, Pa., for the usual fee.

All bids must be accompanied by a certified check for five per centum of the contract price, which checks will be returned to the unsuccessful bidders.

The successful bidder will be required to furnish a bond to cover the amount of the contract.

The Board of Directors reserve the right to reject any and all bids or to accept any bid irrespective of price which seems to them most advantageous. Address

HAMPTON HOWELL, Secretary,
Easton, Talbot Co., Md.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 1, 1915.—Sealed Proposals will be opened in this office at 3 P. M., March 22, 1915, for the construction complete (including mechanical equipment—except elevator, lighting fixtures and approaches) of the United States Post Office and Court House at Brattleboro, Vermont. Three story and basement, fireproof building; ground area, 6,225 square feet; stone and brick facing. Drawings and specifications may be obtained after February 11, 1915, from the Custodian of site at Brattleboro, Vermont, or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

BETTER BUILDINGS.

(Continued from page 81.)

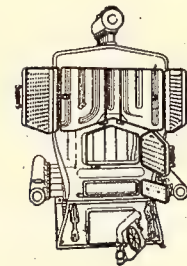
Where a maximum amount that a building is to cost must be named, as is usually the case, this amount should be given the architect; the conscientious man will endeavor to remain within this limit. Owing to the variation in the proposals from contractors and in local conditions which are often difficult to foresee, the estimate on the cost of a proposed building often resolves itself more into a matter of judgment than of figures. The cost of a building cannot be definitely known until complete drawings and specifications are prepared and proposals received. However, by a careful calculation of the labor and material and the exercising of experienced judgment and by comparison with completed buildings an estimate can be given sufficiently accurate for practical purposes.

The style of architecture should be left largely to the architect. Permanent existing buildings belonging to the same group or prominent buildings in the near vicinity will affect the decision. The cost of the building and the personal preference of the owner will frequently have much bearing on this matter. With the many good styles of architecture in existence, it is to be regretted that there is so much sameness in church building. What a beautiful interior could be produced in the Roman Basilica style like St. Paul's, Rome, or exterior in the Romanesque like St. Theresa's, Rome, in the Renaissance like St. Peter's, Rome, the English Gothic, or the Byzantine, any of which are good if executed faithfully. In any case it is best by far to build a substantial permanent structure of good material, adhering strictly to the proportions and details in a style that can be built for the appropriated amount in preference to the reverse in another style of architecture.

It would be preferable if more time were allotted than is customary to the preliminary sketches and also to working drawings and specifications of the building. Ample time should also be allowed for the preparation and receiving of proposals. Before awarding the various contracts the work and character of the men under consideration should be carefully investigated and only reliable and conscientious men employed. All contracts should be written on blanks known as the "uniform contract," and all contractors should give bond for the amount of the contract. All bonds should remain in effect for two months after the final completion and acceptance of the work. Drawings and specifications should have the most thorough study and inspection before letting the contract, but in case any additions or alterations, even of the most minor nature are found necessary, such alteration or addition should be made upon written order of the architect, strictly according to contract before work on such addition or alteration is commenced. Many lawsuits in connection with building operations would be avoided if all matters pertaining thereto were placed in writing in proper form.

Cost will largely determine the selection of materials; after that permanency should

be the determining factor. The color and kinds of material, their size and disposition should be left to the discretion of the architect, and should conform to the style of architecture. It is far preferable to omit ornamentation, unless it can be executed in permanent material in good taste and correct style. In the selection of material only those having had a thorough test in the location in which they are to be used should be considered. Medium hard burned brick of regular form and concrete reinforced where required are good materials for structural parts of footings and walls. Close grained stone, terra cotta marble or granite may be used for exterior walls wholly or in part where funds permit. Hollow tile is a good material for the structural part of floors, and for walls where the lateral strain is not too severe. Stucco for exterior walls on hollow tile makes a good construction where properly handled. Where competent and thorough inspection is not possible, stucco should be avoided as much as possible, as should also extensive operations in concrete construction. Mortar being under the most favorable conditions, the weakest part of the wall, should be of the best quality and most carefully inspected. Avoid slow setting ingredients in mortar; Portland cement, one part to sand two parts, makes good mortar. It would be impossible for me to lay too much stress on the importance of good mortar; if the mortar is defective, the walls and the building are most seriously defective. Wall copings where required should be carefully inspected and made of the most permanent material. If water is permitted to penetrate a wall through wall coping or otherwise, it will soon disintegrate. It would often be possible to construct much of the structural parts of a building of masonry instead of wood without any very material increase in cost; this is certainly to be preferred, as it is practically impossible when wood is used for studding and joist to avoid future cracked plaster and other troubles caused by the shrinkage. Where wood trusses are used for roofs and other portions of the building they should be designed so that excessive shrinkage will not occur at the joining of the various members. Where plaster surfaces come in direct contact with the trusses, steel is much to be preferred. For roofs and for all sheet metal work copper is the best material. Proper provision, however, must be made in all copper work for contraction and expansion, otherwise the work will break at seams. When tin is used care must be taken to keep it well painted, otherwise it will disintegrate rapidly. For pitched roofs the best qualities of slate are very good. For flat roofs, tar and gravel may be used where the cost of copper is prohibitive. For floors, compressed cork, marble slabs or terrazzo are very fine, where funds will permit of their use. Wood floors of maple, oak or yellow pine in narrow strips, side and end matched, well driven up and blind nailed to each bearing, treated with boiled linseed oil or varnish as condition may require, make a good floor. Wood for interior finish should be thoroughly seasoned and kept absolutely

—MILLS—**"Recommendation"**

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

February

The Shortest Month

Is also the month of quick temperature changes. Safeguard your health by having on hand an ever-ready Copper Reflector Gas Heating Stove. You have heat the instant you light the gas.

Prices \$2.85 to \$10.85

(Connections Extra)

Sold on the Deferred Payment Plan. At stores or from representatives.

The United Gas Improvement Company

dry and should not be brought to the building until the plaster is dry. The treatment of walls and ceilings and interior finish will depend on the style of architecture and the general character of the building. Marble and Mosaics have wonderful possibilities, as yet undeveloped in this country, for the treatment of walls and ceilings in Romanesque and Renaissance work. Wood ceilings may be used for Gothic work where stone or brick vaulting is prohibitive. Patent plaster when properly handled and applied on a solid back-

ing is a good permanent material. Sham should be avoided both in the structural and finished portions of the construction.

In conclusion, more care in proportioning footings to the loads which they are to carry, better mortar and concrete, avoiding useless tin ornaments on the exterior, better protection for exposed portions of walls, using less wood and more masonry for structural parts, accepting only the best work in the construction generally, and we will have more permanent buildings.

REBUILDING THE EDISON PLANT.

The American Concrete Institute has appointed a special committee to investigate the behavior of the concrete buildings in the Edison plant at West Orange during the conflagration. The committee consists of Cass Gilbert, the well-known architect, chairman; E. J. Moore, of the Turner Construction Co., New York, secretary; Walter Cook, architect; J. Max Taylor, architect; R. P. Miller, of the New York building department; W. H. Ham, engineer, of Boston; Prof. Charles L. Norton, of the Massachusetts Institute of Technology; Richard L. Humphrey, consulting engineer, of Philadelphia, Pa. The first step toward rebuilding was the leasing of two complete cement-gun outfits from the Cement Gun Company, of New York City. It is the intention to use these machines in repairing the damaged columns and girders, though the precise methods of repair have not been fully decided upon. Steel window sash with wire glass are being installed in some of the burned-out buildings.

A PROSPEROUS BUSINESS MAN.

The prosperous business man of to-day is only prosperous because, first, he invests sufficient money in his business to perform it properly, whether invested at one time or after a series of years from his profits; second, he takes the time to learn the methods of his successful competitors, study his own faults and eliminate them; third, he knows his costs—determines his selling price in order to make a profit; fourth, the quality of his goods is in accordance with his sales price.

The virtue of "prudent management" is one of the essentials of a prosperous business. The man who is blessed with that virtue has one of the three important factors that go to make success. Yes, he makes money; he can't help it; but, tell us, are you one of those? Don't answer that question out loud, but just whisper it in your own ear. Besides you have a handy barometer—your bank balance.

To study one's business will keep your mind employed just about all the time you have and then you will find you have overlooked something. Somebody said: "Forgets do not count," but we are human, not angels. You ask: "What shall I study?" Well, let us see. There is your customer—study his interest, the mechanical efficiency in your

shop, your books, your profits, your men, your own ability to sell and to buy, developing new trade, cost and expense accounting, collection and credits—quite a list that. And, by the way, can you discover any factor of "luck" in any of the foregoing brain morsels? You cannot. Well, we can't either.

But that is just what the fellow is doing that somebody calls "lucky."—"Sheet Metal."

REDUCTION OF HEAT LOSSES.

Nature provides winter coats for the animals that must remain out in the cold. We learned long ago to insulate our bodies partially against the cold with warmer winter clothing. Have we approached seriously the application of this idea to our buildings? We refine the artificial heating plant, spend time and dollars and skill and genius in elaborating the heat transmitting appliances and the fuel consuming devices with no more than a cursory investigation of the type of construction of the building, and with no effort to influence the construction of the building so as to reduce the heat losses.

Many of us, I believe, stand convicted of crime in this regard against future generations. There are instances available where 5 per cent. of the cost of the building, expended on heat transmission insulation rather than on a larger heating plant, saved in fuel charges alone its cost within three years. The field this opens up is almost unexplored. We know, however, how much more efficient as regards heat insulation is an ordinary sawdust packed icehouse than an ordinary dwelling, and how much longer heat is retained in an ordinary fireless cooker than in any part of the best insulated transmission department of an ordinary heating plant.

Improvements Needed in Building Construction.

We know that poor insulation of walls and windows is the greatest enemy of good ventilation, preventing proper diffusion of the fresh air. We know that tight windows or storm sash permit of very considerable fuel savings. We know that warm winter buildings are cool summer buildings. We know that a \$10,000 investment with a 5 per cent. interest charge is better for the borrower than an \$8,000 investment with a 20 per cent. interest charge. We seem, however, unable to get perspective enough to use this knowledge, else buildings with rattling windows and no storm sash, thin walls, cold attics and cellars, direct-indirect radiators, unduly high ceilings, single slab roofs, etc., coupled with the most elaborate and expensive heating plants, would cease to exist.—"The Heating and Ventilating Magazine."

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

BUILDING A CONCRETE CHIMNEY.

An examination of fire statistics would show that defective flues are the cause of a great majority of the fire that occur in dwellings. It is an old saying among architects that money put into a thoroughly good chimney is never wasted. So far as safety from fire is concerned, the chimney is the most important structural feature of a building. But almost countless fires have shown that careless workmanship, and in some cases bad design, in chimney construction prevail to an alarming extent.

A properly constructed chimney should be a seamless monolith, and in recognition of this fact builders are now using concrete. Concrete chimneys are poured in a plastic state and harden into so much solid stone. They have no joints, and sparks or burning soot cannot come into contact with surrounding woodwork.

Small concrete chimneys can be constructed in two ways. An outer and inner wooden form, between which the concrete is poured, can be used, or the inner form may consist of a clay or concrete tile, either round or square in section. Where the tiles may be procured easily, it is a more simple operation to use them for the inner form.

All chimneys, regardless of size, should have good foundations. If the chimney is not carried down to the depth of the cellar, it should have the foundations at least below frost line. For ordinary conditions a depth of three feet below ground level will suffice. The foundation consists of a concrete slab 12 or 18 inches thick and 9 inches larger on every side than the outside dimensions of the chimney. Where the house is constructed with concrete walls, the chimney is cast as an integral part of the walls, and, consequently, needs no separate foundation.

Green Asphalt Shingles:

The Asphalt Ready Roofing Company, No. 9 Church street, New York, in the manufacture of the Green Hudson Asphalt Shingle, have taken great pains to produce an article which will be artistic, fire-resisting, permanent and easy to lay. The contractor who uses them will find he can lay them faster and that they will mean a saving in fire insurance to the owner. The Asphalt Ready Roofing Company will be glad to hear from contractors as well as send them samples and other information.

THE "DEN" DEFINED IN VERSE.

What is a den?

A den is when
The broken chairs,
The rugs with tears,
The pictures cracked,
The table hacked,
The tickless clock,
Desk that won't lock
Are gathered in a heap by Ma
And put into a room for Pa.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son,
11th and Ontario sts., Phila.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Chas. Warner Co., Land Title Bldg., Phila.
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Flag Poles (wood and steel).

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co.,
Fidelity Bldg., Phila.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.

Brinkmann Bros., 2615 Frankford ave., Phila.

Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.

O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,

3 W. 29th St., New York.

and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,

Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,

Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,

Real Estate Trust Bldg., Phila.

Benjamin Foster Co.,

22nd and Sedgley ave., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.

Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,

1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,

1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,

Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

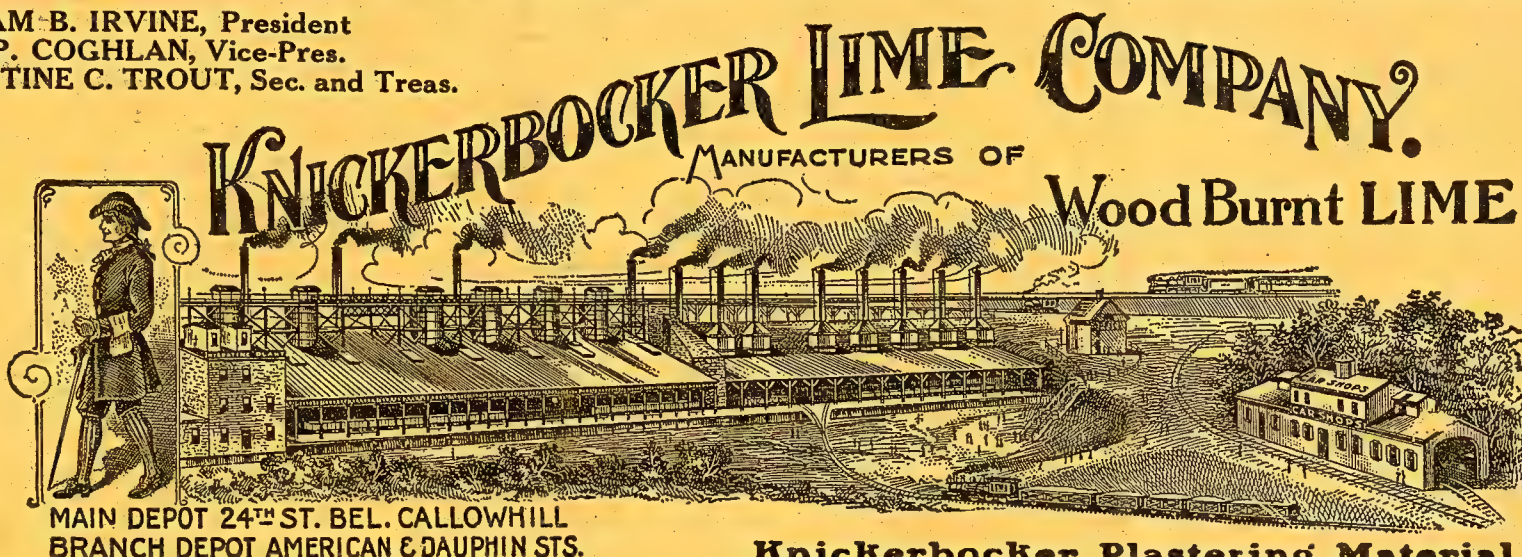
Rough Texture Brick in Golden, Gray and Red Groups

WILLIAM B. IRVINE, President
JOHN P. COGHLAN, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF

Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.

IMPERVITE
is Guaranteed
to Waterproof
Walls, Cellars &
Pits.

Send for Book 63
3/4 facing of IMPERVITE MORTAR
on the inside will resist water

The STANDARD PAINT Co. N.Y.

RUBER-OL
The Original Ready Roofing

For over 20 years
The Standard

Send for Book 632

THE STANDARD PAINT CO., New York

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 6.

PHILADELPHIA, WEDNESDAY, FEBRUARY 10, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



"Quality First"
**PEERLESS
MORTAR COLORS**

Brightest
Strongest
Unfading

Manufacturers also of the Famous
BUCK WHITE LEAD—A combination white paint
CROWN PAINTS—Ready mixed, semi-liquid, paste
COLORS—in oil, Japan, distemper, dry
VARNISHES—Elastic, durable, lustrous

We Set and Sell
TILES, MANTLES, FIREPLACE FIXTURES

SAMUEL H. FRENCH & CO.

York Ave., Fourth and Callowhill Sts.

Established 1844

PHILADELPHIA

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

Correspondence Solicited.

Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

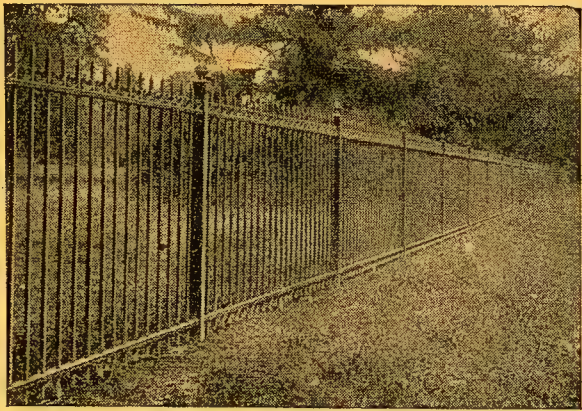
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Court, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

CHAS. H. KOHN & CO.

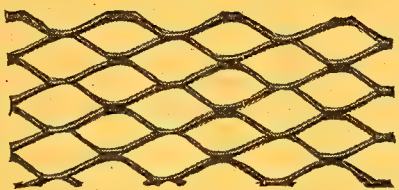
Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO"

Expanded Metal Lath



"Bilco" Diamond Mesh

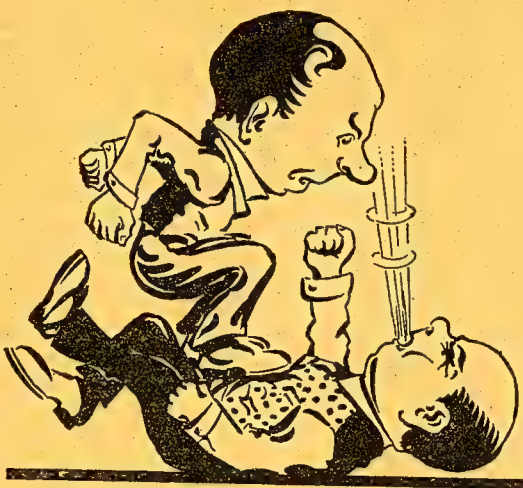
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

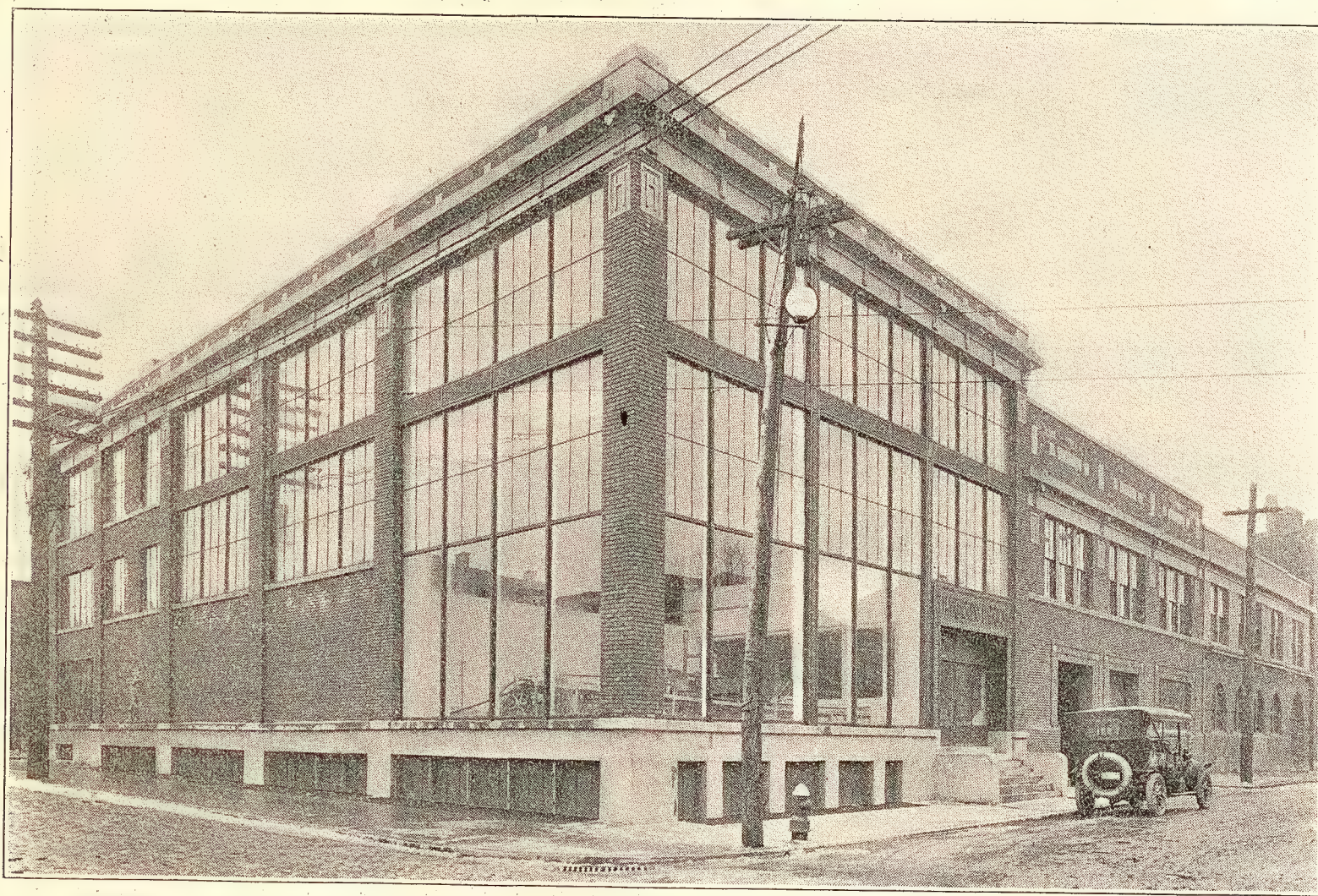
We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia



SAUMS PRESERVATIVE

Will Make
Floors Absolutely Sanitary



HARBISON'S DAIRIES
Front and Diamond Streets

Stearns & Castor, Architects,

**Wood Floors in this Modern Dairy Treated with
SAUMS PRESERVATIVE**

**Constant Scrubbing has no Effect on Floors
Treated with Saums**

**Prevents DRY ROT and SPLINTERING
PERMANENT**

THE SAGENDORPH COMPANY

131-133 SOUTH 24th STREET

: :

PHILADELPHIA, PA.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

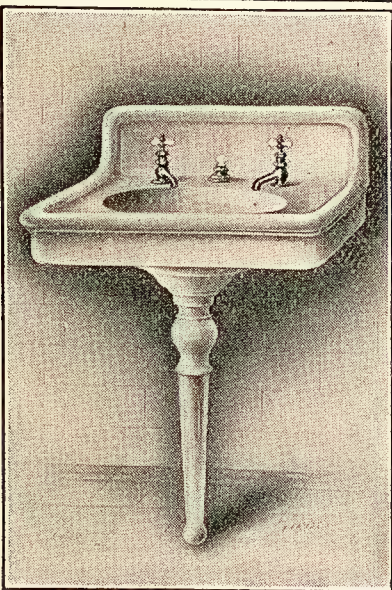


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Catalogue D.*

Specify "CAPOCO" Ware for your
Bath Rooms on particular work

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing @
Land Title Bldg., Phila., Pa.

UNIFORM CONTRACT FORMS

As adopted and recommended by the American
Institute of Architects

"Standard" Blanks for the Building Trade.

Certificate Books.

Builders Levels, Transits and Rods from
\$15.00 up. Measuring Tapes.
Blue Printing.—Drawing Materials.

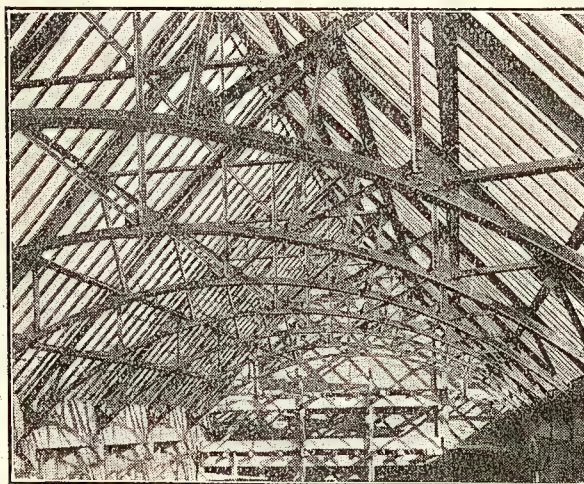


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

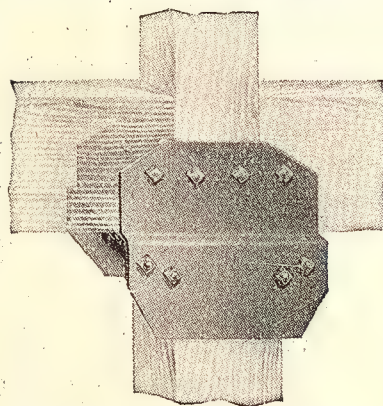
Structural Steel

Steel Towers

Ornamental Iron
Work

Concrete Designs

BUILDERS' SPECIALTIES



DUPLEX STEEL POST CAPS
and HANGERS are Labeled and
Approved by the National Board
of Fire Underwriters.

Duplex Post Caps
Wall Plates
Wall Hangers
Cleanout Doors
Joist Anchors
Joggles

Duplex Post Bases
Joist Hangers
Wall Ties
Ash Drops
Stone Anchors
Cellar Doors
Concrete Inserts

All Carried in Stock for Immediate Shipment

Write for Catalog and Discounts

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-32

BAIRD-OSTERHOUT CONSTRUCTION CO.

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 6.

PHILADELPHIA, WEDNESDAY, FEBRUARY 10, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Restaurant, 1030 Filbert street, Philadelphia. Architect, Charles W. Denny, Hale Building, Philadelphia. Owner, William Koch, 249 South Eleventh street, Philadelphia. Brick and terra cotta, 18x76 feet, slag roof, hot water heating, electric lighting. Architect taking bids, due February 20th. The following are figuring: George & Borst, 277 South Eleventh street; William R. Dougherty, 1610 Sansom street; A. R. Raff, 1635 Thompson street; H. C. Rea Co., 1027 Wood street; T. C. Trafford, 1613 Sansom street; Harry Gill, Jr., 2515 Germantown avenue; Smith-Hardican Co., 1606 Cherry street; George Hogg, 1634 Sansom street, all of Philadelphia.

Bank Building, 1416-18 Chestnut street, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owners, Franklin National Bank, J. B. McAllister, President, Franklin Bank Building, Philadelphia. Stone, brick and steel, fireproof, not decided as to number of stories. Plans about to be started.

Store and Dwelling (alt. and add.), 1020 Pine street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Jacob Weinstein, Drexel Building, Philadelphia. Brick, 3 stories, 20x75 feet, electric lighting, steam heating. Owners taking sub-bids.

Hospital (add.), Broad and Wolf streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Methodist Hospital, on premises. Stone, fireproof, 1 story, consists of new maternity wards. Plans in progress.

Residences (58), Fifty-fourth and Woodland avenue, Philadelphia. Architect, private plans. Owners, Levick & Waldow, 1829 South Seventh street, Philadelphia. Brick and stone, 2 stories, 16x40 feet, slate and slag roof, steam heating, electric lighting, oak floors. Plans about to be started.

Hospital (alts.), Fifteenth street, above Race street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Hahnemann Hospital, on premises. Consists of new fire tower and sun parlors. Revised plans in progress.

Manufacturing Building, Eleventh and Brandywine streets, Philadelphia. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Ed. J. Schoettle Co., 237 North Sixth street, Philadelphia. Reinforced concrete, 8 stories, 100x112 feet, slag roof, electric lighting, elevators, steam heating. Plans about completed. Architect will be ready for bids in two weeks.

Apartment House, Twenty-first and Venango streets, Philadelphia. Architects, Borzner & Wood, 721 Walnut street, Philadelphia. Owner, Horace K. Reed, 403 Morris Building, Philadelphia. Brick, 3 stories, 31x67 feet, slag roof, steam heating, electric lighting, waterproofing, metal lath. Architects have received bids.

Residences (30), Sixty-sixth and Limekiln Pike, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Model Building Co., 310 Morris Building, Philadelphia. Brick, 2 stories, tin and slag roofs, hot water heating, gas and electric lighting, parquet floors. Owners taking sub-bids on all lines.

Factory, Eighteenth and Cambria streets, Philadelphia, \$25,000. Architects, private plans. Owners, Linde Air Products Co., Forty-second street building, New York City. Brick and concrete, 3 stories, 108x124 feet, slag roof, electric lighting. Owners taking sub-bids.

Residence (alt. and add.), 2307 North Park avenue, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, H. L. Becker, 908 Chestnut street, Philadelphia. Brick, 3 stories, oak floors (heating and lighting reserved). Architects have received bids.

Residences (10), Washington lane and Myland avenue, Germantown. Architect, private plans. Owner, F. C. Michaelsen, 211 South Forty-seventh street, Philadelphia. Brick, 2 stories, 17x45 feet, slag roof, steam heating, electric lighting, oak floors. Plans in progress. Owner will take sub-bids.

Residences and Stores (77) Frankford avenue and Venango street, Philadelphia \$154,650. Architect, private plans. Owners, Lupowitz & Solomon, 429 Snyder avenue, Philadelphia.

Brick, 2 stories, 15x30 feet, slag roof, hot air heating, electric and gas lighting, oak floors. Owners taking sub-bids.

Hospital, 1413 to 1417 South Twenty-second street, Philadelphia, \$50,000. Architect, E. Simpson Lemmon, P. O. box 389, Philadelphia. Owner, Mercy Hospital, care of Dr. A. B. Jackson, 770 South Eighteenth street, Philadelphia. Brick, terra cotta and steel, fireproof, 3 stories, 32x112 feet, 48x30 feet, in-laid slate or tile roof, steam heating, electric lighting, electric elevator, iron stairs, composition floors. Plans in progress.

Fire House, Byberry, Philadelphia, \$28,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owner, City of Philadelphia, care of George D. Porter, Director, City Hall. Stone and brick, 1 story, slag roof (steam heating and electric work reserved). Owners taking bids, due February 16th, at noon. Plans may be obtained from architects. Abel Bottoms & Sons Co., 41 South Fifteenth street, Philadelphia, are figuring.

Steam Heating and Piping, Eleventh and Reed streets, Philadelphia. Architects, Balingier & Perrot, 1211 Arch street, Philadelphia. Owner, City of Philadelphia, care of George D. Porter, Director, City Hall. Consists of high pressure steam piping and heating system for Municipal Repair Shop. Owners taking bids, due February 16th, at noon. Plans may be obtained from architects.

Convent, Eleventh and Master streets, Philadelphia. Architect, Henry D. Dagit, 411 Walnut street, Philadelphia. Owner, St. Malachi's R. C. Church, on premises. Stone, 3 stories, 58x76 feet, slag roof, electric lighting (plumbing and heating reserved). Plans completed. Architect ready for bids.

Residence, Camae street, north of Cheltenham avenue, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, J. Harris, care of architect. Stucco, 2½ stories, shingle roof, vapor heating, electric lighting, hardwood floors. Plans in progress.

Bath House, Theatre and Residences (4), Thirty-first and Wilt streets, \$100,000. Architects, B. J. Medoff & Sons, 524 Walnut street,

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

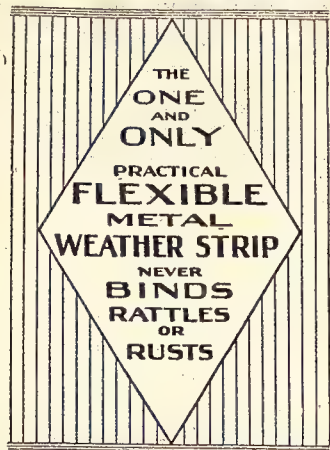
Made on
TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



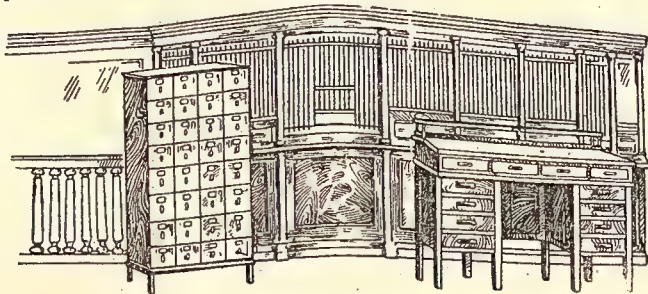
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.

Philadelphia. Owners, Joseph Fisher & M. Lessey, 722 Sansom street, Philadelphia. Brick and steel, fireproof, 2 and 3 stories, 92x

130 feet, slag roof, hot water heating, electric lighting, oak floors, metal frames and sash. Plans completed. Architect ready for bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Warehouse, Reed and Swanson streets, Philadelphia, \$4,000. Architect, private plans. Owners, Spreckle Sugar Refining Co., Reed and Meadow streets, Philadelphia. Brick, 1 story, 35x104 feet, slag roof. Work started.

Garage, Oak Lane, Philadelphia. Architect, Valentine B. Lee, Oak Lane, Philadelphia. Owner, G. V. B. Leitch, Oak Lane, Philadelphia. Stone and frame, 2 stories, 19x20 feet, slate and shingle roof, electric lighting. Contract awarded to C. E. Lloyd, Jr., Oak Lane, Philadelphia.

Store (alt. and add.), Germantown and Cheltenham avenue, Philadelphia, \$3,100. Architects, Guy King Co., 1527 Walnut street, Philadelphia. Owners, Smyser & Scott, on premises. Brick, 4 stories, slag roof, steam heating, electric lighting. Contract awarded to A. P. Fraim, 319 Market street, Philadelphia.

Bath House, 728 to 734 Snyder avenue, Philadelphia. Architect, J. E. Feldstein, 211 Hale Building, Philadelphia. Owner, Philip Silverman, 312 Carpenter street, Philadelphia. Brick and stone, 2 stories and basement, 64x113 feet, slag roof (heating and lighting reserved), composition floors. Contract awarded to Samuel Lashner, Fifth and Morris streets, Philadelphia.

Store and Residence (alt. and add.), 5713 Germantown avenue. Architect, private plans. Owner, Charles Manzi, 5713 Germantown avenue, Philadelphia. Brick, 1 story, 10x15 feet, slag roof. Contract awarded to George C. Fossell, 128 East Cheltenham avenue, Germantown, Philadelphia.

Bird House, Thirty-fourth and Girard avenue, Philadelphia, \$60,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owners, Zoological Society of Philadelphia, on premises. Brick, concrete and glass, 1 story, 78x143 feet, slag roof, slate roof (heating and lighting reserved), metal lath. Contract awarded to J. S. Cornell & Sons, Land Title Building, Philadelphia.

Bank Building (alts.), Germantown and Cheltenham avenues, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, Germantown Trust Co., on premises. Consists of new balcony, cabinet work, metal lath, brass railings. Contract awarded to George S. Roth & Sons, 230 East Graver's lane, Germantown.

Store and Apartment (alt. and add.), 2215 North Broad street, Philadelphia. Architect, private plans. Owners, Wright & Wright, 1930 West Susquehanna avenue, Philadelphia. Brick, 3 stories, 19x100 feet, consists of interior alteration and addition, steam heating (electric lighting reserved). Contract awarded to S. B. MacDowell & Son, 1927 Montgomery avenue, Philadelphia.

Storage Building, Twenty-fourth and Wood streets, Philadelphia, \$5,000. Architect, pri-

vate plans. Owners, Ford & Kendig Co., on premises. Galvanized iron and steel, 1 story, 54x109 feet, galvanized iron roof. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue, Philadelphia.

Ice Storage House, Third and Norris sts., Phila., \$60,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Norris Market Ice Manufacturing Co., on premises. Brick, steel and concrete, 2 stories, 80x110 feet, slate roof, electric lighting, asphalt floors, metal lath. Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

Storage Building, Fourth and Washington avenue, Philadelphia, \$5,000. Architect, private plans. Owners, Southwark Foundry Machine Co., Fifth and Washington avenue. Galvanized iron and steel, 1 story, 31x70 feet, galvanized iron roof. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue, Philadelphia.

Parish House (alts.), Sixty-first and Cedar avenue, Philadelphia, \$2,000. Architect, Geo. T. Pearson, 427 Walnut street, Philadelphia. Owner, St. George's P. E. Church, Rev. G. L. Smith, 6101 Cedar avenue, Philadelphia. Consists of completion of first floor, mill work, plastering (electric work reserved). Contract awarded to Sinclair & Driscoll, Weightman Building, Philadelphia.

Store (alt. and add.), 249-251 North Broad street, Philadelphia, \$1,500. Architect, private plans. Owner, J. W. Parker, 6120 Greene street, Germantown. Brick, 3 stories, slag roof, electric lighting. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

Church, Second and Tabor road, Philadelphia, \$26,000. Architect, George T. Pearson, 427 Walnut street, Philadelphia. Owner, St. Albans, P. E. Church, Rev. A. C. Knowles, 555 Pelham road, Philadelphia. Stone, limestone interior, 1 story, 48x58 feet and 26x32 feet, slate roof, steam heating (electric work reserved). Contract awarded to Sinclair & Driscoll, Weightman Building, Philadelphia.

Parish House, West Penn street, Germantown, Philadelphia, \$17,000. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owner, Trinity Lutheran Church, on premises. Brick and stone, 2½ stories, 40x60 feet, slate roof, steam heating, electric lighting. Contract awarded to Burd P. Evans Co., Thirteenth and Wallace streets, Philadelphia.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

UNITAS TILING

A non metallic substitute for tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

PENNSYLVANIA Construction News

Association Building, Scranton, Pa., \$50,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owners, Young Men's Hebrew Association, 440 Wyoming avenue, Scranton. Brick and stone, 3½ stories, 70x96 feet, slag roof, steam heating, gas and electric lighting, hardwood boors, tile work, metal lath, dampproofing and waterproofing, metal lockers. Plans about completed. Architect will take bids in one week.

Masonic Temple, Wilkes-Barre, Pa., \$75,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owner, Masonic Temple, H. N. Rust, chairman Building Committee, Masonic Temple, Wilkes-Barre, Pa. Brick and terra cotta, 4 stories, 58x120 feet, slag roof, steam heating, gas and electric lighting, tile work, hardwood boors, metal frames and sash, safety treads, metal lockers, waterproofing and dampproofing. Plans about completed. Architects will take bids in one week.

Church, Bloomsburg, Pa., \$28,000. Architects, H. B. Long & Co., Miners' Bank Building, Wilkes-Barre. Owner, Church of Christ, Rev. C. V. Huffer, Bloomsburg, Pa. Brick and terra cotta, 2 stories, 60x100 feet, asbestos shingle roof, steam heating, electric lighting, composition floors, metal lath, waterproofing, tile pool. Plans in progress.

Almshouse, Blakely, Pa., \$35,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, Poor Board of Blakely Borough, Blakely, Pa. Brick, 2½ stories, 48x96 feet, slate roof, steam heating, electric lighting, composition floors, metal lath, dampproofing, iros stairs. Plans in progress.

Warehouse, Wilkes-Barre, Pa., \$7,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre. Owner, M. J. McLaughlin, 124 South Washington street, Wilkes-Barre. Brick, 2 stories, 41x70 feet, slag roof, electric lighting. Owner is taking bids.

Store Building, Pittston, Pa., \$3,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre. Owner, James A. Redington, Pittston, Pa. Brick, 1 story, 32x52 feet, slag roof, steam heating, electric lighting. Owner is taking bids.

Residence, Scranton, Pa., \$12,000. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, G. C. Ries, Dickson City, Pa. Frame and stucco, 2½ stories, 32x45 feet, tile roof, steam heating, gas and electric lighting, metal lath, tile work, hardwood floors. Plans in progress. Owner will take sub-bids.

Theatre and Hall, West Chester, Pa., \$25,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owners, Brown Auto Supply Co., West Chester, Pa. Brick, 2 stories, 95x52 feet, slag roof, steam heating, electric lighting, maple floors. Owner has received bids.

Stores and Apartments (alt. and add.), Honesdale, Pa., \$10,000. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, O. O. Dittrich, Honesdale, Pa. Brick, 3 stories, 40x40 feet, steam heating, electric lighting, metal ceilings. Plans in progress.

Residence, Hazleton, Pa., \$5,000. Architects, H. B. Long Co., Miners' Bank Building, Wilkes-Barre, Pa. Owner's name withheld. Frame, 2½ stories, 30x48 feet, slate roof, hot air heating, gas and electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Hazleton, Pa., \$6,000. Architects, H. B. Long Co., Miners' Bank Building, Wilkes-Barre, Pa. Owner's name withheld. Frame, 3 stories, 28x42 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work, metal weather strips. Plans in progress.

Garage and Apartments, Scranton, Pa. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, L. V. Decker, 211 Arthur avenue, Scranton, Pa. Brick and stucco, 2½ stories, 36x38 feet, slag roof, steam heating, gas and electric lighting, metal lath, metal ceilings. Owner is taking bids.

Residence, White Haven, Pa. Architect, Henry A. Maier, Wilkes-Barre, Pa. Owner, Elwell Stockdale, White Haven, Pa. Frame, 2 stories, 40x34 feet, shingle roof, steam heating, electric lighting, hardwood floors, tile work. Architect ready for bids.

Dairy Building (alt. and add.), Scranton, Pa., \$2,500. Architect, private plans. Owners, Conrad Dairy Co., Larch and Mousey avenues, Scranton, Pa. Frame and brick, 2 stories, 38x40 feet, slag roof, electric lighting, concrete floors. Owner is taking bids.

Bank Building, Chambersburg, Pa. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owners, Valley National Bank, Chambersburg, Pa. Brick, granite and marble, 2 stories. Plans in progress. Architects are taking bids on granite and marble work.

Power House, Glen Riddle, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Estate of Daniel Lees, Glen Riddle, Pa. Brick and concrete, 1 story, 50x34 feet, slag roof, metal sash, steel curtains. Architect taking bids, due February 10th. The following are figuring: Joseph Bird Co., 213 North Eleventh street; A. L. Fretz & Sons, 1222 Chancellor street; H. E. Grau Co., 1709 Sansom street; Charles McCaul Co., 1713 Sansom street; H. E. Baton, Twelfth and Sansom streets; Stacy Reeves & Sons, 2011 Market street; J. Richard Jackson, Perry Building; Jacob Myers & Sons Co., Witherspoon Building; George Hogg, 1634 Sansom street, all of Philadelphia.

Cottage, Laurelton, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, Home for Feeble Minded Women, care of State of Pennsylvania. Stone, 2½ stories, 40x70 feet, slate roof, steam heating, electric lighting, composition floors, safety treads, metal lath. Plans about completed. Ready for bids in 2 weeks.

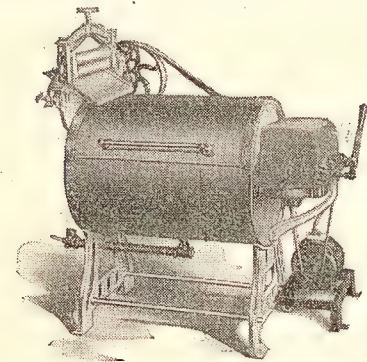
Twin Residence, Easton, Pa., \$4,200. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, Lennox & Keyes, Easton National Bank Building, Easton, Pa. Brick and shingle, 3 stories, 32x40 feet, slate and tin roof, hot air heating, gas and electric lighting. Plans in progress.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG,
PHILADELPHIA. PA.



HARRY C. EISENBISE CO. Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

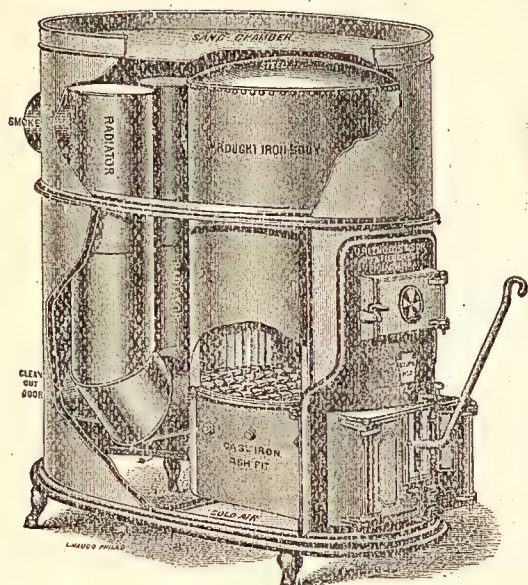
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

J. W. COLQUHOUN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting
Painter and Decorator
Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Residence (alt. and add.), Allentown, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Dr. Martin Estate, Allentown, Pa. Brick, 2 stories, 22x28 feet, slate roof, hot water heating, gas and electric lighting, hardwood floors, tile work. Owner taking sub-bids.

Workmen's Cottages (200), Palmerton, Pa., \$320,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Palmerton Land Co., Palmerton, Pa. Frame, 2½ stories, 28x28 feet each, slate roofs (heating and lighting not decided). Owners are ready for sub-bids.

Office Building, Bethlehem, Pa., \$10,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Vanderstucken-Ewing Const. Co., Bethlehem, Pa. Brick, 2 stories, 28x56 feet, slag roof, steam heating, electric lighting, composition floors, tile work. Owners are taking sub-bids.

Residence and Garage (alt. and add.), Newtown Square, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 60x80 feet, shingle roof, hot water heating, electric lighting, oak floors. Architects taking approximate bids. Jacob Myers & Sons, Witherspoon Building, Philadelphia, are figuring.

Residences (6), Noble, Pa., \$70,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, John Wanamaker, care of W. L. Nevin, Thirteenth and Market streets. Stone, frame and plaster, 2½ stories, slate, tile and shingle roof, hot water heating, electric lighting, hardwood floors and tile floors. Owner will take sub-bids on all lines.

School, Myerstown, Pa., \$30,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, E. L. Bleistein, Secretary, Myerstown, Pa. Brick and stone trimmings, 2 stories, slag roof, slate blackboards (heating and electric lighting separate bids). Owners have received revised bids.

Stable (alt. and add.), Merion, Pa. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, William H. Wanamaker, Jr., Merion, Pa. Stone, 2 stories, shingle roof, steam heating, electric lighting. Architect taking revised bids, due February 8th. The following are figuring: F. E. Wallace, 1210 Sansom street; E. J. Hedden, Penn Square Building; Charles C. Pace, Merion, Pa.; Alfred James, Bala, Pa.

Bank (alt. and add.), Allentown, Pa. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Second National Bank, Allentown, Pa. Consists of interior alteration and addition, steam heating, elec-

tric lighting. Plans about completed. Architects will take bids in about 2 weeks.

Residence (add.), Bethayres, Pa., \$20,000. Architects, Martin & Kirkpatrick, 1001 Chestnut street, Philadelphia. Owner, Hollingshead S. Taylor, Bethayres, Pa. Stone, 2½ stories, 30x50 feet, slate roof, electric lighting (heating reserved). Architects taking bids, due February 17th. The following are figuring: John Duncan, 920 Walnut street. Frank E. Heston, Churchville, Pa.; H. H. Burrell, 205 South Camac street; William R. Dougherty, 1610 Sansom street; Specht & Sperry, Head Building; Eugene Tourison, 1001 Chestnut street, all of Philadelphia.

School, Port Carbon, Pa. Architect, Ed. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, Port Carbon, Pa. Brick and stone, 2 stories and basement, 80x101 feet, slag roof (heating and lighting separate bids), safety treads, metal lath. Owners taking bids, due February 15th. The following are figuring: F. Roe Searing, Perry Building, and Berry-Godwin Co., Drexel Building, both of Philadelphia.

Home (add.), Oakbourne, Pa. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Smith Memorial Home, Oakbourne, Pa. Hollow tile and stucco, 2 stories, slate roof, steam heating, electric lighting. Architect ready for bids.

Experiment Station and Power House, Pittsburgh, Pa. Architects, Oscar Wenderoth and H. Hornbostel (associated), Washington, D. C. Owner, U. S. Government, Washington, D. C. Brick, stone, steel and concrete, 3 stories and basement, 200x240 feet, slate and slag roof, tile floors, safety treads, waterproofing, metal lath (heating and lighting reserved). Owners taking bids, due March 11th. Charles McCaul Co., 1713 Sansom street, and J. E. & A. L. Pennock, Land Title Building, both of Philadelphia, are figuring.

Stock Pens, Herrs Island, Pittsburgh, Pa. Architect, private plans. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Brick, steel and concrete, 1 and 2 stories, 190x512 feet, asbestos roof, metal frames and sash (lighting reserved). Revised plans in progress.

High School, Edwardsville, Pa., \$80,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, School Board, Alfred Davis, chairman, Edwardsville, Pa. Brick, 2 stories, 136x80 feet, slate roof, steam heating, electric lighting, slate blackboards. Plans in progress.

School, Banks Township, Pa., \$10,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Banks Township School Board, James Martin, chair-

LIGHTING FIXTURES

In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.

man, Audenried, Pa. Frame, 1½ stories, 68x72 feet, shingle roof, steam heating, electric lighting, slate blackboards. Plans in progress.

Store Building, Hazleton, Pa., \$25,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner's name withheld. Brick and steel, 3½ stories, 74x90 feet, slag roof, steam heating, gas and electric lighting, ornamental iron and marble stairs. Plans in progress.

Picture Theatre, Hudson, Pa., \$8,000. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owner, John Repa, Wilkes-Barre, Pa. Brick, 1 story, 31x96 feet, slag roof, steam heating, electric lighting, metal lath. Architect ready for bids.

Twin Residence, Wilkes-Barre, Pa., \$5,000. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Frame, 2½ stories, 28x42 feet, slate roof, steam heating, gas and electric lighting, metal lath. Architect ready for bids.

Store Fronts, 41-43 Public Square, Wilkes-Barre, Pa., \$10,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, J. K. & Benjamin Weitzenkorn, Weitzenkorn Building, Wilkes-Barre, Pa. Steam heating, electric lighting, marble work, hardwood floors, ornamental iron grilles. Architect ready for bids.

Residence, 1612 Mulberry street, Scranton, Pa., \$3,000. Architect, private plans. Own-

er, P. F. Calpin, Miller Building, Scranton, Pa. Frame, 2 stories, 24x30 feet, shingle roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Residence, 2000 North Washington avenue, Scranton, Pa., \$4,000. Architect, private plans. Owner, E. R. Tamblyn, 817 Grandview avenue, Scranton. Frame, 2 stories, 32x34 feet, slate roof, hot air heating, gas and electric lighting. Owner is sub-letting all contracts.

Residence, Jenkintown, Pa., \$8,000. Architect, E. M. Van Voorhees, Hale Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 30x55 feet, slate roof, hot water heating, electric lighting, oak floors. Architect taking sub-bids.

Residence, Devon, Pa., \$40,000. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, John S. Bioren, 715 Chestnut street, Philadelphia. Stone, 2½ stories. Details not yet decided. Plans about to be started.

Home and Residence, Jednoda, Pa., \$25,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Slavonic Catholic Union, A. K. Kozak, President, Highspire, Pa. Brick and frame, 3 stories, 40x45 feet, and 2½ stories, 34x39 feet, asbestos shingle roofs (heating and electric work reserved). Barnhardt & Co., Harrisburg, Pa., submitted the lowest bid and will probably receive contract.

PENNSYLVANIA

Contracts Awarded

Store Building, Pittston, Pa., \$24,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owner, C. H. Cutler, Pittston, Pa. Brick and limestone, 2½ stories, 40x144 feet, slag roof, steam heating, gas and electric lighting. Contract awarded to Dershimmer & Griffin, 123 South Main street, Pittston, Pa.

Club House (alt. and add.), Carbondale, Pa. Architect, John Dietz, Powderly street, Carbondale, Pa. Owners, Knights of Columbus, Carbondale, Pa. Brick, 3 stories, 44x125 feet, steam heating, electric lighting, hardwood floors. Contract awarded to P. F. Caviston, Carbondale, Pa.

Store and Apartment (alt. and add.), Schickshinny, Pa., \$6,500. Architects, H. B. Long Co., Miners' Bank Building, Wilkes-Barre, Pa. Owner, Herman Klein, Schickshinny, Pa. Brick and frame, 3 stories, 100x42 feet, tin roof, steam heating, gas and electric lighting, metal ceilings. Contract awarded to W. H. Miller, 86 Lockhart street, Wilkes-Barre, Pa.

Power House, Paoli, Pa., \$11,000. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Brick, 1 story, 30x50 feet, slag roof. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

Service Buildings (2), Bethlehem, Pa., \$10,000. Architect, private plans. Owners, Lehigh Coke Co., Bethlehem, Pa. Brick, steel and concrete, 1 and 2 stories, 30x75 feet, 20x40 feet, slag roof and cement tile roof. Contract awarded to F. A. Havens Co., 845

North Nineteenth street, Philadelphia.

Hospital, Wilkes-Barre, Pa., \$150,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owner, Wilkes-Barre Private Ward Hospital. Brick, steel and terra cotta, 4 stories, tile and composition roof, steam heating, electric lighting, metal lath, elevators, waterproofing and damp-proofing, tile and marble work. Contract awarded to J. Curtis & Co., 1 Hickory street, Wilkes-Barre, Pa.

Store Fronts, 2 and 4 South Main street, Wilkes-Barre, Pa. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, J. K. & Benjamin Weitzenkorn, Wilkes-Barre, Pa. Steam heating, electric lighting, marble work, hardwood floors, ornamental iron work. Contract awarded to W. J. Smith, 293 South Main street, Wilkes-Barre, Pa.

Store Front, 6 South Main street, Wilkes-Barre, Pa. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, J. K. & Benjamin Weitzenkorn, Weitzenkorn Building, Wilkes-Barre, Pa. Steam heating, electric lighting, marble work, hardwood floors, ornamental iron work. Contract awarded to M. L. Roth, 125 South Welles street, Wilkes-Barre, Pa.

Residence, Ambler, Pa., \$5,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Mrs. Mary R. Webster, Ambler, Pa. Frame, 1½ stories, 30x35 feet, shingle roof, hot air heating, electric lighting. Contract awarded to Howard S. Amey, Ambler, Pa.

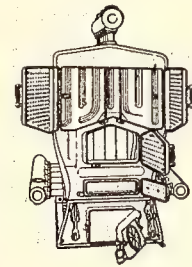
NEW JERSEY

Construction News

Apartment House, Phillipsburg, N. J., \$8,000. Architect, J. J. Weitzenfeld, First Na-

tional Bank Building, Easton, Pa. Owners, A. E. Person & A. R. Burkholder, Phillips-

MILLS



"Guarantee"

We stand back of our Boiler.

They will do everything we claim for them.

Send for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

February

The Shortest Month

Is also the month of quick temperature changes. Safeguard your health by having on hand an ever-ready Copper Reflector Gas Heating Stove. You have heat the instant you light the gas.

Prices \$2.85 to \$10.85

(Connections Extra)

Sold on the Deferred Payment Plan. At stores or from representatives.

The United Gas Improvement Company

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

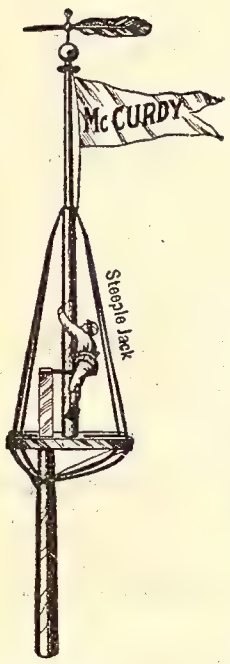
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

All Sizes

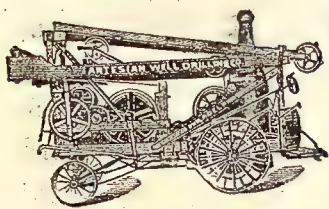
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

burg, N. J. Brick, 2½ stories, 44x52 feet, slate and tin roof, Webster system of heating, gas and electric lighting, composition floors. Owners have received bids.

Cabinet Factory (add.), Camden, N. J. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Reinforced concrete, 5 stories. Plans in progress.

High School, Wildwood, N. J., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of W. C. Todd, Secretary, Wildwood, N. J. Brick, fireproof, 3 stories. Plans in progress.

Power House (add.), Atlantic City, N. J. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Needs Company, Atlantic City, N. J. Brick, 3 stories, 14x40 feet, slag roof, metal lath, metal frames and sash, safety treads. Architects have received bids.

Film Factory and Studio, Pleasantville, N. J., \$25,000. Architect, J. V. Mathis, Bartlett Building, Atlantic City, N. J. Owners, Acme Film Producing Co., Pleasantville, N. J. Hollow tile, steel and concrete, 1 and 2 stories, 75x150 feet and 50x75 feet, slag and glass roofs, hot water heating, electric lighting, asbestos mill floors. Architect taking bids.

Bungalows (26), Atlantic City, N. J., \$85,000. Architect, J. R. Ogden, Bartlett Building, Atlantic City, N. J. Owner's name withheld. Frame and shingles, 2 stories, 38x45 feet and 18x48 feet, asphalt shingle roofs, hot water heating, electric lighting, tile work, hardwood floors, dampproofing. Architect taking bids.

Apartment House, Atlantic City, N. J., \$12,000. Architect, private plans. Owner, Dr. W. L. Zane, 16 South Pennsylvania avenue, Atlantic City, N. J. Brick, 2 stories, 34x60 feet, slag roof, steam heating, electric lighting. Owner is taking sub-bids.

Residence, West Collingswood, N. J., \$5,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City, N. J. Owner, Joseph Schintzer, West Collingswood, N. J. Stone and frame, 2 stories, 26x38 feet, slate roof, hot water heating, gas and electric lighting, tile work, dampproofing. Plans in progress.

Office Building (alts.), Atlantic City, N. J., \$2,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owners, City Square Land Co., 1318 Atlantic avenue, Atlantic City. Stone and frame, 2 stories, 26x38 feet, slate roof, hot water heating, gas and electric lighting, tile work, dampproofing. Plans in progress.

Asylum and Hospital (alts. and add.), Blackwood, N. J. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owner, Camden County Insane Hospital, care of Board of Freeholders, Court House, Camden, N. J. Brick, 2 and 3 stories, consists of new buildings and alterations and additions to present buildings. Details not decided. Plans in progress.

Residence and Store, Camden, N. J., \$2,800. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owner's name withheld. Brick, 2 stories, 16x51 feet, slag roof, heating probably hot air, gas and electric lighting. Plans in progress.

Residence, Merchantville, N. J., \$3,200. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owner, H. C. Bell, Merchantville, N. J. Hollow tile and stucco, 2½ stories, 31x42 feet, asbestos shingle roof, tile work (heating and electric work reserved). Architect taking bids, due February 10th. The following are figuring: Frank Turner, 828 Broadway, Camden, N. J.; George Bachman, 19 North Thirtieth street, Camden, N. J.; Robert Gibbs, Gibbsboro, N. J., and Harry Applegate, Harry Mansfield and Martin T. James, of Merchantville, N. J.

School Building (alts.), Vineland, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, care of Edgar R. Jones, Decker Block, Vineland, N. J. Brick, 2 stories, metal lath,

concrete fireproofing, electric lighting, new mechanical heating system, safety treads. Plans about completed. Architect ready for bids in a few days.

Store and Apartment House, North Broad street, Trenton, N. J., \$12,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, J. Green, Trenton, N. J. Brick, hollow tile and stone trimmings, 3 stories, 26x100 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Architects have received bids.

Store and Apartments, Bridge and Warren streets, Trenton, N. J. Architect, William B. Thines, Commonwealth Building, Trenton, N. J. Owner, Isaac Lavine, Trenton, N. J. Brick, steel and stucco, 2 stories, 25x114 feet, slag roof, steam heating, gas and electric lighting, metal lath. Plans in progress.

Store and Apartments, Bridge and Fair streets, Trenton, N. J. Architect, William B. Thines, Commonwealth Building, Trenton, N. J. Owner, Isaac Lavine, Trenton, N. J. Brick, steel and stucco, 2½ stories, 28x128 feet, slate and slag roof, steam heating, gas and electric lighting, metal lath. Plans in progress.

New Jersey

Contracts Awarded

Club House (add.) and Garage, Absecon, N. J., \$40,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Seaview Golf Club, C. H. Geist, President, Land Title Building, Philadelphia. Brick, 2 and 3 stories, 94x107 feet, shingle and slate roof, steam heating, electric lighting, metal lath. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

High School, Woodstown, N. J., \$77,000. Architect, Albert W. Dilks, 1001 Chestnut street, Philadelphia. Owners, Board of Education of Pilesgrove Township, Richard K. Flitcraft, President, Woodstown, N. J. Brick, 2 stories, 205x84 feet, wing 47x52 feet, slag roof, safety treads, metal lath, slate blackboards (heating and plumbing and electric work reserved). Contract awarded to Alex. Chambley, 243 South Tenth street, Philadelphia.

Residence, Washington Crossing, N. J., \$15,000. Architects, W. W. Slaek & Son, American Mechanics' Building, Trenton, N. J. Owner, F. W. Harper, 840 Riverside avenue, Trenton, N. J. Brick, 2 stories, 34x54 feet, tile roof, electric lighting, hardwood floors, tile work (heating reserved). Contract awarded to Fred H. Ewald, Morrisville, N. J.

The One That Gets the Trade.

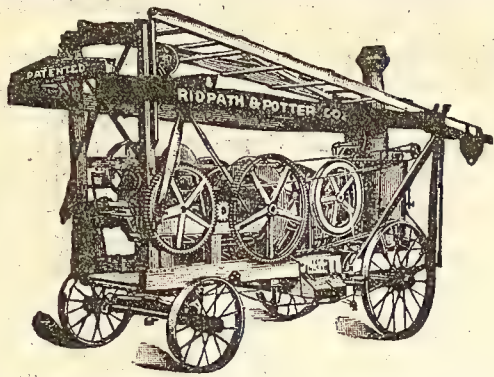
The constant dropping water wears away the hardest stone,

The constant chewing bulldog masticates the toughest bone,

The constant cooing lover takes away the blushing maid,

And the constant advertiser is the one that takes the trade.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.
—Exchange.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

MARYLAND Construction News

Hospital, Easton, Md. Architects, Guy King Co., 1513 Walnut street, Philadelphia. Owner, New Emergency Hospital, care of Hampton Howell, Secretary, Easton, Md. Brick, hollow tile and plaster, 4 stories, 58x118 feet, slate and slag roofs, steam or vapor vacuum heating, electric lighting, composition floors, canvas roofs, waterproofing, metal lath (weather strips, elevators and laundry machinery reserved). Owners taking bids, due February 20th. The following are figuring: Nash-Jones Co., Norfolk, Va.; Berry-Goodwin Co., Drexel Building; James H. Wells, Heed Building; Smith-Hardican Company, 1606 Cherry street; H. E. Batton, Twelfth and Sansom streets; William R. Dougherty, 1610 Sansom street, all of Philadelphia, Pa.; W. A. Richman, Moorestown, N. J.; B. F. Bennett Building Co., 123 South Howard street; Cogswell-Koether Co., 406 Park avenue; Singer-Pentz Co., 600 Equitable Building; David M. Andrew Co., all of Baltimore, Md.; W. S. & A. M. Culp, Chestertown, Md.; George H. Trax, 424 North Aurora street, and U. S. Ross, both of Easton, Md.; H. Hupfauf, 7 East Forty-second street, and E. W. Winter & Co., 115 Broadway, both of New York City, and George E. Lane, Queens-town, Md.

Residence, Garrison and Alter avenues, Baltimore, Md., \$5,000. Architect, private plans. Owner, W. E. Gordon, Elsinore avenue, Baltimore, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting. Owner is sub-letting all contracts.

Church (add.), Frederick avenue, Baltimore, Md. Architect, S. Russell, 2900 Clifton avenue, Baltimore, Md. Owner, Frederick Road M. E. Church, on premises. Stone, 1 story, slate roof, hot water heating, electric lighting. Plans in progress.

Church and Sunday School, Pulaski and Penrose street, Baltimore, Md., \$35,000. Architect, J. E. Laferty, 11 East Pleasant street, Baltimore, Md. Owner, St. Luke's Reformed Church, Baltimore, Md. Stone, 1 story, slate roof, hot water heating, electric lighting. Plans in progress.

Apartment House, Thirty-first and Calvert streets, Baltimore, \$90,000. Architect, E. H. Glidden, Maryland Casualty Building, Baltimore, Md. Owners, Calvert Court Apartment Co., 663 Calvert Building, Baltimore, Md. Brick, 4 stories, 103x172 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Apartment House (alts.), 1312 Eutaw place, Baltimore, Md., \$10,000. Architect, E. H. Glidden, Maryland Casualty Building, Baltimore, Md. Owner, Joshua Levering, 1316 Eutaw place, Baltimore, Md. Brick, 4 stories, tin roof, steam heating, electric lighting. Architect taking bids, due February 12th. The following are figuring: H. H. Maclellan, 15 East Fayette street; Fidelity Construction Co., 1906 West Lexington street; Samuel Spreat, 203 North Pine street; L. Schoerelein & Son, 2122 East Baltimore street; G. W.

Tovell, Eutaw and Dolphin streets; West Construction Co., Knickerbocker Building; John F. Kunkle, 29 South Linwood avenue; C. L. Stockhausen, Gay and Water streets, all of Baltimore, Md.

Warehouse, 123 South Barre street, Baltimore, Md. Architect, Henry Massart, 15 East Fayette street, Baltimore. Owner, Fritz Lenby, on premises. Brick, 4 stories, 26x115 feet, slag roof, steam heating, electric lighting, elevator. Architect will award sub-contracts.

Warehouse, Cumberland, Md., \$20,000. Architect, private plans. Owners, Builders' Supply Co., Cumberland, Md. Concrete, 3 stories, 89x31 feet, slag roof, electric lighting, elevator, concrete floors. Owners taking bids. Deverall, Spencer Co., Garrett Building, Baltimore, Md., are figuring.

Residence, Annapolis, Md. Architect, Bayard Turnbull, 324 North Charles street, Baltimore. Owner, W. B. Norris, Annapolis, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting, hardwood floors, tile work. M. J. Stehle, Annapolis, Md., submitted the lowest bid.

Y. W. C. A. Building, Park avenue and Franklin street, Baltimore. Architect, not yet selected. Owner, Y. W. C. A., Miss I. H. Harman, chairman of Building Committee. Brick, stone and steel, fireproof, 6 stories. Owners are receiving competitive plans.

Maryland Contracts Awarded

Garage, 418-30 High street, Baltimore, Md., \$7,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Harry Hoffberger, 431 North Front street, Baltimore. Brick, 1 story, slag roof, electric lighting, concrete floors. Contract awarded to Singer-Pentz Co., Equitable Building, Baltimore, Md.

Club House, Forest Park, Baltimore, \$25,000. Architect, private plans. Owners, West Forest Park Improvement Association, Forest Park, Baltimore, Md. Frame, 3 stories, slate roof, steam heating, electric lighting, tile work. Contract awarded to C. W. Littleton & Son, Forest Park, Baltimore, Md.

Residence and Stable, Rosewood, Md., \$7,000. Architect, W. W. Stebbins, Baltimore, Md. Owners, Rosewood State Training School, Owings Mills, Md. Brick, 2 stories, 45x61 feet and 31x51 feet, slate roof, steam heating, electric lighting. Contract awarded to Cox Bros., 22 Clay street, Baltimore, Md.

Warehouse, 707-09-11 Hillen street, Baltimore, \$15,000. Architect, Henry J. Tinley, Saratoga and St. Paul streets, Baltimore. Owners, Cronin & McDonald, 400 East Fayette street, Baltimore. Brick, 1 story, 20x40 feet, slag roof, steam heating, electric lighting. Contract awarded to James F. Farley, care of architect.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



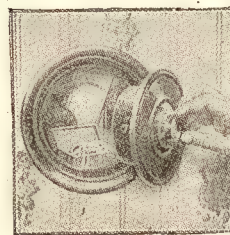
Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865



**MEILINK
WALL SAFES**

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.

Church, Garrison avenue, Baltimore, \$35,000. Architects, Owens & Sisco, Continental Building, Baltimore, Md. Owner, Starr M. E. Church, Baltimore, Md. Stone, 1 story, slate roof, steam heating, electric lighting. Contract awarded to E. G. Turner, 15 East Fayette street, Baltimore, Md.

Factory, Seventh street and Twelfth avenue, Canton, Baltimore, Md. Architect, private plans. Owners, Chesapeake Shell Co., on premises. Concrete and steel, 2 stories, 60x110 feet, tin roof, electric lighting. Contract awarded to Henry S. Rippel, 7 Clay street, Baltimore, Md.

Factory (fire repairs), 6 and 8 West Lombard street, Baltimore, \$8,000. Architect, private plans. Owner, Keyser Estate, Keyser Building, Baltimore, Md. Brick, 4 stories. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore, Md.

Miscellaneous Construction News

Court House, Cincinnati, Ohio, \$2,500,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owner, City of Cincinnati, Court House Commission. Brick, stone, steel and concrete, 5 stories, 260x292 feet, slag and tile roof, tile floors, metal lath, waterproofing and dampproofing, safety treads, metal casements, metal frames and sash (heating and lighting reserved). Owners taking revised bids, due February 15th. The following are figuring: Charles McCaul Co., 1716 Sansom street, Philadelphia; John Gill & Sons Co., Citizens' Building; William Dall, 401 Marion Building, both of Cleveland, Ohio; John Peirce Co., 90 West street; George A. Fuller Co., 111 Broadway; The Connors Bros. Co., 64 West Eighty-eighth street; John C. Rodgers, 271 West 125th street, all of New York City; The David Hummel Building Co., 2629 Spring Grove avenue; Roche-Bruner Building Co., 609 Johnston Building; H. Harig & Co., Harrison Building; Kerro-Concrete Const. Co., Richmond and Harriett streets; Thomas Canary, 204 West Seventh street; James J. Doud, Ortiz Building; The Attlessey Co., 819 Vine street; Frank W. Folz & Co., Dayton and Freeman avenues, all of Cincinnati, Ohio; H. E. Fletcher Co., 33 State street, Boston, Mass.; King Lumber Co., Charlottesville, Va.; Thompson-Starrett Co., Second National Bank Building, Pittsburgh, Pa.; Norcross Bros. Co., George Baker Long, 315 State Mutual Building, both of Worcester, Mass.; W. C. Bunyan & Son, 326 Wayne avenue, Lockland, Ohio; Wm. Bradley & Son, 547

Vernon avenue, Long Island City; Paul Riesen's Sons, 1018 Humboldt avenue, Milwaukee, Wis.; Bedford Stone and Const. Co., 810 Fletcher Savings and Trust Building, Indianapolis, Ind.; John Griffiths & Sons Co., 1011 Merchants' Loan and Trust Building, Chicago, Ill.; Hanley Casey Co., 404 West Ohio street, both of Chicago, Ill.; Selden-Breck Const. Co., Fullerton Building, St. Louis, Mo.; Gilsonite Const. Co., 719 Wainwright Building, St. Louis, Mo., and C. H. Young Co., 653 Race street, St. Paul, Minn.

Normal School, Fairmont, W. Va., \$100,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Fairmont State Normal School, James S. Lakin, President, Charleston, W. Va. Brick, steel, stone and terra cotta, fireproof, 2 stories, 68x200 feet, slag and promenade tile roof, electric lighting, steam heating, iron stairs, safety treads, composition floors, metal ceilings, expanded metal lath, metal doors and trimmings, oak floors, metal weather strips. Owners taking bids, due March 15th. Alex. Chambley, 243 South Tenth street, Philadelphia, is figuring.

School Building, Cleveland, Ohio, \$150,000. Architect, private plans. Owners, Board of Education, Cleveland, Ohio. Brick, stone and steel, fireproof, 2 stories, 93x57 feet, slate and gravel roof, iron stairs, metal lath, slate blackboards (heating and electric work separate bids). Owners taking bids, due February 15th. James H. Wells, Heed Building, Philadelphia, is figuring.

aware avenue. Cost, \$485. Apartments, fire escapes, 325 Spruce street.

Charles Manzie (O), 5713 Germantown avenue. George C. Fossel (C), 128 East Cheltenham avenue. Cost, \$15,000. Store, brick, 10x15 feet, slag roof, 5713 Germantown avenue.

Miss M. S. Fortescue (O), 403 North Sixty-third street. Russell & Andrews (C), 5923 Addison street. Cost, \$1,500. Store and dwelling, brick, 10x16 feet, 403 North Sixty-third street.

J. Creighton (O), 333 East Lehigh avenue. A. S. Brown (C), 1901 East Clearfield street. Cost, \$1,000. Two dwellings, 333 and 335 East Lehigh avenue.

M. Sassman (O), 318 Market street. Cost, \$900. Three dwellings, 430, 432, 434 North Seventh street.

W. Lippincott (O), 2101 Walnut street. G. G. Sloan (C), 3021 Sansom street. Cost, \$300. Garage, 2019 Sansom street.

C. C. Norris, Jr. (O), West End Trust Building. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$500. Store and office, 5143 Market street.

Southwark Foundry and Machine Co. (O), Fifth and Washington avenue. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$5,000. Storage, 1 story, galvanized iron, 31x70 feet, Fourth and Washington avenue.

Mrs. P. McNichol (O), 1314 North Twenty-fourth street. C. Rosser (C), 1319 Wood street. Cost, \$1,200. Garage, brick, 1 story, 16x60 feet, 1318 Parrish street.

GERMAN LADDER STAGING.

Utilizing ladders in scaffolding, big and little, German contractors erect structures of great strength and stability in amazingly short time, according to "Popular Mechanics." For repair work the ladders are set on short lengths of board as mudsills, and are held to the wall by the spacer sticks engaging screw jack clamps set in the window jambs. In larger erection work the ladder verticals are two piece posts with wooden rungs as spreaders, and successive lengths are lapped on each other, like parts of an ordinary extension ladder, and are connected by hooks, or in the case of heavy scaffolding, by steel splice plates on the sides of the ladders.

It is interesting to note that between the wooden rungs the ladder sides have holes for temporary rungs of steel rod, and these rods are used for attaching the hooks connecting two lengths of ladder and for supporting runway boards and beams from which tackle blocks are hung. The holes are also used for the bolts which clamp the scaffold braces in place.

The scaffold is built upward by simply laying additional lengths of ladder alongside those already in place, sliding them up until only the necessary amount of lap is left, and hooking the ladders together, then setting the wall spacers and braces of the new tier.

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Frank Williams (O), 1432 Wolf street. Cost, \$83,200. Thirty-one dwellings, brick, 2 stories, 15x45 feet, hot water heating, electric lighting, Fifty-sixth and Catharine streets.

Spreckles Sugar Refining Co. (O), Reed and Meadow streets. Cost, \$4,000. Warehouse, brick, 1 story, 35x104 feet, Reed and Swanson streets.

J. B. Cornell (O), 2110 Ridge avenue. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$6,250. Storage, concrete, 3 stories, 30x32 feet, 1346 Cadwalader street.

Berrett Manufacturing Co. (O), Land Title Building. A. R. Raff (C), 1635 Thompson street. Cost, \$16,000. Office building, brick,

2 stories, 41x122 feet, Thirty-sixth and Gray's Ferry road.

Harry Fliegelman (O), 36 North Second street. Lam Building Co. (C), 1001 Wood street. Cost, \$40,000. Store, 5 stories, brick, 60x100 feet, 36 North Second street.

Harry H. Heist (O), Eighteenth and Pike streets. Cost, \$8,000. Four stores and dwellings, brick, 2 stories, 16x34 feet, Eighteenth and Pike streets.

John Burt (O), Broad and Dickinson streets. Edgar Urian (C), 1335 South Fifty-eighth street. Cost, \$10,000. Apartment house, brick, 4 stories, 21x178 feet, Broad and Reed streets.

Alterations and Additions

H. C. Diamond (O), 220 South Broad street. Stuckert & Sloan (C), Crozer Building. Cost, \$8,000. Store, 1624 Chestnut street.

T. Naulty (O), 2208 St. Albans street. M. J. Welsh (C), 7000 Woodland avenue. Cost, \$1,200. Store and dwelling, 5613 Chester avenue.

A. Schmuckler (O), 344 South Fourth street. Louis Rodin (C), 1631 South Second street. Cost, \$900. Dwelling, brick, 3 stories, 14x18 feet, 520 Spruce street.

T. Ceparone (O), 923 Washington avenue. M. Ceppolli (C), 833 Greenwich street. Cost,

\$1,200. Dwelling, brick, 3 stories, 14x18 feet, slag roof, 918 League street.

Charles Weinberg (O), 2317 South Seventh street. Cost, \$9,000. Store and dwelling, 2 stories, brick, 12x16 feet, 2319 to 2327 South Seventh street. Cost, \$3,500. Dwelling and store, brick, 3 stories, 16x42 feet, Seventh and Durfor streets.

I. Rosenberg (O), 330 East Girard avenue. Joseph Gsell (C), 339 Richmond street. Cost, \$560. Dwelling, brick, 2 stories, 13x20 feet, 330 East Girard avenue.

George L. Sipps (Agt.), 912 Locust street. John Baizley Iron Works (C), 514 South Del-

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., January 28, 1915.—Sealed proposals will be received in this office until 3 o'clock P. M. March 11, 1915, and then opened, for the mechanical equipment (except elevator) of the experiment station, United States Bureau of Mines, Pittsburgh, Pa., in accordance with drawings and specifications, copies of which may be obtained at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 28, 1915.—Sealed proposals will be received in this office until 3 P. M. March 11, 1915, and then opened, for the installation complete of an electric passenger elevator in the experimental station, Bureau of Mines, Pittsburgh, Pa., in accordance with the drawing and specification, copies of which may be had at this office in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 28, 1915.—Sealed proposals will be opened in this office at 3 P. M. on March 11, 1915, for the construction (except mechanical equipment) and approaches of the Experimental Station, Bureau of Mines, at Pittsburgh, Pa. Main building is three stories and basement; of about 29,000 square feet ground area; concrete and brick facing; fireproof construction (except the roof) and slate and composition roof. Boiler house is one story; of 13,500 square feet ground area; concrete faced; fireproof construction and composition roof. Drawings and specifications may be obtained from the engineer in charge, Bureau of Mines, Experiment Station, Pittsburgh, Pa., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 1, 1915.—Sealed Proposals will be opened in this office at 3 P. M., March 22, 1915, for the construction complete (including mechanical equipment—except elevator, lighting fixtures and approaches) of the United States Post Office and Court House at Brattleboro, Vermont. Three story and basement, fireproof building; ground area, 6,225 square feet; stone and brick facing. Drawings and specifications may be obtained after February 11, 1915, from the Custodian of site at Brattleboro, Vermont, or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

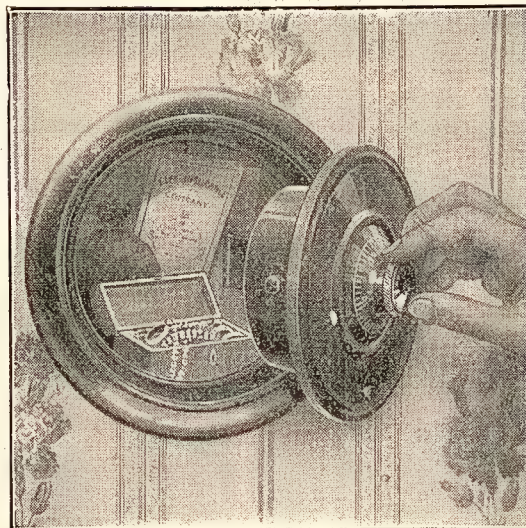
If you can persuade people to buy your goods you make money. "The Guide rounds up in its clientele the people you want to persuade. A certain amount of space and the right kind of selling argument does the rest.

New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

Wall Safes:

The purchasers and renters of homes and apartments are fast being educated to de-



mand all of the practical conveniences that they can get. To meet competition and secure good tenants, the owner who has a Meilink Steel Wall Safe, along with other useful appliances, installed in houses and apartments, has an extra inducement to offer to prospective buyers or renters. The tenants use these safe deposit boxes, because they are right at hand and are assured of protection, for their papers, money, jewels and small silverware, against thieves and loss by fire. J. B. Spruance, No. 9 South Eighteenth street, Philadelphia, is the manufacturer's agent in Philadelphia, where you can see samples of the four sizes and obtain prices and information. Anyone desiring literature regarding the Meilink Wall Safes may secure same by mentioning the "Builders' Guide."

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**LOTH & WHITE, ARCHITECTS, HAVE recently opened offices for the practice of their profession at 130 State street, Albany, N. Y.

**JOSEPH T. RYERSON & SON, OF Chicago, have offered a prize of \$100 for the best name to cover a line of tool steels which they are selling.

**THE CITY PLAN COMMISSION OF Newark has been requested by the National Conference on City Planning to supply information concerning the size of home building sites in Newark as part of the data being collected in the attempt to solve the problem of tenement house congestion in the big cities of the country. In Newark the average city lot is 25x100 feet, and in the Oranges, 50x100.

**LEWIS O. BREWSTER WAS RECENTLY appointed general manager of the New York Insulated Wire Co., 114 Liberty street.

**HENRY GOLDMARK AND C. J. GOLDMARK have opened offices at 103 Park avenue, New York, where they will practice as consulting engineers.

**NEW YORK SOCIETY OF ARCHITECTS.—The regular monthly meeting of the society was held at the United Engineering Society's Building, 29 West Thirty-ninth

street, Manhattan, Tuesday evening, January 19th. Among the matters discussed was the Registration bill for architects now pending at Albany, the passage of which is earnestly advocated by the society in the interest of the profession and the general public. The proposed exclusion of three-family houses from the operation of the Tenement House Law also came up for discussion, and the society's Committee on Tenements was instructed to confer with the Investigating Committee of the Council of Real Estate Interests with a view to favorably influence the action of the latter in this matter.

**NEW YORK STATE ARCHITECT Lewis F. Pilcher has made recommendation that the State erect an eleven-story office building in Albany to house State departments which now have to rent quarters outside of the Capitol.

**BUCKINGHAM STEEL CO., INC., HAS moved its offices from 50 Church street to 25 West Forty-second street, New York City. Mr. Kaufman and Mr. De Motte have retired from the company, and their interests have been acquired by Charles E. Marlor and Thomas W. Golding. The operations of the company are now under the direction of

(Continued on page 98.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., FEBRUARY 10, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlenberg
TreasurerWalter Mellor
Directors—Clarence C. Zantzinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

New York City is a pretty good barometer when it comes to gauging business conditions. Politicians have a saying, "As Ohio goes, so goes the country." Commercially speaking, as business goes in New York, so business goes throughout the country.

When New York is busy you'll find, as a general rule, that trade conditions are above the average everywhere. And by that same token, when trade conditions are "off" in "little old New York"—as George Cohan loves to call it—you'll find business reflecting this stagnation East, West, North and South. In a moneyed sense, New York is the capital of the United States.

We are moved to refer to this barometric affinity on the part of the Metropolis just at this time because New York is doing something that should be distinctly encouraging to the rest of the country. New York City is actually undergoing a boom period in the matter of erecting new buildings, in spite of the fact that throughout the other principal cities of the country there is evident a feeling of unrest, indecision and gloomy prophecy. January closed in New York with a total of \$11,155,395 in building operations now actually moving. Last January the net for New York was \$9,428,792, and the January previous a total of \$7,662,173. Add to this splendid showing 10.7 per cent. of the \$50,000,000 worth of construction held in abeyance at the first of the year, that is now going ahead, and January, 1915, opens with an actual estimated gross value of live construction work of \$16,546,695.

"How do you account for it?" asked a local builder with whom we were discussing the figures a few days back.

The explanation lies on the very face of things. It is so apparent that we are surprised that anyone should fail to see it. It is this: The big fellows, realizing with their customary shrewdness the advantageous conditions presented by the present lull, are doing their building now in place of waiting for material, labor, real estate and all the lesser items that enter into the building game, to get back to normal figures. New York is simply undergoing a "Build Now" boom.

Answering the littler men who have not yet recovered from the panicky state of mind into which they were thrown by the suddenness of the European conflict, the tariff tinkering at Washington, the ceaseless nagging by politicians of big business and heaven only knows what other devices of a fool period in the affairs of the world at large, the "New York Real Estate Record" prints this tonic little pellet of practical economy:

"WHY BUILD NOW?"

Because—Money is easier.

Prices of Materials are low.

Manufacturers have low reserves.

There is a demand for construction.

Labor is plentiful and eager to work.

Big Men are Planning Construction work.

There is a growing need for Modern Buildings.

Plan filings show increasing activity in building.

Present construction helps to solve the unemployed problem.

Building Costs may be expected to increase as demand improves.

New York Real Estate will not be as cheap again in many years."

There's the situation—in a nutshell. What is true of New York is equally true of Philadelphia and of Boston, of Baltimore and of Chicago, of Washington and of Denver.

Commenting editorially upon the general trade outlook so far as the building field is concerned, the "Record" observes:

"Last fall a large number of building operations were abandoned as a consequence of the disorganization which followed upon the outbreak of the European war. In many instances the abandonment of these enterprises was forced upon the intending builder. He was unable to make the arrangements for financing the operations, upon which he had counted. In other instances the abandonment was the result of a cautious attitude towards business prospects. Many business men and investors, with money in the bank, prudently preferred to keep their capital in a fluid form until the economic effects of the war could be more accurately estimated.

"In the majority of cases there is no reason now why these abandoned projects should not be resumed. The unfortunate economic effects of the war have not entirely spent their force; but the back of their offending is broken. A period of rather active business is plainly foreshadowed, due to the fact that American raw materials will be consumed in enormous quantities by Europe and at high prices. Loanable capital is being offered on real estate in considerable quantities. It cannot be expected that money will actually be cheap, at a time when so much capital is being destroyed; but there should be enough in this country for all legitimate purposes. The new banking system will add considerably to the credit value of existing stocks of gold in the banks. Then there is, of course, a real and a general need of new buildings. For some time the amount of money invested in new construction has been less than normal; and an enlargement of business activity will bring with it an imperative demand for more space. Finally, the particular advantage of building now is derived from the low price of building materials. Construction work is cheap. Many contractors will take jobs almost at cost for the sake of keeping their organizations together. But while building is still cheap, it may not long remain cheap. The price of building materials is already rising. Accumulated stocks in the hands of

dealers are not very abundant. A builder who wishes to take advantage of the low prices cannot afford to delay. In a few months or less the cost of materials may be high rather than low, and contractors will be exacting their ordinary profits. The man who intends to build and does not make immediate preparations is making a mistake."

We do not find ourselves, as a general proposition, able to agree with President Wilson in his views upon current issues, but there can be no gainsaying the fact that he is wholly right in his assumption that much of the depression observable throughout the country is of psychologic rather than actual origin. Money is again easy, materials are cheap, labor is plentiful, the nation faces no crisis impending or in prospect. Why should there be any real difficulty in the way of beating back to normally prosperous conditions? The big men, financially speaking, place the blame for existing conditions on the little fellows who, shutting their eyes to the golden opportunities that await them on every side, persist in sitting up with the gods of gloom when they should be up and about and out and doing. Let us get together here in Philadelphia and organize a "Build Now!" boom locally. Real estate was never cheaper—buyers can no longer complain about any scarcity of mortgage money, renters are as numerous and as willing as ever—the one fly in the ointment is the number of wage workers out of employment—a condition that will speedily right itself with anything resembling a return to normal activity.

Open wide your windows, Mr. Pessimist.

Throw out the gods of gloom.

Let in that February sunshine.

Brush the cobwebs from your dormant brain pan and get busy.

"Build Now!"

* * *

"Surveys made of leading architects' offices in Manhattan, Bronx, Queens and East Jersey this week," says the "New York Real Estate Record," "showed:

"1. Money is easier.

"2. Deferred plans are being figured.

"3. Approximately \$16,500,000 in building projects are actually under way in New York alone.

"4. About \$1,891,300 is current in new East Jersey plan figuring.

"5. A definite disposition is developing among builders to take advantage of present prices before cold weather forces brick, stone, gravel and crushed stone upward.

"6. There is an improving call for skilled union labor in the building trades.

"7. Building material agents are deferring their usual mid-winter vacations because of expected favorable changes in the local building material situation.

"8. Manufacturers have worked off their reserve stocks, have completed inventories and are ready to base market prices on current manufacturing cost.

"In the money market interest rates are unchanged, but more brokers have available funds for building investment, hence the premiums are not so high as they have been.

The slump in steel stock has helped to strengthen the mortgage market.

"There were on January 1 approximately \$50,000,000 represented in deferred building construction work in the district. The fact that \$5,391,300, or 10.7 per cent. has been released since the first of the year, in addition to the \$11,555,195 represented in plan filings for new operations since the first of the year, including the \$2,500,000 industrial building in Pennsylvania station zone reported this week, tells its own story."

* * *

"If I were going to build a house,
Says I to myself, says I,
I'd build the rooms all on the ground,
Not stick them up in the sky.
I'd build a bath, a dining room,
And as for porches, Oh my!
I'd build them all around the house,
Said I to myself, said I."

These lines in the "National Builder" are good enough so far as they go, but after one summer's experience in a bungalow the writer feels they should be provided with a second stanza, as for example:

I thought I'd enjoy that sort of a house,
Said I to myself, said I.
With its freedom from stairs and ups-and-down,

Said I to myself, said I.

But since I've lived through a sizzling month,
When 'twas hot enough most to fry,
Why it's me for the house with the rooms above,

Said I to myself, said I.

* * *

Under the caption, "Who's Who in American Art," "Arts and Decoration prints this clever little analysis of Ralph Adams Cram and his work:

"An architect in this country has need to distinguish himself conspicuously if his name is to find any sort of a niche in the public mind. Ralph Adams Cram has undoubtedly done this, but has confused us by leaving it a matter of some surmise whether he has carved a niche himself, or dexterously disposed some ancient Gothic effigy to step up into the niche it had formerly occupied.

"Ahe annals of American architecture, like those attributed to the poor by Gray, have often seemed 'short and simple.' If there were more architects of the very peculiar personality of Mr. Cram, these annals, whether they were short or not, would be decidedly elaborate. Mr. Cram, in some capacity other than his professional one, would undoubtedly be even more widely and variously famous than he is. Architects live busily and rather intensely, do not talk very much (if we except Mr. Cram), and leave few records but their buildings behind them.

"Si monumentum requiris, circumspecte" would seem reasonable enough, but forestalling the possibility that a less appreciative generation might fail to avail itself of the expedient of looking about for monuments, Mr. Cram talks a good deal (which would be unbecoming if he were not so interesting), and reaches the remainder of the audience

through writing. A few architects have thought the pen as mighty as the T-square, like the late and always-to-be-lamented Russell Sturgis, and through books have put their convictions on record and vastly educated their public. It is the impulse of the intellectual man who has made architecture his profession. He feels very genuinely that he wishes the public knew as much about architecture as he, and no less genuinely that he would like them to know how much he knows. The architect of to-day in this country is allowed to express so little of his architectural convictions that any really intense and earnest architectural personality must find its outlet in the written or spoken word. Hence Mr. Cram's "Gothic Quest"—a widely read message of idealism and belief. The quest would seem to have wandered a little in another book, "Impressions of Japanese Architecture." The Japanese are a hardy race, and capable of great endurance.

"So we have, then, an intellectual architect. Others in the same profession, not gifted with a facile pen have been known to reckon him an intellectual man with a leaning toward architecture. But it is not either accurate or intelligent to assume that a penchant for writing is to interfere with the serious business of architecture.

"Mr. Cram must be visualized to be rightly understood, and sometimes it has seemed that he does not stop to visualize himself. Certainly, if he is to be 'taken' it must be with a moving picture camera. He travels with the utmost nervous rapidity—a slight frame, an intensely intellectual and even impersonal face, keen and all-seeing eyes behind glasses—a man of extreme mental and physical alertness and agility.

"His incisive personality, sharpened by a penetrating critical instinct, makes him a man of hairsplitting exactitude. Nicety in diction, where writing is concerned, is a part of nicety in form in the detail of a Gothic crocket. He is always the scholar—too much so to be the idealist he might be. He has never been so much a mediaevalist as William

FASTER SYSTEM

MAXIMUM AT MINIMUM
EFFICIENCY AT COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



Morris, largely because he knows too much and partly because, if you set him back in the Middle Ages at breakfast time, he would be meeting you on upper Fifth avenue at lunch time, and be years ahead of you by 5 o'clock tea.

"He is a great architect because he is not something else great, and he is a great Goth-icist because he can make the trip back to the Middle Ages and return to his office in such an amazingly short mental parabola. That Gothic architecture must be very much a creed with him would be evidenced (if any evidence were needed) by his grandly high-handed Gothifying of the Cathedral of St. John the Divine in New York, after its essentially Romanesque inception.

"Mr. Cram could never be a follower. It is not to be supposed that he believed in La Farge less, but rather that he believed in his own individual conviction more. This may sound a little like 'German culture,' but there is nothing to gainsay the attitude, or, in view of the ability and the personality behind it, to deplore it.

"In the final analysis, any architect will be rated by his works, and if he happens to write books, or to give brilliant after-dinner talks, such nervous excursions should not be held against him. Thomas Jefferson designed his house, and some other buildings, but history sets him down a statesman. He was not an architect, although he designed buildings. Mr. Cram is not a writer, although he has written some books. He is better seen, standing in small profile before his splendid big Gothic Tower of the Princeton Graduate School, than looming large behind a little pile of books. Some people might prefer to see themselves otherwise.

"One thing is certain—an architect can be larger than his unarchitectural accom-

plishments (as all great architects have been), but cannot afford to be larger than his architecture, even if this were possible. The greater the architect, the smaller he must appear in proportion to his works.

"We spoke of Mr. Cram's niche in American architecture. He has stepped out of it occasionally with characteristic nimbleness, to be several other kinds of architect, to write books and to give annoyingly brilliant talks, but so quickly that he is back again before we have noticed his absence. It is a Gothic niche, and once belonged to a mediaeval church builder. Mr. Cram could carve just as good a one for himself."

TRADE NEWS AND GOSSIP.

(Continued from page 95.)

Walter E. Buckingham, president; Charles E. Marlor, secretary and treasurer, and Thomas W. Golding, engineer. Mr. Marlor was for many years connected with the firm of Milliken Bros., as general superintendent and for the last four years was general manager of the Central Foundries Co. Mr. Golding was also formerly connected with Milliken Bros., and recently was assistant engineer of the Board of Education of New York City. He will have supervision of design and construction.

**H. H. ROGERS, ONE OF THE DIRECTORS of the Standard Oil Company, is having a new residence erected at Southampton, and one of its most attractive architectural features will be the roofing, which will be red clay tile made to order especially for this job. The surface of the tile has a rough, uneven effect to conform with the old mission style of architecture of the structure. This contract was secured by the Atlas Roofing Company, of Newburgh, through the architect having seen the roof on Robert Goellet's residence at Glenmere Lake, Florida, N. Y., which was put on by this company several years ago and presents a very pleasing appearance, and is the only roof of the sort in this country.

**THE AMERICAN ROAD BUILDERS' Association will hold a joint meeting with the American Highway Association at some time during the Panama-Pacific Exposition. The meeting will be held either in San Francisco or Oakland. Committees have been formed and details are now under consideration.

**ARRANGEMENTS HAVE BEEN COMPLETED whereby R. M. Nicholson will take charge of the advertising of the Berger Manufacturing Company, Canton, Ohio, handled prior to December 1 by G. P. Blackiston. In the interval the advertising was handled by R. L. Krugbaum, who will now continue his work as Promoter of Sales.

**AT A RECENT MEETING OF THE Associated Metal Lath Manufacturers, Youngstown, O., a resolution was passed to the effect that in the future all metal lath

would be designated alone by weight, and in a Metal Lath Hand Book now on the press the Association recommends that in all specifications metal lath be required to be painted, if not galvanized, and to weigh not less than 3½ pounds per square yard.

**MANY OF THE LARGER CONCERNS interested in the manufacture of hollow building tile have recently formed an organization known as the Hollow Building Tile Manufacturers' Association, with permanent headquarters in Cleveland, Ohio. We understand that the product of the manufacturers interested represents between 2,000,000 and 3,000,000 tons of hollow building tile. The object of the new organization is to embrace the entire country as well as Canada, bringing into closer relationship all makers of hollow tile and through this means effecting an improvement in the conditions governing the manufacture, sale and use of fireproofing materials. The officers elected for the ensuing year include the following: President, J. A. Maahs, who is secretary, treasurer and general manager of the Pennsylvania Fireproofing Company; vice-president, W. C. Denison, who is president of the Ohio Clay Company; treasurer, R. E. Whitacre, who is president of the Whitacre Fireproofing Company; secretary, J. W. Rollinson, who is resident manager of the National Fireproofing Company.

**REINFORCED CONCRETE SLABS FOR screens and partitions at the North Station of the Boston Elevated Railway are made of a 1:2:4 mixture of Portland cement, granite crusher dust and small granite screenings. The slabs are reinforced with Clinton wire cloth and round rods in both directions. Dowels, projecting at the sides and ends, are cemented into the adjacent slabs by a mortar filling. The slabs are cast flat, in a sand mould, and, when firmly set, the upper surface, which is flat, is highly polished; this gives a finish, it is stated, similar to the best granite or marble. The exterior face is treated architecturally with panels and mouldings and is left in the rough, as it comes from the form with a coating of sand.

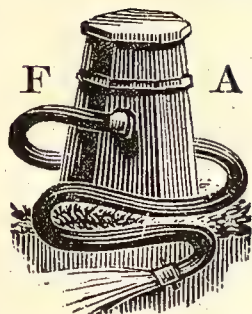
MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

One way to escape the income tax is to quit advertising and do less business.

Fire Association

OF PHILADELPHIA



Organized Sept. 1, 1817
Incorporated March 27, 1820

PERPETUAL CHARTER

Capital, \$750,000.00
Assets, \$9,152,621.97

Officers

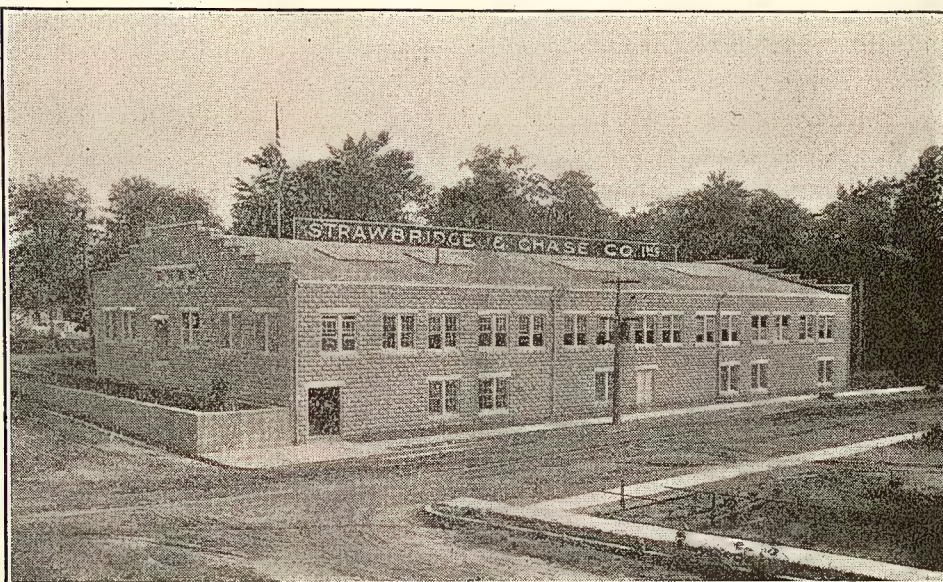
E. C. IRVIN, President
T. H. CONDERMAN, Vice-President
M. G. GARRIGUES, Sec. and Treas.
R. N. KELLY, Jr., Asst. Secretary

Directors

ELIHU C. IRVIN	WILLIAM T. TILDEN
THEO. H. CONDERMAN	HORACE T. POTTS
JAMES BUTTERWORTH	RICHARD CAMPION
JOHN MCKINNEY	DIMNER BEEBER
ROBERT WHITAKER	GEO. W. NEVIL
CHAS. B. ADAMSON	WM. A. LAW
	EDWARD J. MOORE

Office: **COMPANY'S BUILDING**
N. W. Cor. 4th and Walnut Sts., Philadelphia, Pa.

Wire Work



**THIS IS WHERE WE MAKE
EVERYTHING IN WIRE**

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.

REQUIREMENTS FOR THE ADMISSION OF ARCHITECTS TO PRACTICE.

The report of the Committee on Legislation, presented to the forty-eighth annual convention of the American Institute of Architects, contains much that seems to be of both general and timely interest.

The subject of licensing architects or admitting them to practice, as the institute prefers to term it, is one that will require study and definite determination within the next two or three years. If the advantages outweigh the objections, as now seems to be the general impression, every possible effort should be made to secure the enactment of laws containing uniform provisions in all States. If, on the other hand, further study and investigation gives conclusive evidence that such a law is in danger of eventually becoming a check to architecture, it is well that it should be known, in order that proper means can be employed to prevent a spread of an undesirable form of legislation. The committee referred to goes on record as follows:

"We believe, after careful analysis of laws now in force for the admission of architects to practice, and the reports showing their practical workings, that it can be said, first, that architects should be admitted to practice, and that the States having license laws

have proven that the public benefits thereby. We further believe: that if the laws in force are not improved in certain particulars, and if the profession as a body is not for them, and a constant eye kept on their workings, that there are many reasons why they might eventually become a check to architecture and, of course, in that case a hurt to civilization. We believe: that any license law that is not primarily for the good of the public at large is not good for architects, and would be a boomerang to our profession. * * * We believe: that the present laws are deficient in not covering in their definitions of an architect, what an architect is. Most of the present laws define the qualifications of an architect in a way that would lead the public to believe that his principal duties are along structural and sanitary lines. While we know that he should have some knowledge of these matters, they are not by any means the principal qualifications of an architect, and the license laws should describe more fully what the qualifications of a practicing architect are. * * * The architect's most important qualification should be ability in the art of building, and the science of building should be secondary. The architect is not the highest authority on construction or

sanitation, but he should be on planning, grouping, design and color. Are not these latter requirements more necessary of possession by architects to help the public toward better architecture than knowledge of trusses and plumbing?"

This feeling of the committee, comments the "American Architect," can be readily understood, and there is little doubt that the majority of architects would prefer to be known as men proficient in design and color, rather than as men who have expert knowledge of construction and sanitation.

However, laws heretofore enacted designed to regulate the practice of architecture by restricting it to those who have given satisfactory evidence of proper qualifications, have, as far as appear, been based upon the theory of police powers vested in legislatures to enact laws necessary to the protection of life, limb and health. Moreover, where they have been tested their constitutionality has been established by reason of features that were held to be proper means of safeguarding life, limb and health. In other words, it appears that the structural and sanitary features of buildings are, in the eyes of the law, the only ones essential to the physical welfare of the public, and hence constitute the only valid excuse for a license law.

It would be, of course, highly desirable to also regulate and fix artistic standards, if such a thing were possible, but it is not plain just at this time how this could be done.

Even if it were possible, such action would not in any sense appear to justify lowering the standards or eliminating present requirements in matters of structural design and sanitation. These features are essential and necessary, and must be provided by someone. If the architect does not qualify and become responsible for them, someone else will, and it would seem as though such a course would tend to detract from or restrict his present position of authority in charge of building operations. There can be no objection to, and there are a great many things in favor of, adding to the present requirements for registration of architects, a more thorough knowledge of planning, design, grouping and color, but it would appear to be fatal to the success and even validity, perhaps, of a registration law to omit or make less rigid the present requirements in matters affecting the health or safety of those occupying or visiting structures designed by architects; and to our minds, such a course would also be unwise as tending to rob an architect of his position of supreme authority in connection with any building operation under his direction. While, as is stated by the committee, an architect can readily employ engineers to design the structural and sanitary features of buildings, the State has no assurance that he will always do so, and to admit an architect to practice relying upon the probability of his employing others more competent than himself to supply certain essential information and technical service appears as illogical as it would be to admit a physician to practice who was incapable of performing a diagnosis, on the assumption that he would employ a diagnostician to supply what he lacked, and that, after all, the administering of proper treatment or the operation was the great thing.

It would undoubtedly be gratifying to have the public understand fully the architect's function, but we feel that it would be extremely unfortunate if it was to become convinced that the profession held in contempt the practical features of building, the features that contribute to the health, safety and physical comfort of those whose money is expended. Already there is an impression in the public mind that architects are, as a class, impractical, and some members of the profession have been to considerable trouble to convince prospective clients that such impression was erroneous, at least in their own case, and that it would be unwise to divide their commission, employing an architect for only such features as he professed proficiency in, as grouping, planning, design and color, and engineers for the balance of the work. There has always been some difficulty in explaining a demand for authority over matters concerning which only a general or superficial knowledge is claimed, and we expect this to increase with a clearer understanding of the situation by the public. Unless architects are willing to become proficient in all the essentials of their calling and have the fact known, there is undoubted danger of their being eventually deprived of some of the authority and emoluments that they now enjoy.

In that event it might not be necessary to license them, as they would no longer be in a position to endanger the public health or safety any more than would the painter, sculptor or poet. In fact, they would then be much in the same class so far as their work and its effect upon the public was concerned.

\$500 PRIZE AWARDED.

The T-Square Club competition for a semi-detached house—held through the generosity of John H. McClatchy, a Philadelphia builder, who donated the prize money of \$500—was decided last week by the judges, Thomas Shallcross, H. Brockelhurst, M. B. Medary and G. H. Bickley.

The requirements of the competition called for a semi-detached house, 16 feet 4 inches, fronting on a 25-foot lot, located on the north side of Boulevard, facing Hunting Park, west of Tenth street, and to be set back 20 feet from the lot line. The competition required front elevations only.

There were 193 designs submitted by competitors from Philadelphia, New York and Boston. The drawings showed much originality in design and cleverness in presentation, and were voted a grand success by the donor of the prize and the jury of award. The result of the competition was as follows:

First prize, \$250, was awarded to H. B. Register, 1012 Walnut street, Philadelphia, a graduate of the 1910 class of the School of Architecture of the University of Pennsylvania.

Second prize, \$125, went to Antonio di Nardo, 1115 Spruce street, Philadelphia, winner in 1910 of the Stewardson Traveling Scholarship of \$2,500.

Third prize, \$75, to Helen Sowden, of Germantown, who studied at the School of Industrial Arts and Drexel Institute.

Fourth prize, to J. P. Barney, 3731 Locust street, Philadelphia, a 1912 graduate of School of Architecture of the University of Pennsylvania.

The drawings will be on exhibition for the next two weeks at the club house of the Philadelphia Real Estate Board, 1114 Girard street, Philadelphia.

OWNER'S RIGHTS TO REAL ESTATE LIMITED.

Ownership of the fee in real estate does not always imply absolute ownership. Frequently there are rights held by other persons, and, while there are several different classes of "rights," the most of them are restrictions.

A restriction is created by an owner, usually by deed, for the benefit of land adjoining or near by, and usually binds the owner, heirs and assigns, either not to erect certain specified buildings or not to use the land for stated purposes. It often provides the first building erected on the land shall be of a stated kind and shall not cost less than a fixed sum. Such restrictions are frequently limited to a term of years, and even permanent restric-

tions, in form and intent, may lose their force and effect as a result of changed conditions. The courts have so held.

But where an owner contracts to sell his property free and clear, and it turns out there is a restriction of record against it, the buyer can refuse to carry out the contract, even though such a state of facts exist as would make the restriction unenforceable, for it would require lawsuit to determine the facts and their effect and the buyer is not assumed to have intended to buy a lawsuit, says "Real Estate News."

Some real estate leases are such formidable looking documents that not a few persons will not take the time or make an effort to read them so as to thoroughly understand the document to which they are affixing their names. They are apt to take it for granted that it is all right. But it really is important that this indenture receive more than a glance. Papers that enter into various agreements, contracts of sale, mortgages, building contracts, etc., are all complex, but none is more so than the average dwelling house or apartment house lease. In fact, in some cities they are regarded as "brain tangling," and becoming more and more so. Not many persons are aware of the fact that some leases of flats in the city have a chattel clause inserted that places the tenant at the mercy of the landlord if he cannot pay the rent.

CORROSION OF STEEL IN CONCRETE.

Speaking on this subject some time ago, Dr. W. H. Walker, Director of the Research Laboratory of Applied Chemistry, of the Massachusetts Institute of Technology, said that every engineer is well aware of the fact that acidulated water, no matter how small the percentage of acid may be, tends to corrode steel by increasing the number of hydrogen ions present. It had been made clear, from tests he carried out, that there were certain alkaline substances present in concrete which corrected any acidity, and so protected the contained metal work from corrosion. This fact has an important bearing upon the question whether concrete will protect iron or steel from corrosion. Inasmuch as Portland cement, when it sets or hardens, liberates a quantity of caustic lime, which is a strong alkali, the answer to the question must be in the affirmative. Iron or steel will not corrode when imbedded in good concrete. But caustic lime is soluble in water, and poorly made concrete is not impervious to moisture. Therefore, if iron be imbedded in concrete through which water is allowed at any time to percolate, this calcium hydrate will be slowly but surely dissolved. With it will disappear the inhibiting action of the concrete; and iron embedded therein will, in time, rust and become corroded. To ensure absolute protection of the reinforcing members of concrete construction, therefore, such concrete must be of good quality, and sufficiently dense and carefully made to render it waterproof.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son,
11th and Ontario sts., Phila.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Flag Poles (wood and steel).

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co.,
Fidelity Bldg., Phila.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carriek, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

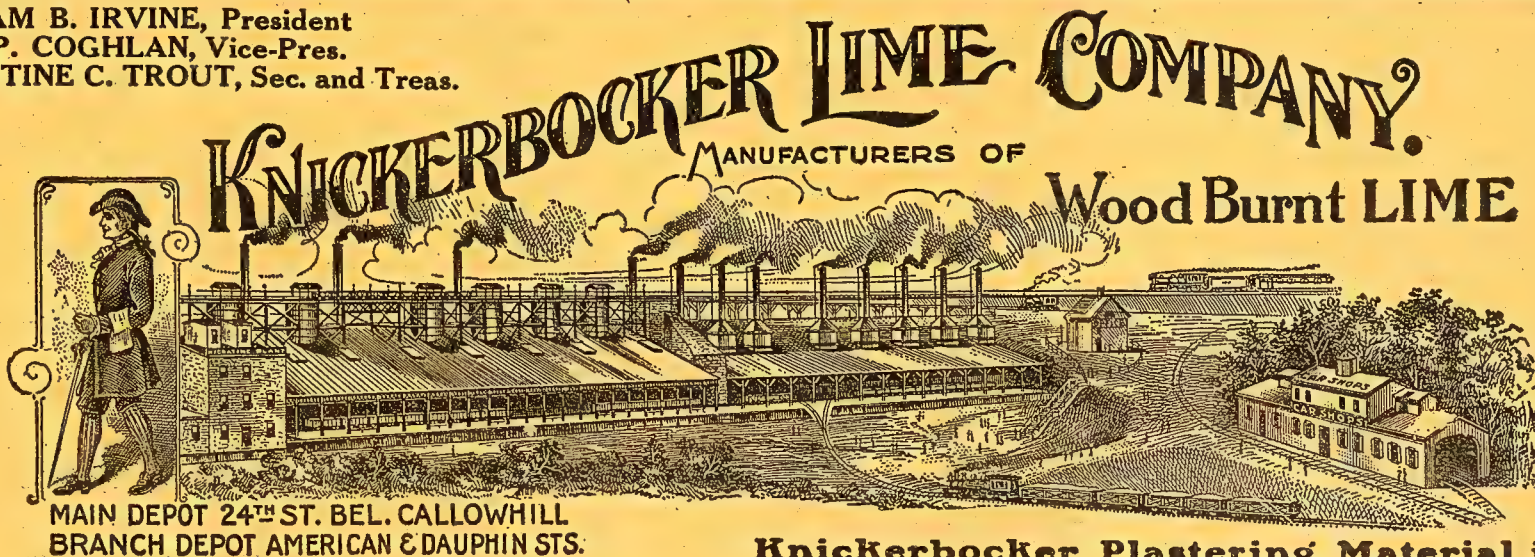
Rough Texture Brick in Golden, Gray and Red Groups

WILLIAM B. IRVINE, President
JOHN P. COGHLAN, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

MANUFACTURERS OF Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.

Send for Book 63

IMPERVITE is Guaranteed to Waterproof Walls, Cellars & Pits.

$\frac{3}{4}$ " facing of IMPERVITE MORTAR on the inside will resist water

The STANDARD PAINT Co. N.Y.

RUBER-OID PRONOUNCED "RU" AS IN "RUBY" ALWAYS SPELLED WITH ONE B.

Send for Book 632

The Original Ready Roofing

For over 20 years
The Standard

THE STANDARD PAINT CO., New York

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

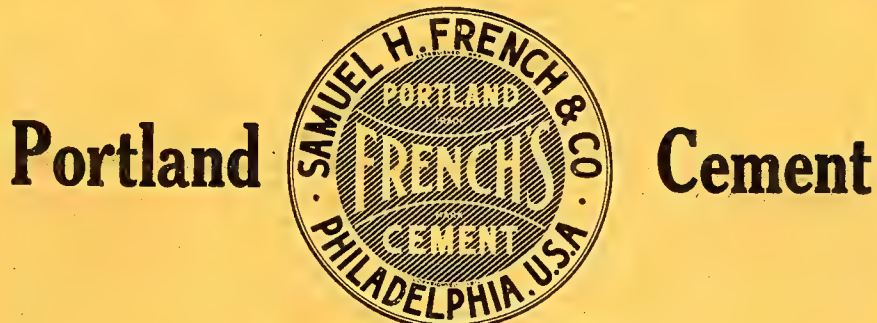
ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 7.

PHILADELPHIA, WEDNESDAY, FEBRUARY 17, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

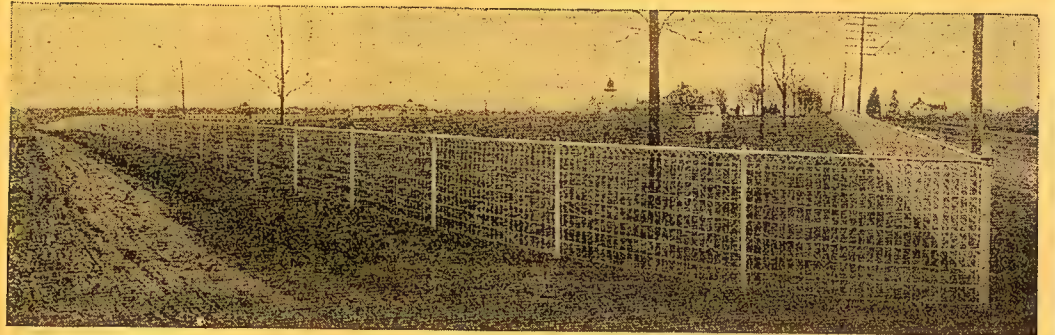
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

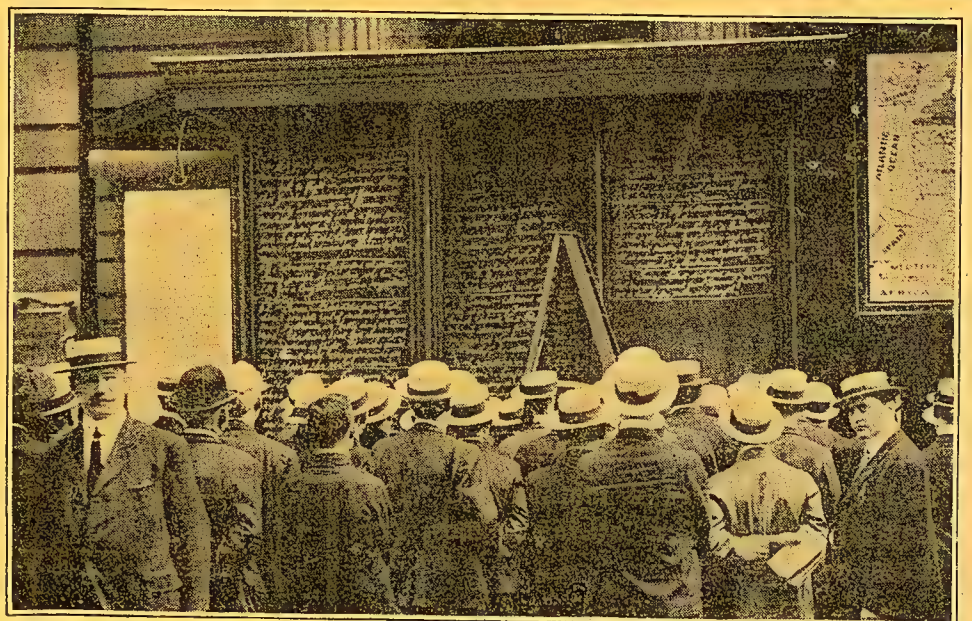
Correspondence Solicited.

Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

ANCHOR POST IRON WORKS
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

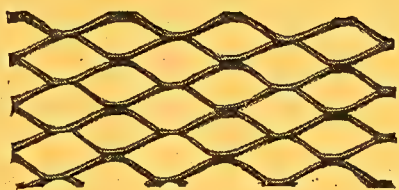
CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO" Expanded Metal Lath



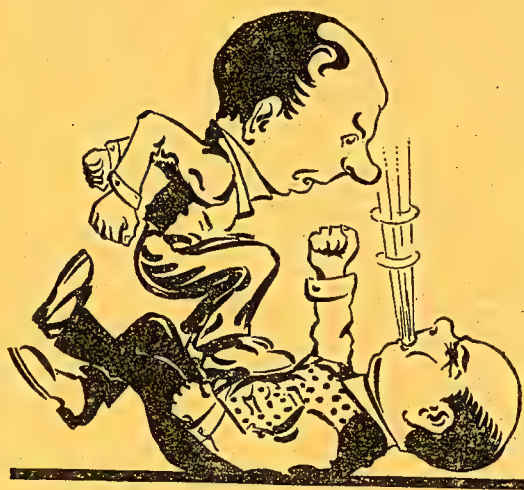
"Bilco" Diamond Mesh is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, [Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges
Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges
64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.
The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

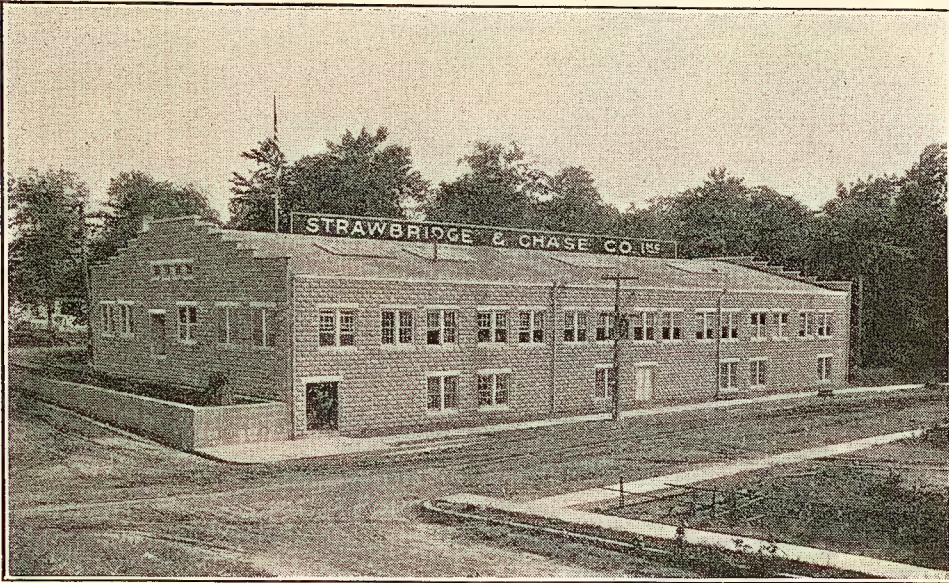
1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.



Money in "F-S" Products is money saved.

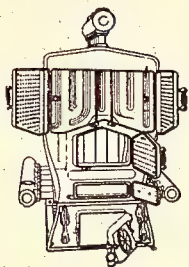
When you specify "Alba Flint Enamel" you protect the purchaser—not only in initial expense but in the long run. One coat covers like two of many others, and the enamel has a reputation for strength of body and great durability. It flows freely and dries with a brilliant, substantial gloss. It is suitable both for outdoor and inside work.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA
(110)

—MILLS—



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

Best by test.

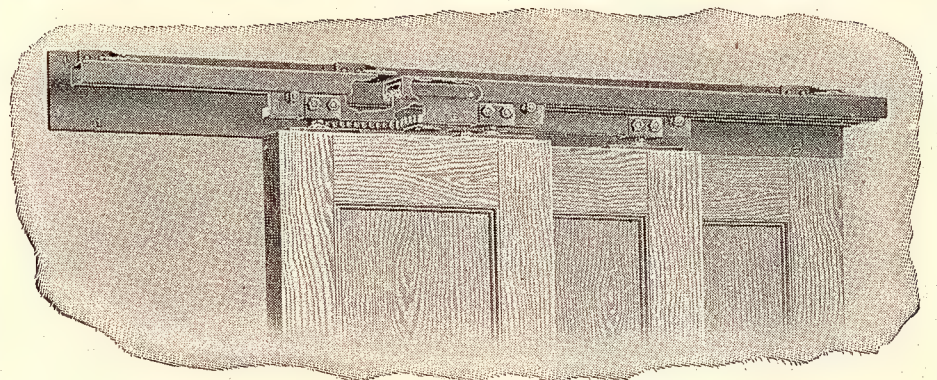
Ask for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

IDEAL Elevator Hanger



IDEAL in Name and Action

"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

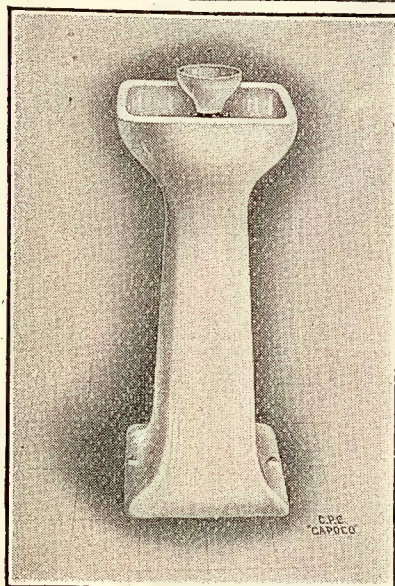


Plate 206 D

"CAPOCO" Sanitary Vitreous Earthenware

Vitreous China Square
Pedestal Bubbler Drinking
Fountain, suitable for Hotels,
Hospitals, R. R. Stations and
all public places. We man-
ufacture a complete line of
Drinking Fountains.

Write for *Catalogue D.*

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing
Land Title Bldg., Phila., Pa.

BLUE, BROWN and BLACK LINE PRINTING
done at reasonable prices. Quick Service. Tracings
called for and promptly delivered.

When buying Drafting materials
and supplies look for this trade-mark,
it stands for highest quality, best
workmanship and prompt service.



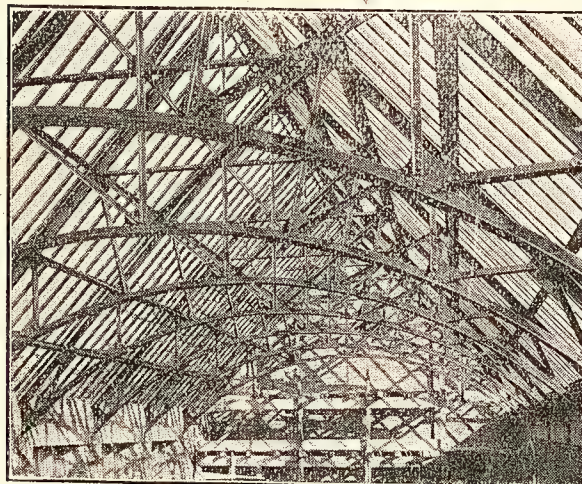
MAIL ORDER PRINTING especially solicited.

F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278

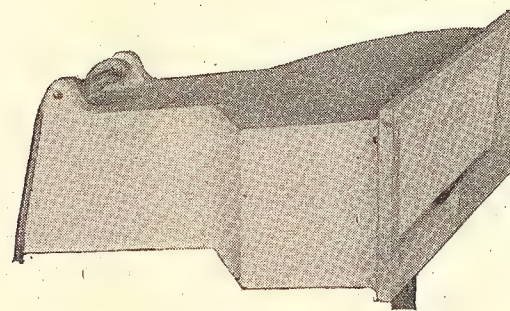


W. E. WARK CO.
1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

WIND SHIELD Underwriters Scuppers in
warehouses, factories, lofts and mercantile buildings will reduce
Insurance Premiums on merchandise, machinery, etc.



(Patented)

WIND SHIELD Scupper
has a shield to prevent
drafts from entering the
building.

Specified by leading archi-
tects and engineers
throughout the United
States.

Write for catalog and copy
of letter from Insurance
Rating Office.

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-69

BAIRD-OSTERHOUT CONSTRUCTION CO.

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 7.

PHILADELPHIA, WEDNESDAY, FEBRUARY 17, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House, Sixty-third and Oxford streets, Philadelphia. Architect, J. C. Fernald, 5533 Wyalusing avenue, Philadelphia. Owner, Daniel Crawford, Jr., 701 North Sixty-third street, Philadelphia. Brick and terra cotta, 4 stories, slag roof, steam heating, electric lighting, oak floors. Plans in progress.

Residences (52), Ithan and Hoffman streets. Architect, private plans. Owner, R. H. Pugh, 5713 Market street, Philadelphia. Brick, 2 stories, 16x33 feet, slag roof, electric lighting, hot water heating, hardwood floors. Owner taking sub-bids.

Residences (63), Thomas avenue and Fifty-sixth street, Philadelphia. Architect, private plans. Owner, R. H. Pugh, 5713 Market street, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, electric lighting, hot water heating, hardwood floors. Owner taking sub-bids.

Restaurant, 1520 and 1522 Market street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, William B. Levis, 1520 Market street, Philadelphia. Lessee, John Thommen, Seventeenth and Chestnut streets, Philadelphia. Brick and terra cotta, 2 stories, 30x76 feet, win 15x47 feet. Plans in progress.

Apartment House (alt.), 1437 North Fifteenth street, Philadelphia, \$6,000. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, W. H. Ney, 707 Perry Building, Philadelphia. Brick, 3 stories, electric lighting, steam or vapor vacuum heating, consists of interior alteration and addition. Architect has received bids.

Bridge and Approaches, South Broad street, Philadelphia. Architect and engineer, Geo. S. Webster, City Hall, Philadelphia. Owners, Department of Public Works, City Hall, Philadelphia. Steel and concrete, 350 feet long, 105 feet wide. Owners taking bids, due February 25th. Enos L. Seeds, 6314 Wissahickon avenue, Philadelphia, figuring.

Church (add.), Germantown avenue and High street, Germantown. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, First Methodist Episcopal Church, care of Rev. C. W. Burns, 257 High street, Germantown. Stone, 1 story, 25x32

feet, slag roof, steam heating, electric lighting. Architects taking bids, due February 19th. The following are figuring: Samuel Harting, 20 East Johnson street; Stokes Bros., 6724 Musgrave street; W. J. Gruhler Co., 219 High street; W. C. Wright, 22 Harvey street; George A. Sorber & Son, 18 Harvey street; Harry H. Cluck, 170 East Walnut street, all of Germantown, Philadelphia.

Moving Picture Theatre (alt. and add.), Point Breeze avenue and Earp street, Philadelphia. Architect, C. E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick, fireproof, 1 story, 36x90 feet, slag roof, steam heating, electric lighting, tile floors. Revised plans in progress.

Residences (103), Fifty-sixth and Fifty-seventh, Hadfield and Malcolm streets, Philadelphia. Architect, J. C. Fernald, 5533 Wyalusing avenue, Philadelphia. Owner, Daniel Crawford, Jr., 701 North Sixty-third street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, steam heating, electric lighting, oak floors. Plans in progress. Owner will take sub-bids.

Residence, Cliveden avenue, Germantown. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Geo. M. Randle, Drexel Building, Philadelphia. Stone, 2½ stories, 22x49 feet, slate roof, electric lighting, hot water heating, oak floors. Owner taking sub-bids.

Residences (16), Fifty-sixth and Whitby avenue, Philadelphia. Architects, private plans. Owners, McGarvey & Steinmetz, 630 South Fifty-sixth street, Philadelphia. Brick, 2 stories, 15x44 feet, slag roof, electric lighting, hot water heating, oak floors. Owners taking sub-bids.

Club House (alt. and add.), Chestnut Hill, Philadelphia. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, Whitmarsh Country Club, Chestnut Hill, Philadelphia. Stone, 3 stories, consists of alteration and addition to second and third floors, marble work, lockers and plumbing work. Plans in progress. Bids in about one week.

Parish House and School, Eighty-sixth and Tinicum avenue, Philadelphia. Architect,

George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Raphael's R. C. Church, care of Rev. J. J. Kane, on premises. Stone and terra cotta, 1 story and 3 stories, 55x130 feet, slate roof, electric lighting, steam heating. Plans in progress. Bids in about one week.

Bank, Passyunk avenue and Bainbridge streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Penn State Bank, care of Herman Loeb, President, City Hall, Philadelphia. Brick and stone, 1 story, 30x75 feet. Plans in progress.

Residence (alt. and add.), Harrowgate and Nicetown lane, Philadelphia. Architect, C. T. Beiswanger, 411 Walnut street, Philadelphia. Owners, Oriental Real Estate Co., 2433 Ambler street, Philadelphia. Brick, 1 story, 16x16 feet. Architect has received bids.

Residence, Germantown, Philadelphia. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owner, Dr. G. Chapin Jenkins, 6406 Germantown avenue, Philadelphia. Stone, 2½ stories, 34x47 feet, slate roof, electric lighting, hot water heating, hardwood floors. Architect taking bids, due February 18th. The following are figuring: R. M. Peterson, 5250 Wakefield street, Germantown; H. H. Burrell, 206 South Camac street; Samuel Harting, 20 East Johnson street, Germantown; George A. Sorber & Sons, 18 Harvey street, Germantown; F. Elvidge & Sons, 522 Germantown avenue, and H. E. Batón, Twelfth and Sansom streets, Philadelphia.

Bath House, Theatre and Residences (4), Thirty-first and Wilt streets, Philadelphia, \$100,000. Architects, B. J. Medoff & Sons, 524 Walnut street, Philadelphia. Owners, Joseph Fisher & M. Lessey, 722 Sansom street, Philadelphia. Brick and steel, fireproof, 2 and 3 stories, 92x130 feet, slag roof, hot water heating, electric lighting, oak floors, metal lath, waterproofing, enamel brick, swimming pool, metal frames and sash. Architects taking bids, due February 25th. William R. Dougherty, 1610 Sansom street; F. Roe Searing, Perry Building; Cramp & Co., Denckla Building; Jacob Gorchov, 317 Reed street;

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

Made on
TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



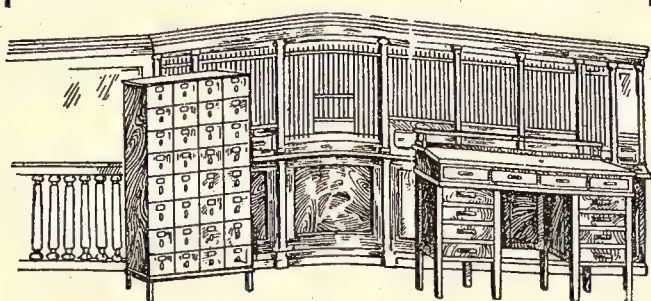
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK

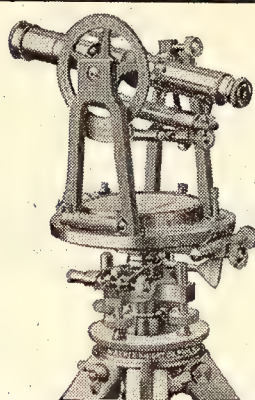


Be sure and get our prices before
you buy your Office Partitions, Cabinet
Work, Store Fixtures, Bank and Office
Fixtures, or anything in interior wood
work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.

450-52 N. 12th Street
Philadelphia, Pa.



POINTS WORTH CONSIDERING

ACCURACY, DURABILITY and EFFICIENCY are three necessary requirements
in the use of a Transit or a Level. Our new Model No. 35

"Sterling" Builders' Transit

fully meets these requirements, and at a price within your reach.

Write TO-DAY for Vest Pocket Manual of Adjustments, Circular containing
"Points Worth Considering" and details of FREE TRIAL OFFER. Special terms
of payment now available.

WARREN-KNIGHT COMPANY

Designers and Makers of "Sterling" Transits and Levels

136 N. TWELFTH STREET

PHILADELPHIA, U. S. A.

Samuel Schultz, 3113 Montgomery avenue;
S. Bennett & Sons, Drexel Building; Lam
Building Co., 1001 Wood street; Samuel Lash-
ner, Fifth and Morris streets; Fred Quate,
1323 Snyder avenue; Bailey-Lush Co., 201
North Broad street; F. A. Havens Co., 845
North Nineteenth street; Turner Concrete
Steel Co., 1713 Sansom street; Freund-Seiden-
bach Co., Bulletin Building; I. T. Shoemaker,
1309 Walnut street; E. J. Kreitzburg, 1345
Arch street; William Linker Co., Heed Build-
ing, all of Philadelphia, are figuring.

Factory (add.), 1617 to 1623 Melon street,
Philadelphia. Architect, Werner Trumbower,
Crozer Building, Philadelphia. Owners, A.
F. Bornot & Bros., Seventeenth and Fair-
mount avenue, Philadelphia. Brick, concrete
floors, 3 stories, 53x56 feet, slag roof (steam
heating, electric lighting and plumbing separ-
ate bids). Architect taking bids, due Febru-
ary 17th. The following are figuring: F. L.
Hoover & Sons, 1023 Cherry street; H. E.
Grau Co., 1707 Sansom street; Ketcham-Mc-
Quade, 1029 Brown street; J. Sims Wilson,
1125 Brown street; Philip Haibach Cont. Co.,
Twenty-sixth and Thompson streets; George
L. Sipps, 912 Locust street; H. H. Wehmeyer,
1004 West Lehigh avenue; Turner Concrete
Steel Co., 1713 Sansom street; A. Whitehead,
1624 Latimer street; William R. Dougherty,
1610 Sansom street; Stacy Reeves & Sons,
2011 Market street; Barclay White & Co.,
Perry Building, all of Philadelphia.

Factory (add.), Somerset and Tulip streets,
Philadelphia, \$3,500. Architect, private plans.
Owners, J. D. Grover Sons & Co., on premises.
Brick, 2 stories, 47x94 feet, slag roof, electric
lighting. Owners are building.

Residences (22), Twelfth and Wingohock-
ing streets, Philadelphia. Architect, private
plans. Owners, John F. McGinty & Co., Fifth
and Wingohocking streets, Philadelphia.
Brick, 2 stories, 16x46 feet, slag roof, electric
lighting, hot water heating, hardwood floors.
Owners taking sub-bids on all lines.

Church (add.), Broad and Duncannon
streets, Philadelphia. Architect, George I.
Lovatt, 418 Walnut street, Philadelphia.
Owners, Holy Child R. C. Church, Rev. Wm.
J. McCaffrey, 5220 North Broad street, Phila-
delphia. Granite, 2 stories, 65x145 feet, slate
roof, steam heating, electric lighting, marble
work. Plans in progress. Architect will take
bids in about three weeks.

Residences (76), Malcolm, Hadfield, Fifty-
third and Fifty-fourth streets, Philadelphia.
Architect, private plans. Owner, Charles E.
Biddle, 1248 South Fifty-third street, Phila-
delphia. Brick, 2 stories, 16x40 feet, slag roof,
hot water heating, electric lighting, hardwood
floors. Owners taking sub-bids.

Cottages (6), Willow Grove avenue, East of
Crefelt street, Philadelphia. Architects,

Duhring, Okie & Zeigler, Bailey Building,
Philadelphia. Owner, Dr. George Woodward,
North American Building, Philadelphia. Brick
and plaster, 2 stories, 16x45 feet each, slate
roofs, oak floors, metal lath, hot air heating,
electric work. Joseph Bird Co., 213 North
Eleventh street, Philadelphia, and Vander-
berry Bros., Chestnut Hill, Pa., are figuring
on carpentry and mill work.

Apartment House, Forty-sixth and Spruce
streets, Philadelphia. Architect, private
plans. Owner, Harrison N. Diesel, 4943 Ches-
ter avenue, Philadelphia. Brick and terra
cotta, fireproof, 4 stories, 50x80 feet, composi-
tion roof, electric lighting, vapor vacuum
heating, hardwood floors. Plans in progress.
Owner will take sub-bids.

Residences (24), Fifty-ninth and Pentridge
streets, Philadelphia. Architect, E. Allen
Wilson, 1208 Chestnut street, Philadelphia.
Owner, George F. Gibson, Jr., 5807 Willows
avenue, Philadelphia. Brick, 2 stories, 15x30
feet, hot water heating, electric lighting, slag
roof, hardwood floors. Owner taking sub-
bids.

Factory, Eighteenth and Cambria streets,
Philadelphia. Architect, private plans. Own-
ers, Linde Air Products Co., Forty-second
Street Building, New York City. Brick and
concrete, 3 stories, 108x124 feet, slag roof,
steam heating, electric lighting. Owners tak-
ing bids, due February 18th. Joseph Bird
Co., 213 North Eleventh street, and W. W.
Lindsay Co., Harrison Building, both of Phila-
delphia, are figuring.

Garage, Fern Rock, Philadelphia. Archi-
tect, Welsey L. Blithe, 608 Chestnut street,
Philadelphia. Owner's name withheld. Stone,
1½ stories, 21x28 feet, slate roof, hot water
heating, electric lighting, gasoline storage.
Plans in progress. Bids in about two weeks.

Residences (24), Fifty-ninth and Hadding-
ton avenue, Philadelphia. Architect, H. E.
DeHoff, 48 South Sixty-first street, Philadel-
phia. Owners, Berman Bros., 6027 Market
street, Philadelphia. Brick, 2 stories, 16x40
feet, slag roof, hot water heating, electric
lighting, hardwood floors. Plans in progress.
Owners will take sub-bids.

School, Fifty-sixth and Kingsessing avenue,
Philadelphia. Architect, J. Horace Cook,
Land Title Building, Philadelphia. Owners,
Board of Education, City Hall, Philadelphia.
Brick and stone, fireproof, 3 stories, 100x275
feet, slag roof, metal lath, waterproofing,
safety treads (heating, lighting and plumb-
ing separate bids), metal frames and sash.
Plans in progress. Owners will be ready for
bids in ten days.

School (add.), Sixty-third and Elmwood
avenue, Philadelphia. Architect, J. Horace
Cook, Land Title Building, Philadelphia.
Owners, Board of Education, City Hall, Phil-

UNITAS TILING

A non metallic substitute for
tile and wood

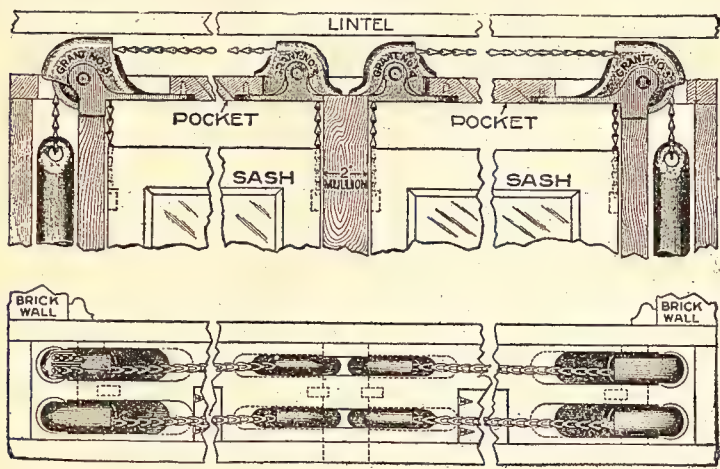
Manufactured by the Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

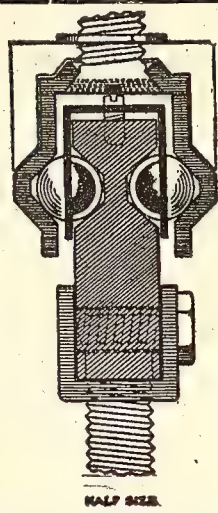
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Philadelphia. Stone and brick, 3 stories, slag roof (heating and lighting reserved), metal ceilings, metal lath, metal frame and sash. Plans in progress. Bids in about ten days.

School (add.), Second and Wolf streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Stone, 3 stories, slag roof. Plans in progress. Bids in about ten days.

Garage (alt. and add.), 4914 North Broad street, Philadelphia. Architect, private plans. Owners, Home Service Garage, care of J. L.

Wetherill, 4914 North Broad street, Philadelphia. Brick, 1 story, 55x64 feet, slag roof, electric lighting. Owners taking bids, due February 17th. Freund-Seidenbach Co., Bulletin Building, Philadelphia, are figuring.

Stable and Shop, Wolf and Meadow streets, Philadelphia, \$3,700. Architect, Harry Raech, Drexel Building, Philadelphia. Owner, Richard Hamilton, Water and Reed streets, Philadelphia. Brick, 1 story, 30x60 feet and 25x150 feet, slag roof, electric lighting. Builder, H. A. Streeton, 1511 North Sixtieth street, taking sub-bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage, Fifty-first and Spruce streets, Philadelphia, \$4,250. Architect, private plans. Owner, Anna H. Thomas, 305 South Fifty-first street, Philadelphia. Brick, 1 story, 71x108 feet, slag roof, steam heating, electric lighting. Contract awarded to B. F. Thomas, 305 South Fifty-first street, Philadelphia.

Loft Building, northeast corner Thirteenth and Appletree streets, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Louis A. Belmont, 726 Market street, Philadelphia. Reinforced concrete, 9 stories, 83x100 feet, slag roof, steam heating, electric lighting, elevators, sprinkler system. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Home (alt. and add.), Fifty-eighth and Greenway avenue, Philadelphia. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owners, Presbyterian Home for Widows and Single Women, on premises. Stone, 2½ stories, 35x100 feet, slate roof (heating and electric work reserved by architect). Contract awarded to William J. Gruhler Co., 219 East High street, Germantown.

Residences (2), Erdrich and Dark Run lane, Philadelphia, \$3,500. Architect, private plans. Owner, Stella M. Stokes, 1663 Brill street, Philadelphia. Brick, 2 stories, 15x35 feet,

slag roof, hot air heating. Contract awarded to W. J. Stokes, 1663 Brill street, Philadelphia.

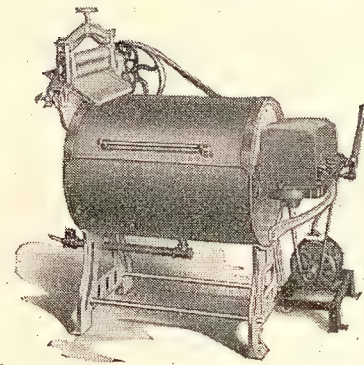
Boiler House, Hancock and Berks streets, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Philadelphia Dye Works, on premises. Brick and concrete, 2 stories, 30x75 feet, slag roof. Contract awarded to A. L. Fretz & Sons, 1222 Chancellor street, Philadelphia.

Sedimentation Basin and Office Building and Wheel House, Torresdale, Pa., \$390,000. Architect, private plans. Owners, Department of Public Works, Bureau of Water, City Hall, Philadelphia. Stone and brick, 1 and 2 stories, 26x75 feet and 23x36 feet, slate and slag roof, steam heating, electric lighting, metal frames and sash, enamel brick. Contract awarded to Snare & Triest Co., Woolworth Building, New York City and Pier 40, South Wharves, Philadelphia.

Warehouse (add.), American street and Susquehanna avenue, Philadelphia, \$1,514. Owners, Dungan-Hood Co., on premises. Brick and frame, 1 story, slag roof. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue.

Residence (alt. and add.), Germantown and Sunset avenues, Philadelphia, \$1,000. Archi-

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



HARRY C. EISENBISE CO.
Consulting Engineers
1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

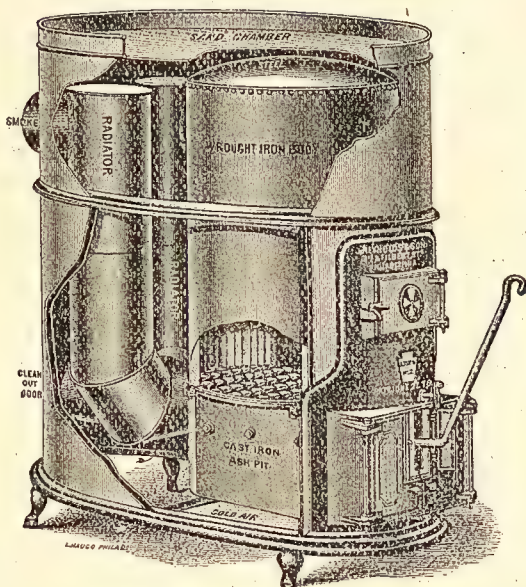
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Architect, Louis H. Rush, 110 South Fifteenth street, Philadelphia. Brick, 3 stories, 7x15 feet, slate roof, electric lighting. Contract awarded to Thomas M. Seeds, Jr., 1207 Race street, Philadelphia.

Residence (alt. and add.), 721 DeLancey street, Philadelphia, \$1,500. Architect, private plans. Owner, M. Lane, 720 Spruce street, Philadelphia. Brick, 1 story, 19x40 feet, slag roof, electric lighting. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

Residence, Oak Lane, Philadelphia, \$4,500.

Architect, private plans. Owner, E. H. Hedley, 510 Oak Lane avenue, Philadelphia. Brick and frame, 2 stories, 16x30 feet, slag roof, steam heating, electric lighting. Contract awarded to F. R. Hill, 6700 North Sixth street, Philadelphia.

Picture Theatre (alt. and add.), 2236 North Front street, Philadelphia, \$3,000. Architect, private plans. Owners, Mastbaum Bros. & Fleisher, North American Building, Philadelphia. Brick, 1 story, consists of interior alteration and addition. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

PENNSYLVANIA

Construction News



METROPOLITAN BUILDING, PHILADELPHIA
One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION.**

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting
Painter and Decorator
Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ransted Street Pa.

Store Building (alt. and add.), Reading, Pa., \$20,000. Architect, H. J. Maurer, 33 North Sixth street, Reading Pa. Owner, J. L. Huye, 552 West James street, Lancaster, Pa. Brick, 5 stories, 30x270 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

School (add.), Mount Penn, Pa., \$12,000. Architect, H. J. Maurer, 33 North Sixth street, Reading, Pa. Owners, Mount Penn School District, care of C. H. Wieand, President, 612 Court street, Reading, Pa. Brick, 2½ stories, 68x45 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing, slate blackboards. Plans in progress. Owners will take bids in one month.

Church and Sunday School, Easton, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Luke's Lutheran Church, Easton, Pa. Stone, 1 story, 50x110 feet, slate roof, steam heating, electric lighting. Plans for superstructure completed. Architect will take bids in the spring.

Store Building (alt. and add.), Lebanon, Pa., \$8,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, George Krause Hardware Co., Lebanon, Pa. Brick, 1 story, 20x40 feet, Carey's roof, electric lighting, office fixtures, metal frames and sash. Plans in progress.

Residence, Wyomissing, Pa., \$5,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owner, Charles H. Fisher, Second and Chestnut streets, Reading, Pa. Stone, 2½ stories, 28x32 feet, slate roof, hot water heating, gas and electric lighting, hardwood

floors, tile work, metal lath. Owner taking sub-bids.

Residences (4), Reading, Pa., \$14,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, J. B. Schaeffer, Mount Penn, Reading, Pa. Brick, 2½ stories, 32x20 feet, slate roof, hot air heating, electric lighting. Plans in progress.

Residence (alt. and add.), Wyomissing, Pa., \$3,500. Architects, Stetler & Mengel, Wyomissing, Pa. Owner, Robert C. Rohm, Wyomissing, Pa. Frame, 2 stories, 15x30 feet and 16x16 feet, tin roof, electric lighting. Plans in progress.

Experiment Station and Power House, Pittsburgh, Pa. Architects, Oscar Wenderoth and H. Hornbostel (associated), Washington, D. C. Owner, U. S. Government, Washington, D. C. Brick, stone, steel and concrete, 3 stories and basement, 200x240 feet, slate and slag roof, tile floors, safety treads, waterproofing, metal lath (heating and lighting reserved). Owners taking bids, due March 11th. In addition to those previously reported, the following are figuring: Edw. Fay & Sons, 2 South Mole street; Charles Gilpin, Harrison Building; Irwin & Leighton, 126 North Twelfth street, Philadelphia.

School, Pottsville, Pa. Architect, Frank X. Reilly, Pottsville, Pa. Owners, Board of Education, Pottsville, Pa. Brick and stone, 3 stories, 62x132 feet, slate and slag roof, waterproofing (heating, electric work and plumbing separate bids). Owners taking bids, due February 24th. F. Roe Searing, Perry Building, Philadelphia, is figuring.

Store Building (add. to fourth floor), Hunt-

LIGHTING FIXTURES

In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.

ingdon, Pa. Architects, Charles L. Hillman & Sons, Provident Life Building, Philadelphia. Owners, C. H. Miller Hardware Co., Huntingdon, Pa. Brick, 4 stories, 65x75 feet, slag roof, electric lighting, steam heating. Plans in progress.

Automobile Show Rooms, Penn avenue and Whitfield street, Pittsburgh, Pa. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Henry A. Laughlin, West Chestnut avenue, Chestnut Hill, Phila. Brick, terra cotta and steel, fireproof, 2 stories, 100x131 feet, slag roof, steam heating, 4 elevators. Architect has received bids.

Residence (alt. and add.), Langhorne, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, John M. Patterson, Langhorne, Pa. Stone, 2½ stories, 30x40 feet, shingle roof (heating, plumbing and electric work reserved by architect). Architect has received bids.

Store (alt.), Reading, Pa., \$3,500. Architects, Stetler & Mengel, Wyomissing, Pa. Owner, Joseph W. Cohen, 658 Penn street, Reading, Pa. Consists of new front, new store fixtures, electric lighting. Plans in progress. Architects will take bids in one week.

Church and Sunday School, Allentown, Pa., \$50,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. James' Reformed Church, Allentown, Pa. Stone, 1½ stories, 45x100 feet and 35x100 feet, slate roof, steam heating, electric lighting, metal lath. Architect taking revised bids, due February 19th. Ochs Construction Co. and W. H. Gangewere, both of Allentown, Pa., are figuring.

Bank Building (alt. and add.), Allentown, Pa. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Second National Bank, Allentown, Pa. Stone and brick, consists of new front and interior alteration (heating and lighting and interior fixtures reserved). Architects taking bids, due March 1st. The following are figuring: Doyle & Co., 1519 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; H. E. Baton, Twelfth and Sansom streets; Charles McCaul Co., 1713 Sansom street; H. H. Burrell, 206 South Camac street; Irwin & Leighton, 126 North Twelfth street; William R. Dougherty, 1610 Sansom street; A. Raymond Raff, 1635 Thompson street; Cramp & Co., Denckla Building; George H. Hardner, Allentown, Pa.; Ritter & Smith, Allentown; H. D. Sheldon, Allentown, Pa.; Ochs Construction Co., Allentown, Pa.

School Mahanoy City, Pa., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Mahanoy City, Pa. Brick and stone, fireproof, 3 stories, 100x160 feet. Plans in progress.

Church, Conshohocken, Pa. Architect, Geo. I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Matthew's R. C. Church, care of Rev. James P. Parker, on premises. Stone, 1 story, 89x140 feet, slate roof (heating and lighting reserved), metal lath. Architect taking bids, due February 24th. The following are figuring: Melody & Keating, Bailey Building; Stacy Reeves & Sons, 2011 Market street; William R. Dougherty, 1610 Sansom street; H. P. Schneider, York road and Erie avenue; William J. McShane, 417 South Thirtieth street; E. E. Hollenback, Fifteenth and Race streets; Daniel H. Dugan, Trenton, N. J.; Charles D. Burns, Bridgeport, Pa.

Department Store (alt. and add.), Harris-

burg, Pa., \$40,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Bowman & Co., Harrisburg, Pa. Brick and terra cotta front, 6 stories, 28x105 feet, slag roof, steam heating, electric lighting, waterproofing and dampproofing, metal lath. Plans about completed. Architect will take bids in one week.

Lodge Building, Harrisburg, Pa., \$11,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Brothely Love, G. U. O. Odd Fellows, Harrisburg, Pa. Brick, 3 stories, 46x47 feet, composition roof, steam heating, electric lighting, waterproofing and dampproofing. Plans in progress.

School, Fairview Township, Pa., \$8,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, School Board, care of John Greenfield, Chairman, Lewisburg, Pa. Brick, 1 story. Details undecided. Preliminary plans in progress.

Engine House, Harrisburg, Pa., \$7,500. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, City of Harrisburg, City Hall, Harrisburg, Pa. Brick, 2 stories, 25x72 feet, composition roof, steam heating, electric lighting, cement floors. Plans about completed. Owners will take bids in one week.

Warehouse, Lewistown, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Whitman & Swarz, Harrisburg, Pa. Brick, 3 stories, 40x80 feet, composition roof, electric lighting. Plans in progress. Architect will take bids in one month.

Residences, Harrisburg, Pa., \$6,500. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, David Fortna, Harrisburg, Pa. Brick, 2 stories, 30x35 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Harrisburg, Pa., \$5,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Daniel Weinhold, Harrisburg, Pa. Brick, 2 stories, 24x32 feet, slate roof, hot water heating, electric lighting. Architect taking bids, due February 26th.

Residences (10), York, Pa., \$20,000. Architect, Robert W. Bowers, 47 East Market street, York, Pa. Owner, A. W. Seacrist, 315 South Duke street, York, Pa. Frame, 2½ stories, 22x32 feet each, shingle roofs, steam heating, gas and electric lighting. Plans in progress.

Bank Building, Waynesboro, Pa., \$25,000. Architect, A. C. Leach, 323 North Charles street, Baltimore, Md. Owners, Citizens' National Bank, Waynesboro, Pa. Brick, stone and terra cotta, 1 story, 40x60 feet, slag roof, steam heating, electric lighting, tile and marble work, banking fixtures. Plans about completed. Architect will take bids in ten days.

Residence, Waynesboro, Pa., \$12,000. Architect, James H. McClymont, Lehman Building, York, Pa. Owner, H. L. Fisher, Waynesboro, Pa. Brick, 2½ stories, 46x43 feet, slate roof, vapor vacuum heating, electric lighting, hardwood floors, tile work. Architect has received bids.

Bungalow, Hanover, Pa., \$6,500. Architect, James H. McClymont, Lehman Building, York, Pa. Owner, L. K. Phreaner, Hanover, Pa. Stone and frame, 1½ stories, 50x45 feet, shingle roof, hot air heating, electric lighting, hardwood floors, tile work. Architect taking bids, due February 17th. W. J. Klunk,



EXPERIENCE and Organization enable us to execute Building Contracts thoroughly.

Strict attention to details of Heavy Construction or Artistically delicate work.

Graham-Campion Co.
BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*

Enjoy a Generous Supply of Heat

during the cold days and nights of February. Get a

Gas Heating Stove

Little expense—no trouble—quick results.

Reflector Heaters, \$2.85 to \$10.85.

Cylindrical Heaters, \$1.95 and \$2.10.

(Connections extra).

Convenient terms of payment.

See the display at any "U. G. I." store, or send for a representative.

THE UNITED GAS IMPROVEMENT CO.

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG. YORK : PA.

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

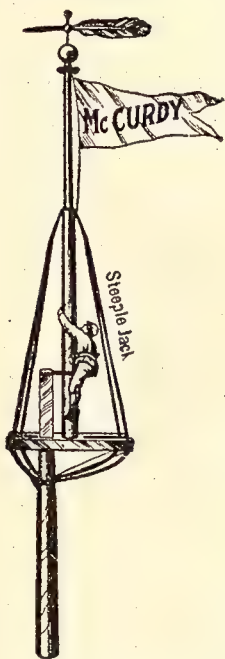
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

All Sizes

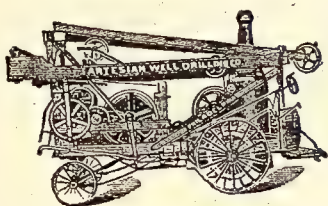
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

Hanover, Pa., and S. F. Glatfelter, Small Building, York, Pa., are figuring.

Residence, Drexel Hill, Pa. Architect, Welsey L. Blithe, 608 Chestnut street, Philadelphia. Owner's name withheld. Stone and frame, 2½ stories, 35x42 feet, hot water heating, electric lighting, shingle roof. Plans in progress. Bids in about two weeks.

Residence, Swarthmore, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Dr. William A. Jaquette, Flanders Building, Philadelphia. Hollow tile and stucco, 2½ stories, 20x35 feet. Plans in progress.

Pennsylvania Contracts Awarded

School, Myerstown, Pa., \$30,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, E. L. Bleistein, Secretary, Myerstown, Pa. Brick and stone, 2 stories, 140x83 feet and 20x75 feet, slag roof, slate blackboards, metal lath, waterproofing and safety treads (heating, plumbing and electric work reserved. Contract awarded to Beard Construction Co., Reading, Pa.

Residence (alts.), Ardmore, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Lower Township Commissioners, Ardmore, Pa. Stone and frame, 2½ stories, consists of general interior alterations. Contract awarded to Philip S. Davis, Bryn Mawr, Pa.

New Jersey Construction News

Residences (50), Pennsgrove, N. J., \$100,000. Architect, private plans. Owners, Du Pont Powder Co., Dupont Building, Wilmington, Del. Frame and concrete, 2 stories, 28x30 feet each, shingle roof, hot air or steam heating, electric lighting, metal lath. Plans in progress.

Residence, Pennington, N. J. Architect, E. E. Hollman, 1509 Arch street, Philadelphia. Owner, C. E. Cox, Pennington, N. J. Frame and plaster, 2½ stories, 36x41 feet, metal tile roof, electric lighting, hot water heating, oak floors. Owner taking bids.

Hotel (remodeling), Trenton, N. J. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Brick, 3 stories, 60x100 feet, electric lighting, tile or composition floors, metal lath, store front, bar fixtures, etc. Plans in progress.

Store Building (alts.), Trenton, N. J., \$2,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, E. F. Hooper & Co., 8 South Warren street, Trenton, N. J. Consists of new front and interior alterations, tile work, vault lights, iron sidewalk doors. Ready for bids.

Bungalow, Trenton, N. J., \$3,500. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Emil Winkler, 46 Maple street, Trenton, N. J. Brick, 1 story, 32x42 feet, slate roof, hot water heating, electric lighting, hardwood floors. Architect ready for bids.

Residences (4), Trenton, N. J., \$10,000. Architect, private plans. Owner, Fred T. Walters, Lumberville, Pa. Frame, 2½ stories, 14x42 feet each, slate roof, hot air heating, gas and electric lighting. Owner taking sub-bids.

Residences (3), Trenton, N. J., \$7,500. Architect, private plans. Owner, Genaro Tucillo, Trenton, N. J. Brick, 2½ stories, 12x16 feet

each, slate roofs, hot air heating, gas lighting. Owner taking sub-bids.

Insane Hospital (add.), Trenton, N. J., \$50,000. Architect, George S. Drew, State Capitol Building, Trenton, N. J. Owner, State Hospital for Insane, L. F. Atchley, Warden, Trenton, N. J. Brick, 3 stories, 34x250 feet, consists of kitchen wing and administration building, slag roof, steam heating, electric lighting, composition floors. Owners taking bids, due March 2nd. The following are figuring: McCloskey & Bahls, Hale Building; Metzger & Fisher, Denckla Building; F. Roe Searing, Perry Building; Edward Fay & Son, 2 South Mole street; James H. Wells, Heed Building; Charles Gilpin, Harrison Building; Berry-Goodwin Co., Drexel Building, all of Philadelphia; Dekimpe Construction Co., Hoboken, N. J.; Flynt Building and Construction Co., Palmer, Mass.; Jersey City Construction Co., 75 Montgomery street, Jersey City, N. J.; George B. Wills Co., 101 Park avenue, New York City; J. S. Rogers Co., Moorestown, N. J.; S. W. Mather & Sons, Trenton, N. J.; Charles W. Whitemour, 45 Burgess Place, Passaic, N. J.

New Jersey

Contracts Awarded

Boarding House, Parlin, N. J., \$27,000. Architect, private plans. Owners, du Pont Powder Co., du Pont Building, Wilmington, Del. Frame and concrete, 2 stories, 90x50 feet, shingle roof, steam heating, electric lighting. Contract awarded to J. A. Bader & Co., du Pont Building, Wilmington.

Boarding House, Hasker, N. J., \$27,000. Architect, private plans. Owners, du Pont Powder Co., du Pont Building, Wilmington, Del. Frame and concrete, 2 stories, 80x90 feet, 2 wings 28x60 feet each, shingle roof, steam heating, electric lighting. Contract awarded to J. A. Bader & Co., du Pont Building, Wilmington, Del.

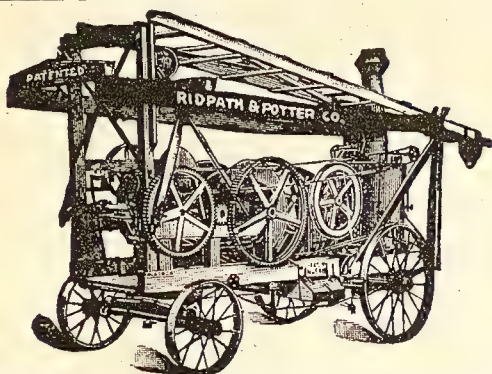
Residences (10), Pennsgrove, N. J., \$20,000. Architect, private plans. Owners, du Pont Powder Co., du Pont Building, Wilmington, Del. Frame, 2 stories, 28x30 feet each, shingle roof, hot air heating, electric lighting. Contract awarded to J. A. Bader & Co., du Pont Building, Wilmington, Del.

Schools (3), Barrington, N. J., Lawnside, N. J., and Highland Park, N. J., \$33,230. Architect, John L. Coneys, 1513 Walnut street, Philadelphia. Owners, Board of Education, Center Township, Ed. Graeff, Clerk, Magnolia, N. J. Brick, 2 stories, slate or slag roof, steam heating, electric lighting. Contract awarded to W. R. Titus, Paulsboro, N. J.

Platform and Shelter Sheds, Rahway, N. J., \$24,000. Architect and engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Concrete and steel, 1 story, 300 feet long, slag roof, electric lighting. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Power House (add.), Atlantic City, N. J. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Leeds Company, Atlantic City, N. J. Brick, 3 stories, 14x40 feet, slag roof, metal lath, metal frames and sash, safety treads. Contract awarded to Philip G. Hannum, 16 North Georgia avenue, Atlantic City, N. J.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

MARYLAND

Construction News

Residences (6), Barclay street, near Thirty-first street, Baltimore, Md., \$9,500. Architect, S. R. Russell, 2900 Clifton avenue, Baltimore, Md. Owners, Abell Building Co., Thirty-first and Abell avenue, Baltimore, Md. Brick, 2 stories, 16x40 feet each, tin roof, hot air heating, electric lighting. Owner is sub-letting all contracts.

Residences (10), Falls road, near Thirty-first street, Baltimore, Md., \$15,000. Architect, private plans. Owners, James A. Bealmear & Son Co., Fidelity Building, Baltimore, Md. Brick, 2 stories, 16x40 feet each, tin roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Residence, Hilltop Park, Md., \$5,000. Architect, private plans. Owner, C. H. Bradfield, 4 West Hamilton avenue, Baltimore, Md. Frame, 2½ stories, slate roof, hot water heating, electric lighting. Plans in progress.

Can Factory (add.), 717 South Wolfe street, Baltimore, Md. Architect, private plans. Owners, Southern Can Co., on premises. Brick and concrete, number of stories and details not decided. Plans will soon be started.

Office Building, Guilford avenue, Baltimore, Md. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owners, Crown Cork and Seal Co., on premises. Brick, 4 stories, slag roof, steam heating, electric lighting. Plans in progress.

Theatres (2), Pennsylvania avenue and Central avenue, Baltimore, Md. Architect, not yet selected. Owner, Josiah Diggs, 2040 Druid Hill avenue, Baltimore, Md. Brick, concrete and steel, 1 story, 25x100 feet and 1

story, 40x150 feet, tin roof, steam heating, electric lighting, concrete floors, waterproofing and dampproofing. Owner will soon select architect.

Residences (3), Auchestoroly Terrace, Baltimore, Md., \$12,000. Architect, Henry J. Tinley, Saratoga and St. Paul streets, Baltimore. Owner, J. B. Yeatman, care of architect. Brick, 2 stories, 15x62 feet, tin roof, steam heating, electric lighting. Plans completed.

Theatre, Edmondson avenue and Pulaski street, Baltimore, \$15,000. Architect, W. O. Sparklin, Law Building, Baltimore, Md. Owners, Edmondson Amusement Co., Baltimore, Md. Brick, 2 stories, 42x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Warehouse and Stable, rear of 1700 Edmondson avenue, Baltimore, Md. Architects, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owners, Baltimore Storage and Moving Co., 1710 Edmondson avenue, Baltimore, Md. Brick, 1 story, 64x112 feet, slag roof, electric lighting, concrete floors. Architects have received bids.

School, Chestertown, Md., \$15,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Jefferson Smyth, President, Chestertown, Md. Brick, 2 stories, 50x92 feet, slag roof, hot air heating, electric lighting, waterproofing and dampproofing. Plans in progress. Owners will take bids about April 1st.

MARYLAND

Contracts Awarded

Church, Arlington, Md., \$20,000. Architect, Clyde N. Friz, Munsey Building, Baltimore, Md. Owners, Arlington First Presbyterian Church, Arlington, Md. Stone, 1 story, slate roof, steam heating, electric lighting. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore, Md.

Machine Shop, Canton, Md., \$60,000. Architect, private plans. Owners, Standard Oil Co., Pratt and Commerce streets, Baltimore, Md. Reinforced concrete, 2 stories, 50x192

feet, slag roof, electric lighting, concrete floors. Contract awarded to Turner Construction Co., 11 Broadway, New York City.

Gymnasium (alt. and add.), Frederick, Md., \$10,000. Architect, J. B. Hamme, Wiest Building, York, Pa. Owner, Hood College, Frederick, Md. Brick, 3 stories, 100x100 feet, slate roof, steam heating, electric lighting, hardwood floors, metal lockers, swimming pool. Contract awarded to Lloyd C. Culler, Frederick, Md., who will take sub-bids.

Miscellaneous Construction News

Bank Building, Toledo, Ohio. Architects, Mills, Rheines, Bellman & Nordhoff, Ohio Building, Toledo, Ohio. Owners, Northern National Bank, Toledo, Ohio. Brick, stone and steel, fireproof, 2 stories, 60x125 feet,

slate and slag roof, electric light, steam heat, metal lath, waterproofing, iron stairs. Architects taking bids, due, February 20th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



**Does Your
Roof Leak?**

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

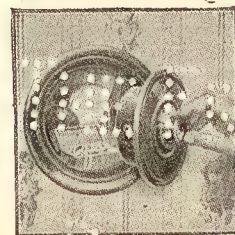
BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1866

**MEILINK
WALL SAFES**

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
2 S. 18th St., Philadelphia, Pa.



Apartment House (alts.), Wilmington, Del., \$7,000. Architect, Roscoe C. Tindall, -Equitable Building, Wilmington, Del. Owner's name withheld. Electric lighting, hardwood floors, tile work, metal lath, new plumbing and heating. Plans in progress.

Residence (alt. and add.), Wilmington, Del.,

\$12,000. Architects, Brown & Whiteside, du Pont Building, Wilmington, Del. Owner, R. H. Dunham, 1503 Franklin street, Wilmington, Del. Brick, 3 stories, shingle roof, vapor heating, electric lighting, hardwood floors, metal lath, tile work, waterproofing. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

C. W. Ferguson (O), Sixtieth and Baltimore avenue. Cost, \$8,500. Two dwellings and store, brick, 2 stories, 16x10 feet, 6017 Baltimore avenue.

Stella M. Stokes (O), 1663 Brill street. W. J. Stokes (O), 1663 Brill street. Cost, \$3,500. Two dwellings, brick, 2 stories, 15x35 feet, Erdrich and Dark Run lane.

Harry Brocklehurst (O), West Morris street. Cost, \$14,500. Five dwellings, brick, 16x47 feet, slag roof, 2410 to 18 Hunting Park avenue.

Lupowitz & Soloman (O), 429 Snyder avenue. Cost, \$40,000. Twenty dwellings, brick, 2 stories, 15x30 feet. Cost, \$36,100. Nineteen dwellings. Cost, \$7,600. Four dwellings. Cost, \$29,250. Thirteen dwellings. Cost, \$7,500. Three dwellings. Cost, \$34,200. Eighteen dwellings, Frankford avenue and Venango street.

John W. Snyder (O), 417 West Upsal street. Cost, \$34,000. Twenty dwellings, brick, 2 stories, 16x32 feet, Sydenham and Loudon streets.

Charles Roberts (O), 7717 Chelwynde avenue. Cost, \$1,200. Dwelling, brick, 2 stories, 15x34 feet, slag roof, 7717 Chelwynde avenue.

George W. Shissler (O), 2300 South Eleventh street. Cost, \$55,600. Fifty-five dwellings, brick, 2 stories, 16x37 feet, Sheridan and Shunk streets.

Zimmerman Bros. (O), 4312 North Fourth street. Cost, \$1,500. Dwelling, brick, 2 stories, 16x46 feet, Third and Wingohocking streets.

John H. McClatchy (O), Land Title Building. Cost, \$12,000. Three dwellings, stone, 3 stories, 24x37 feet, 5208 Overbrook avenue.

Alterations and Additions

Mrs. E. W. Kaist (O), Tenth and Diamond streets. F. Deitrich, Jr. (C), H and Potter streets. Cost, \$1,000. Store and dwelling, 17x50 feet, Eleventh and Diamond streets.

J. W. Parkes (O), 6120 Greene street, Germantown. William R. Dougherty (O), 1610 Sansom street. Cost, \$1,500. Store, alteration and addition, 249 North Broad street.

Philadelphia and Reading Railroad Co. (O), Twelfth and Market streets. Cost, \$16,000. Engine house, alteration and addition, slate roof, Ninth and Green streets.

J. J. McGrath (O), 2330 Croskey street. F. J. Dillon (C), 1223 South Twentieth street. Cost, \$430. Dwelling, brick, 2 stories, 20x15 feet, 2330 Croskey street.

E. E. Brown & Co. (O), McKean and Meadow streets. Cost, \$500. Office, concrete, 1 story, 15x18 feet, McKean and Meadow streets.

George Belmont (O), Commercial Trust Building. S. Bannett & Sons (C), Drexel Building. Cost, \$2,100. Dwellings, brick, alteration and addition, 2 stories, 1712-14 North Fifty-second street.

E. F. Houghton (O), Third and Somerset streets. Bucknell Bros. (C), 2246 North Fifth street. Cost, \$750. Tank, Third and Somerset streets.

J. A. Janney (O), 127 South Twenty-second street. John Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$485. Fire escapes, 127 South Twenty-second street.

Philadelphia Electric Co. (O), Tenth and Chestnut streets. A. E. Raff (C), 1635 Thompson street. Cost, \$1,500. Office, alteration, 3100 Kensington avenue.

Arrour Co. (O), 917 Noble street. A. Raymond Raff (C), 1635 Thompson street. Cost, \$700. Packing house, 917 Noble street.

Pauline Freidman (O), Seventh and Moyamensing avenue. D. Gelman (C), 924 Jack-

son street. Cost, \$1,500. Store and dwelling, Seventh and Moyamensing avenue.

R. Hamilton (O), Water and Reed streets. H. A. Streeton (C), 1511 North Sixtieth street. Cost, \$700. Office, brick, 1 story, 16x30 feet, Wolf and Meadow streets.

Seltzer & Wallace (O), 400 Chestnut street. Alex. Chambley (C), 243 South Tenth street. Cost, \$3,150. Dwelling, 1717 Pine street.

William Wright (O), 206 South Fifty-second street. Basch Co. (C), 1426 South Front street. Cost, \$1,450. Store and dwelling, 14x18 feet, brick, 1 story, 204 South Fifty-second street.

Union League (O), Broad and Sansom streets. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$800. Stand, Broad and Sansom streets.

F. T. Buckius, Jr. (O), 4510 Frankford avenue. Cost, \$1,400. Garage and office, 20x48 feet, brick, 1 story, Kensington avenue and Deal street.

Anna H. Thomas (O), 305 South Fifty-first street. B. F. Thomas (C), 305 South Fifty-first street. Cost, \$4,250. Garage, 71x108 feet, brick, 1 story, Fifty-first and Spruce streets.

M. Gordon (O), 1208 Columbia avenue. H. Slass (C), 1809 North Seventh street. Cost, \$3,025. Store and dwelling, brick, 1 story, 10x13 feet, slag roof, Twenty-first and Columbia avenue.

Ford & Kendig Co. (O), Twenty-fourth and Wood streets. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$5,500. Manufacturing building, Twenty-fourth and Wood streets.

J. D. Grover & Sons Co. (O), Somerset and Tulip streets. Cost, \$3,500. Factory, brick, 2 stories, 47x94 feet, Somerset and Tulip streets.

NEW BALTIMORE CONTRACTORS.

Corbin C. Cogswell, formerly connected with Morrow Bros., and George H. Koether, formerly with Wells Bros. Co., have incorporated under the name of Cogswell-Koether Co., and have opened offices at 406 Park avenue, Baltimore, Md., where they will conduct the business of building contractors.

The past wide and general experience of the members of the above company ensures to architects and owners speed and satisfaction in the execution of any contracts for building work which may be awarded them.

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

The One That Gets the Trade.

The constant dropping water wears away the hardest stone,

The constant chewing bulldog masticates the toughest bone,

The constant cooing lover takes away the blushing maid,

And the constant advertiser is the one that takes the trade.

We know lots of men who have made money without the aid of advertising, but—they haven't made it since 1876.

ARCHITECTURAL LEAGUE EXHIBITION

New York Exhibition Shows Notable Achievements of the Year in Architecture Modelling, Mural Decorations and Stained Glass

The annual exhibition of the Architectural League of New York opened on February 5 with the annual dinner in the Vanderbilt Gallery, where there were exhibited the principal achievements of our American artists during the last year.

The place of honor in the Vanderbilt Gallery is given to the beautiful representation by Tracy & Swartwout of their George Washington Memorial. This building will be the consummation of the often-expressed desire of the city of Washington for a national headquarters for the dissemination of knowledge. Accommodations for every State are provided and convention halls for the learned and scientific societies of the United States. The George Washington Memorial will be erected on the Mall.

Photographs of the Morgan Memorial, by La Farge & Morris, gives an excellent idea both of the dignity of the general design and the exquisite richness of detail found in this artistic monument, built by America's greatest art patron. In connection with this building by La Farge & Morris, it is interesting to note the details of the iron work by Samuel Yellin, which hang on the east wall of the middle gallery. These exquisite examples of craftsmanship from the building in Hartford seem almost unique in the history of American art, and show the possibilities of developing decorative features that are both unusual and expressive of the highest artistic culture. The Minneapolis Museum of Fine Arts, the Burke Relief Foundation at White Plains, N. Y., and the McKinley Birthplace Memorial by McKim, Mead & White, all show remarkable evidence of progress made by American architects as applied to our civic monuments and public buildings.

It is impossible to enumerate the other important buildings, of which the drawings and photographs in the exhibition of the Architectural League give such an excellent idea. Of unusual interest, from an educational point of view, is a group of buildings for Yale-in-China, which has been built by the architects, Murphy & Dana. The same architects are showing drawings of St. Paul's College, in Tokio, Japan.

The most important educational building in the city of New York represented in the league exhibition is the Regis High School, on East Eighty-fourth street, built by the Boston architects, Maginnis & Walsh.

Among the churches projected, by far the most important is the new church for the Parish of St. Vincent Ferrer, Lexington avenue and Sixty-fifth street, for which the plans have been prepared by Bertram Goodhue. The drawings of this building suggest the Church of St. Thomas, at Fifth avenue and Fifty-third street, but show novel features adapted to the monastic life of the Dominican Fathers, for whom the church of

St. Vincent Ferrer is to be built. The interior rendering is of peculiar interest, as this is the first important building designed by Mr. Goodhue since the firm of Cram, Goodhue & Ferguson was dissolved. It shows the personal touch of the individual architect.

Another interesting church is one designed by Grosvenor Atterbury for the Sage Foundation Homes of Forest Hills, Long Island.

Among hospitals in the city of New York are excellent examples of artistic talent applied to this character of building—the Brooklyn Hospital, by Lord, Hewlett & Tallast, and the Sea Side Hospital of New Dorp, Staten Island, designed by Edward P. Casey.

There are a great number of interesting drawings of homes by various architects of distinction, some notable because of the social prominence of their owners and others by their picturesque setting in hills and vales of suburban districts. From an architectural point of view, possibly the most interesting is a house for Gerald Redmond, New York, by McKim, Mead & White.

An interesting feature is an exhibit of ornamental architectural details of fayence, maiolica and terra cotta. These varied objects show the possibilities of color as applied to public and private buildings. In this arrangement of colored architectural details are novel flower boxes of terra cotta by Paul Manship, which stand in a place of honor.

The best mural paintings are sketches and studies by New York artists for the Pan-American Exposition. Among the artists represented are William de Leftwich Dodge, Frank Vincent du Mond, Edward Simmons and Robert Reid. All these artists have struck a gay and brilliant note of color, so appropriate to a festive event like the exposition in San Francisco. The subjects are part of the general scheme designed by Jules Guerin.

On the west wall at the South Gallery, the most striking note is a decorative screen by Robert E. Chanler, showing Life and Death as symbolic figures, with the outlines of the Acropolis at Athens, the Crucifixion of Christ and the Serene Contemplation of Buddha, outlined on a background of deep blue, representing the firmament. Covering this blue background is an ornamental outline, with the sign of the Zodiac in gold relief. In somewhat the same tone of color are sketches from the design by Tabor Sears for the Choristers Tryptich in Grace Church and also decorative panels of the Baptismal Font in St. Thomas' Church, by Thomas Watson Ball.

Filling the entire east end of the first gallery is a series of decorative panels on burnt and gilded wood, by J. William Fosdick. These panels are rich in gold and color, and depict scenes from the life of Jeanne d'Arc. Arthur Crisp shows designs for the Belasco Theatre and F. Hopkinson Smith numerous drawings of English cathedrals.

Among the other decorative artists represented are such men as Nicola D'Ascenzo, Alexander Locks, William Willett and Annie Lee Willett.

The exhibition is held at 215 West Fifty-seventh street until February 27, and is well worth a visit.

FAULTS OF ENGINEERS FROM THE CONTRACTOR'S VIEW-POINT.

Interesting observations bearing upon the relationship of the engineer to the contractor are contained in a paper presented recently before the Albany Society of Civil Engineers, by Mr. Richard W. Sherman, Chief Engineer of the New York State Conservation Commission. The following extracts from this paper are printed in a recent number of "Engineering and Contracting:"

"Contractors are largely influenced by their opinions of engineers. The engineer who has a reputation for ability, honesty, fairness and good disposition, will attract bidders for any work of which he has charge, and the desire to do work under him would be an incentive to reasonably low prices. On the contrary, if contractors consider an engineer incompetent, dishonest, an inebriate or of a cranky disposition, they will often avoid bidding on the work of which he has charge or add to their bids a sum which they hope will cover the excess cost of the work due to the unfavorable attributes in the make-up of the engineer. It is a feature of contracting to 'size up' the engineer with as much accuracy as possible, and many contractors become very expert thereat.

"In bidding for work, contractors are almost as sensitive as weather vanes. As a rule, they run quite a risk of loss if they bid too low; and the engineer is at least one of the most important features in the situation, as by reason of the characteristics of the engineer it may be possible to make a profit at a given bid under one engineer and impossible to avoid a loss under some other engineer with all conditions, aside from the engineer himself, precisely similar.

"Contractors who do not care for the contract often bid fairly high without any expectation of securing the contract, but merely to avoid a reputation among contractors of being low bidders and with the bare chance of getting the work at good prices. Excessively high bids are usually the result of lack of knowledge of the value of the work, lack of time to become familiar with it, and not infrequently from a variety of reasons by which the engineer has been 'sized up' so unfavorably by some contractors that they do not want the work under him, are prejudiced against him and the work and consequently unintentionally or otherwise bid too high. The treatment which bidders think they will receive from the engineer if they secure the work is an important feature of the bidding.

"If an engineer's preliminary estimate is believed to be too low it drives away bidders and tends to indifferent high bidding.

(Continued on page 113.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc

PERRY BUILDING, PHILADELPHIA

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., FEBRUARY 17, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlenberg
TreasurerWalter Mellor
Directors—Clarence C. Zantzinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

The world old question of the propriety of the signature is again being discussed among architects, the most recent advocate on the side of the right of the designer to identify his name with his work being Mr. Arnold W. Brunner.

In the final analysis, this signature question is wholly a matter of taste.

The architect who does a really notable and original bit of designing should be, and as a rule is, conceded the right to attach his name to it.

If Mr. Brunner wishes to be understood as taking the position of being in favor of the indiscriminate signing of everything the architect is called upon to do regardless alike whether of its merit or originality, then his position is an advanced one and one in which he can hardly expect to be supported by the rank and file of his profession.

The painter doesn't sign his pot-boilers, nor does the sculptor his preliminary studies.

If these go out into the world at all, they do so under the veil of anonymity or incognito, depending for their saleability upon such unpremeditated merit as may attach to work of the kind.

Mr. Brunner points out that under the most favorable conditions modern architecture is often but a series of compromises between the dream of the designer, the exigencies of utilitarian demands, and the taste or lack of taste of the owner. But—inasmuch as the architect does design, is an artist, why, if he is conscious of the merit in his work, should he be denied the right to sign it?

He shouldn't be.

Apart from certain ethical restrictions having their rise in a belief that the signature savors of advertising and should therefore be frowned upon by practitioners in good standing, there is, so far as we have been able to learn, little or no objection to the signature.

Quite a number of buildings here in Philadelphia carry the signature, although we are obliged to add that but few of these size up to the standard of merit which ought to be the warrant for this particular innovation.

So far as building owners are concerned, we have yet to hear of a case in which the owner has seen fit to object to the signature.

On the contrary, most owners seem to realize that where the designer happens to be an architect of reputation the signature adds measurably to the selling value of the property.

Mr. Brunner seems to be exercising himself unduly about a matter of very slender consequence.

His conjectures touching how many of the busy crowd in Wall street are familiar with the name of the designer of old Trinity or how many of the throng that are impressed by the beauty and majesty of the Capitol at Washington know who designed it, are be-

side the mark. How many would know in any event?

John McArthur designed the masterpiece of bad taste and polyglot architecture known as the Philadelphia City Hall and is honored by a bronze bust and several tablets throughout the building embodying this interesting statement of fact, and yet not only are thousands of normally well informed Philadelphians unable to name the designer, but thousands more would fail to identify his name with either the building in question or with the profession of architecture.

Europe, Mr. Brunner tells us, erects monuments not only to its statesmen, and generals, but to poets, painters, sculptors and architects.

Streets are named after them and their names are familiar and recognized by all.

Europe is also busy, just now, knocking down those monuments and demolishing those streets, so the law of averages seems on the whole to be holding good.

The great weakness of American architects—and Mr. Brunner nowhere refers to this fact,—lies in the policy of aloofness they practice with reference to affairs outside of the immediate zone of their professional interests.

When architects take the same healthy interest in general affairs that is taken by men of equal eminence in other professions, they will become as well known to the lay public.

Fear of publicity in the case of some of the architects has become an obsession.

It dominates everything they do, say or contemplate.

This attitude has become almost monastic.

It causes those possessed by it to shrink visibly every time the lightest suggestion is offered of anything resembling publicity.

How is one to make such men known to the great, practical, busy world outside the atelier?

It took a European war to make most people aware that Paul Cret was a great architect. A sensational shooting affair apprised the outside world of the genius of another famous designer. The World's Fair made the fame of Burnham just as the Panama Exposition is likely to make that of Carrere & Hastings, Louis C. Mullgarat, Bliss & Faville, Cahill and others.

In a way all this is—advertising. The moral is that the bugaboo of "ethics" can be and is pushed too far.

* * *

Mr. Leslie W. Miller, of the School of Industrial Art, has performed a real service in breaking in upon the babble of contentions of real estate speculators with a note of sanity touching the matter of Philadelphia's much discussed Convention Hall and Stadium.

"It is interesting and, on the whole, reassuring to see that, either singly or together, the twin problems of the convention hall

and the stadium," writes Professor Miller, "still bob up serenely from time to time, taking new forms, it is true, offered under new auspices and coupled with new suggestions regarding location, etc., but still the same old questions that were asked and answered long ago, returning like wandering ghosts to ask a constitutionally indifferent but fitfully interested public why, in the name of common sense, the answers that were found five years ago have not been accepted and acted upon before this.

"The whole matter of locating and building the stadium and the convention hall was studied conscientiously, ably and disinterestedly by a board of competent advisers appointed by the late Mayor Reyburn; every available site was carefully examined and a practically unanimous decision reached, the wisdom of which has, I think, never been seriously questioned by anyone whose judgment ought to count for much in this discussion. It contemplated the use of the very central, but undeveloped and practically unused, portion of Fairmount Park at Girard avenue and the Schuylkill, and included ample provision for every need of a recreational centre entirely worthy of a great city like Philadelphia. Both railroads cross the property at different levels and every possible advantage of location and transportation would be available. There is plenty of room, it already belongs to the city, and the Commissioners of Fairmount Park would be only too glad to see something made of it that would be worth while.

"The scheme thus formulated was worked out with most commendable professional thoroughness and presented in admirable form by that accomplished architect, John T. Windrim. His solution of the whole problem, very effective views of whose main features were published in the annual report of the Fairmount Park Art Association for the year 1910, provides a perfectly satisfactory answer to every question involved, and the city will grope in vain for replies that will be anything like as authoritative and final if it declines to accept these that have thus been given.

"It is quite probable that the history of the Fairmount Parkway will be repeated here, which means that after years of vain and profitless waste of breath—most of it spent in mere dog-in-the-manger obstruction—we shall see that Mayor Reyburn and his advisers were right, and that we have only the delay, and the losses that have attended it, to show for our stupidity. For my part, I am glad the ghost of the mistakes which we have made in this matter continue to vex us, and I hope it will do so until the matter itself is settled, and settled right."

* * *

It is amazing the ignorance of things architectural that exists among persons whose daily activities do not bring them within the zone of what might be termed the artistic impulse. True, architecture is much written about in the lay press, but—either the writer is an architect and unduly immersed in the purely technical side of his profession or he

is a layman without any preliminary training who utterly misses the professional point of view. It is disquieting, for example, to find so well-informed a newspaper as the New York "Sun," starting off an article on suburban homes after this fashion:

"There is a saying that fools rush in where architects fear to tread. The creator of the Pyramids was quite right when he made that observation to a meddling Pharaoh. Yet and nevertheless it is possible for an amateur to be his own architect and plan a satisfactory suburban home. It has been done a lot of times, and is being done right along."

Following this joyous beginning, the writer goes on to explain how the man who set out to be his own architect should proceed. No—we don't intend to quote it here. This is not a magazine of humor—conscious or otherwise.

The thought that occurs to us when we chance upon something like this is—if the man who sets out to be his own lawyer has a fool for a client, what species of idiot is the client of the chap who aspires to be his own architect?

* * *

Now that the smaller operative builders are getting busy again, there would seem to be no good reason why the big fellows should hesitate about going ahead with the bigger projects. When the operative element gets busy it's a good sign that money is becoming easier.

Big work can be done to immense advantage in the present lull, and the shrewd speculator is the man who is keen enough to make the most of this condition. Building will be back to normal long before June's roses blow, and the fellow who waits will pay a heavy penalty for his overdeveloped sense of caution. "Build Now!" is the popular slogan.

FAULTS OF ENGINEERS.

(Continued from page 111.)

Some over-anxious contractors may be influenced thereby to bid too low. They may secure the work, in which event the engineer has an unpleasant task during construction. There is almost sure to be a disposition on the part of the contractor to save himself from loss, and he is thus tempted to slight or cheat in the quality of the work which the engineer tries to prevent (as he should). The engineer, no matter how fair and just he may be to the contractor, will usually end with a feeling of enmity toward him. Both contractor and engineer are in some degree injured by the work having been done at less than cost. It is detrimental to an engineer to make a practice of making his preliminary estimates higher than the prices at which it is later found the work can be let to reliable parties. On the other hand, great annoyance and trouble and, in most cases, detrimental features which in one way and another causes loss to the owner and detriment to the reputation of the engineer result from making preliminary estimates too low.

"In the matter of monthly and final estimates, contractors, particularly those ignorant of engineering, are very prone to suspect that engineers have under-estimated or cheated them. There never has been any good reason why contractors should not check up measurements and quantities even if it is necessary to employ contractors' engineers to do so. In large contracts this has been the custom for some years and is becoming more so. Many more engineers than formerly are engaged in contracting and this feature adds to the practice of contractors measuring and checking up estimates. It is to be hoped that this practice will become general.

"Great injustice has been done engineers, as many intelligent contractors know, by the perpetual suspicion that the engineer is under of having cheated contractors. There is seldom a motive other than spite for an engineer to cheat a contractor, and the spite cases I believe to be very rare. In small works, for instance, such as village water-works and sewers, some engineers may be tempted to under-estimate in order to keep the cost of the work down to the preliminary estimate or appropriations. I trust there are not many such, but I fear there are some.

"An indolent, indifferent engineer and also a procrastinator, are torments to contractors and a cause of considerable unnecessary cost in executing the work."

"I like 'The Guide,'" writes an old subscriber, "because it devotes space to the builder and the material man as well as the architect. Most of the so-called architectural journals are made up of fine writing and pretty pictures, with more pictures than anything else." Yes, and after the pictures have been culled out, the little that remains finds its way into the scrap basket unread. Don't take our word for this, Mr. Advertiser. Just investigate.

One way to escape the income tax is to quit advertising and do less business.

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



Going to make some New Year resolutions? Let us suggest one that is worth the making. Resolve to advertise. Advertising is as necessary these days as food. Make up your mind to take a space in your trade paper. Resolve to fill that space with good, sound, sensible little selling talks. Go at it with the idea that it's bound to pay if it's done right, and make up your mind to do it right. Here's a New Year resolution that will pay dividends in real money. Try it.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full-page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

The "Builders' Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.

If a man can make a better quality of brick than his competitors can, it is up to him to let the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

THE ANTIQUITY OF BRICK

Brick, the venerable and reliable building material—unmistakably the oldest thing made by civilized man, as far as records determine—gives evidence of architecture on earth. It was the earliest substantial building material, and is the latest. Six thousand years of history which embrace the entire known period of human civilization deal with brick. The earliest sunrise of enlightenment on the far-away plains of Babylonia, in the remotest time of which we have no man-made record, revealed towers and walls of burnt brick. To-day men are still building of the same material, and they expect their structures to stand as long as some of those in the Eastern countries stood.

Statistics are generally considered pretty dry, but the simple statement that 25,000,000,000 bricks are made annually in the United States can be appreciated and remembered. The full meaning of this enormous number is brought home when it is considered that it is but a single factor is a vast accumulation; that it is added to what we already had; that it increases by that much the country's wealth of brick, for few are destroyed, and every year adds 25,000,000,000 more. That is enough to lay a five-foot sidewalk eight times around the world. The enormous output is not ahead of demand, and this ought to be proof that the brick that came sixty centuries ago, came to stay.

It is worthy of thought that the first important building material invented by man was the most durable thing he ever invented. Some minor improvements may have been made since, but in the main essentials the bricks in the Tower of Babel were as good as those of to-day. Man reached the limit of possibilities in brick-making—at least in durable qualities—earlier than any history records. He did the same with the bow and arrow, for there was absolutely no improvement in the bow, as far as known, from the days when the archer "drew a bow at a venture" and pierced the armor of Ahab, at Ramoth-Gilead, down to the battle of Crecy. Five thousand years after the bow reached perfection it was laid aside for something better; but not so with brick.

It is a matter of interest, though purely an academic question, how men learned to burn brick. It was probably learned accidentally and experimentally. A brick is no more and no less than an artificial stone, in the making of which great heat has played a part. It is a common thing in nature, and doubtless the early brick makers took hints from lava flows. Some lavas are so much like some kinds of brick that a broken piece of one could scarcely be distinguished from a fragment of the other. For instance, the buff-colored feldspathic lava from Mt. Shasta, in California, looks, when freshly broken, like a piece of buff brick; while the hard, metallic, basaltic lava, so common in some parts of New Mexico, is the picture of the hard, vitri-

fied brick with glassy surfaces. There can be little question, though direct proof is not at hand, that the Babylonian brick-makers who worked wonders in Sargon's kilns at Akkad, 3,800 years B. C., were putting into practice lessons learned in the volcanic regions of the Northern plateaus.

Be that as it may, all historical and archaeological evidence points to the valley of the Euphrates River as the region in which the art of brick making was developed and it had reached practical perfection nearly or quite 6,000 years ago, as is evidenced by the remains buried in mounds of that cradle of civilization. This refers to burned brick, not to sundried cakes of mud. No one knows when these were first made, and the question is of little practical importance, though it might be interesting. Bricks dried by the sun and left unburnt are of little importance in this country. Doubtless such were made long before the art of burning bricks was discovered.

When modern excavators began to dig into the vast mound which is believed to mark the site of the Tower of Babel, they soon came to layers and heaps of bricks which had passed through heat so great as to vitrify the surface. Theologians were the first to suggest a cause for it. They saw in the hard, glassy bricks many pieces of evidence to substantiate the Biblical story of the confusion of language and the destruction of divine wrath of the monument erected by sinful man to escape another flood. It was pointed out by Biblical scholars that the glassy surfaces of the bricks must have been due to repeated and terrific strokes of lightning—therefore, the Tower of Babel must have been destroyed by lightning as a punishment for wickedness and a warning to ambitious man not to attempt to reach forbidden heights.

Scientists took the same facts and placed quite a different interpretation on them. Instead of a bombardment of lightning sufficiently fierce to half melt the surfaces of the bricks—a thing absolutely impossible under the laws and phenomena of nature—a reasonable and simple explanation was found. The vitrified bricks had been regularly and properly burned in kilns before they were built into the massive foundations of the Tower of Babel. The builders knew enough of masonry and architecture to understand that the best and strongest material must go in the foundation in order to support the great weight above, and there was where they placed the best-burned bricks, and there is where excavators find them after thousands of years. The tower was said to have been 600 feet high, but that figure is doubtful. There is no doubt, however, that the hard bricks excavated were capable of sustaining the enormous weight of such a superstructure.

That is going back a long time, but the information is worth the journey. It throws

light on a good many phases of life on economic conditions in that remote period. Modern man is prone to consider himself everything and the ancient man as a barbarian dressed in goatskins, fighting with sharp sticks for spears, living in tents, and subsisting on his flocks, or the chase, with a little assistance from crude agriculture. Excavations of the Chaldean mounds show a different state of affairs. The ability to burn bricks capable of standing the elements 5,000 or 6,000 years is proof of a civilization of high order; because the presence of skilled brick makers implied the presence of competent mechanics of other kinds—architects, smiths, lumbermen, irrigationists and merchants to carry on the trade of an empire. No great industry stands alone. It cannot do it. Unfortunately, time, war and decay have blotted out almost everything pertaining to that ancient civilization—except the most indestructible part of it, the brick. In later times Kings stamped their names and engraved their laws on bricks, but the most ancient are plain. Yet those most ancient blocks of burnt clay tell a story filled with human interest.

Take, for example, the matter of burning the millions of bricks which the Babylonians used. Where did the wood come from for firing the kilns? It is a forestless region now with only a few ragged fringes of brush along the nearly dry, meandering water courses; and there is reason to believe that it was practically in the same condition 27 centuries ago, when the only mention of trees was a fringe of willows along the rivers where the captive Hebrews hung their harps on the willows by the rivers of Babylon and wept. Our "weeping willow" came from there. But 2,000 years before that time the brick kilns were filling the Euphrates valley with their smoke, and doubtless wood was then plentiful.

When Nebuchadnezzar, as it is recorded of him, looked about him and exclaimed with exultation and pride, "Is not this great Babylon which I have builded?" he was looking upon a vast brick-built city. He was himself one of the world's greatest brick makers. It was doubtless necessary even in the comparatively early time in which he lived to raft wood down the Euphrates and Tigris Rivers from the highlands of Ararat and the Anti-Taurus Mountains to supply his brick burners; but the wood was forthcoming and the brick kilns turned out their products by millions. Nebuchadnezzar was not only a mighty brick-maker, but he was also one of the most elaborate advertisers the world has seen. His name was stamped on every brick that came from his kilns.

"Nebuchadnezzar's furnace" has become a proverb. It is a term used to convey the idea of intense heat. The specific use to which he put it on one occasion made it famous; for there he ordered the three rebellious Hebrews, Meshach, Shadrach, and Abednego, to be burned alive, according to the Biblical narrative. As a preparation for the proposed

cremation he ordered the furnace to be heated "seven times hotter."

What was Nebuchadnezzar doing with a furnace? This is a fair, practical question. It does not appear that he maintained a furnace for the special purpose of burning unfortunate prisoners; on the contrary, the reading of the narrative shows that he acted on the impulse of the moment when he ordered the prisoners burned, and not deliberately (though tricked into it) as when he ordered Daniel thrown into the lions' den. The plain facts probably were—as far as the narrative is a statement of facts—that the famous furnace was simply a brick kiln. That, at least, is a reasonable interpretation of it. Doubtless the brickyards were in the suburbs of the city, and the great interest which the King took in brickmaking would cause him to think of a burning kiln the first thing when he wanted to inflict prompt and terrible punishment.

How hot were Nebuchadnezzar's brick kilns? That is not a foolish question or one wholly incapable of being answered, though it might seem so at first thought. There were, of course, no thermometers then for measuring temperature, but the condition of the bricks themselves is a record of the fierceness of the fire through which they passed. Heat produced the same effect on clay then as it does now; and comparing some of the hardest burned of Nebuchadnezzar's bricks with the product of modern kilns where the degree of heat is known, it is found that some of his kilns were heated from 1,800 to 2,200 degrees Fahr. It is difficult to attain much greater heat than that when wood is the fuel, and it is evident that his brickmakers understood how to build kilns which developed the largest amount of heat from the fuel in use.

It has not been necessary to burn brick on a large scale in the Euphrates and Tigris valleys during the past 2,000 years. In the first place, there has been little fuel available for that purpose; in the second place, the region has sunk so low in civilization and has been so greatly devastated by wars that the inhabitants have been discouraged from erecting large buildings. But those who have put up houses have simply dug the necessary bricks out of mounds which mark the sites where ancient cities stood. This has been going on for 2,000 years and plenty remains. The bricks now in the walls of a poor Arab's hut were once part of a palace. Time, war, flood and fire have leveled the ancient edifices, but the bricks remain, and many of them are as serviceable to-day as they were when first laid up in masonry a thousand years before Abraham crossed the Euphrates on his journey westward to the land of Canaan.—"Rock Products."

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

SUGGESTIONS FOR LAYING TERRA COTTA.

Kind of Mixture to Be Used—Pointing the Joints—Weight and Crushing Strength.

Terra cotta should always be set in either natural cement or Portland cement, mixed with sand, and in about the same way as stone is set. As soon as set, the outside of the joints should be raked out to a depth of three-quarters of an inch to allow for pointing and to prevent chipping. The terra cotta should be built up in advance of the backing, one course at a time, and all voids, except those projecting beyond the face of the wall, should be filled with grout or mortar, into which bricks should be forced to make the work as solid as possible. All blocks not solidly built into the walls should be anchored with galvanized iron clamps, the same as for stone work, says H. L. Fitzsimmons in an exchange, and, as a rule, all projecting members over 6 inches in height should be anchored in this way. After the wall are up, the joints should be pointed with Portland cement colored with a mineral pigment to correspond with the color of the terra cotta. The pointing is done in the same way as in stonework, except that the horizontal joints in all sills and washes of belt courses and cornices, unless covered with a roll should be raked out about two inches deep, calked with oakum for about 1 inch, and then filled with an elastic cement.

The weight of terra cotta in solid blocks averages 122 pounds per cubic foot. When made in hollow blocks, 1½ inches thick, the weight varies from 65 to 85 pounds per cubic foot, the smaller pieces weighing the most. For pieces 12 by 18 inches or larger on the face, 70 pounds per cubic foot should be a fair average. The crushing strength of terra cotta blocks in 2 inch tubes varies from 5,000 to 7,000 pounds per square inch. Hollow blocks of terra cotta, one foot high, unfilled, have sustained 186 tons per square foot. From these and other tests I would place the safe working strength of terra cotta blocks in the wall at five tons per square foot when unfilled, and at ten tons per square foot when filled solid with brickwork or concrete. If it is desired to test the strength of special pieces, two or three small pieces should be broken from the blocks and ground to 1 inch cubes, and then tested in a machine. Should the average results fall much below 6,000 pounds, the material should be rejected.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

CLEVELAND'S BUILDING SITUATION

What President G. A. Rutherford Had to Say at the Annual Meeting of The Builders' Exchange

After briefly referring to the work of the organization as outlined in the report of the Board of Directors, President G. A. Rutherford, of the Cleveland Builders' Exchange, at its annual meeting in November, spoke as follows of the relationship existing between architects and builders:

"Considerable progress has been made during the past year in arriving at an understanding with the architects relative to matters which have long been causes of dispute and misunderstanding. About two years ago a joint committee with the Cleveland Chapter American Institute of Architects was appointed to consider the subject of improved plans and specifications. Before this committee began its work there came a request from the City Building Department for such a committee to assist in revising the City Building Code. As this work was regarded as of the greatest importance the committee immediately entered upon it and has been steadily engaged holding weekly sessions. In the meantime a national movement for establishing uniform conditions has been in progress, working from two directions, one of which centers in Boston and the other being fostered by the National Association of Builders' Exchanges with headquarters in Baltimore. A report on this subject issued by the American Institute of Architects has been made the basis of negotiations and recently a conference of representatives of the last two named organizations was held in Philadelphia, at which an agreement was reached on nearly all points of difference. The Cleveland Chapter, through the chairman of the committee on this subject, requested our exchange to review the document issued by the national body of architects, but owing to the larger attention being given it the directors decided to await the results thus to be obtained before acting independently.

Harmony Between Architects and Builders.

"It now seems that harmonious conclusions are about to be reached, which conclusions will be reported to the National Convention of Builders' Exchanges to be held in Columbus in January. It is vitally important that our exchange be well represented at this convention. It is planned to hold the meetings of the Ohio State Association of Builders' Exchanges in the Capital City the day preceding the opening of the national gathering so that Ohio will surely have a good voice in the proceedings.

"One of the objects in view is to adopt a set of general conditions for specifications, fair alike to the owner, architect and contractor. Once these conditions are approved by the national bodies they become official and every effort will be made to put them in

general use throughout the country so that in every set of specifications these main points will be the same. When once studied and understood they will be always understood, which certainly will be a blessing to the contractor and estimator. In this connection I would also like to mention a special subject which is being considered by a committee representing the exchange and the local chapter, namely, the practice of charging for the use of plans and specifications in figuring work. Numerous complaints have been made on this score, and it would seem that some agreement worthy of general recognition should be made.

State Building Code.

"It is altogether probable that an effort will be made at the next session of the legislature, to enact the proposed State Building Code, completing the legislation started two sessions ago. Heretofore, Cleveland has had the support of Cincinnati and several other cities in advocating that cities having a population of 50,000 or more and having their own building regulations should be exempt from the application of the State code. Several of these cities, however, have recently indicated a change of sentiment on this score, and it may be found a difficult matter to carry out this proposition. Our argument has been that conditions in regard to building are different in different cities, and that cities are certainly not amenable to the same regulations as country districts. We also have felt that our city code, under direct supervision of local bodies, will meet our requirements better than a code adopted at Columbus and enforced by State authority from there.

Outlook for the New Year.

"Statistics from the office of the Commissioner of Buildings go to show that the building industry of Cleveland is experiencing a successful year. The record for the first ten months exceeds that for 1913, and November thus far is ahead of the same period for last year. This encourages me to believe that people recognize the fact that this is a good time to build. Certainly there is no wisdom in postponing projects when conditions are as favorable as they are at present. Should the foreign situation clear up in the near future, there will surely be a rush in all lines of activity, and many who have hesitated will surely regret that they did not take advantage of present opportunities. Normally the months of November and December are quiet in the matter of figuring new work, and it would be strange if there were not a similar situation now. There are many close observers of conditions who believe that 1915 will find the usual prospect of a busy year.

This is based upon returning confidence in general business and the demand for new structures to keep pace with the growth of the city."

**H. B. McMASTER, COMMISSIONER for the Associated Metal Lath Manufacturers, who has been directing co-operative work of the metal lath industry since 1910, has resigned his position to become manager of branches for the Berger Manufacturing Company, Canton, Ohio. Mr. McMaster went to Youngstown at the time of the organization of the General Fireproofing Company, of which he was secretary when he resigned in 1908 to become manager of sales for the Rod and Wire Department of the Youngstown Sheet and Tube Company. He left that concern in 1910, and aside from his work with the Metal Lath Association was manager of the Ward Nail Company, in the reorganization of which he took part, and during 1914 had charge of the Bureau of Development organized by the Association of Sheet and Tin Plate Manufacturers. Mr. McMaster's connection with the Berger Manufacturing Company began on the 1st of February.

The American Sheet and Tin Plate Company, Frick Building, Pittsburgh, Pa., publish an interesting booklet on the effect of copper in steel for roofing tin. From their numerous experiments extending over several years, they believe that a certain amount of copper in the steel will add greatly to the life of the metal. The results of their experiments are given, as well as a great deal of valuable information on how to construct a tin roof, roof painting, standard specifications for tin roofing, weights of the various sizes of sheets, etc. Not the least valuable information is a table showing the cost of tin for flat seam as well as for standing seam roofing. The booklet will be sent to our readers on request, and it should prove of interest and value to them.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son,
11th and Ontario sts., Phila.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Flag Poles (wood and steel).

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co.,
Fidelity Bldg., Phila.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Floori-g & Mfg. Co., 9 S. 18th st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.
Preservatives (Wood and Concrete).
F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

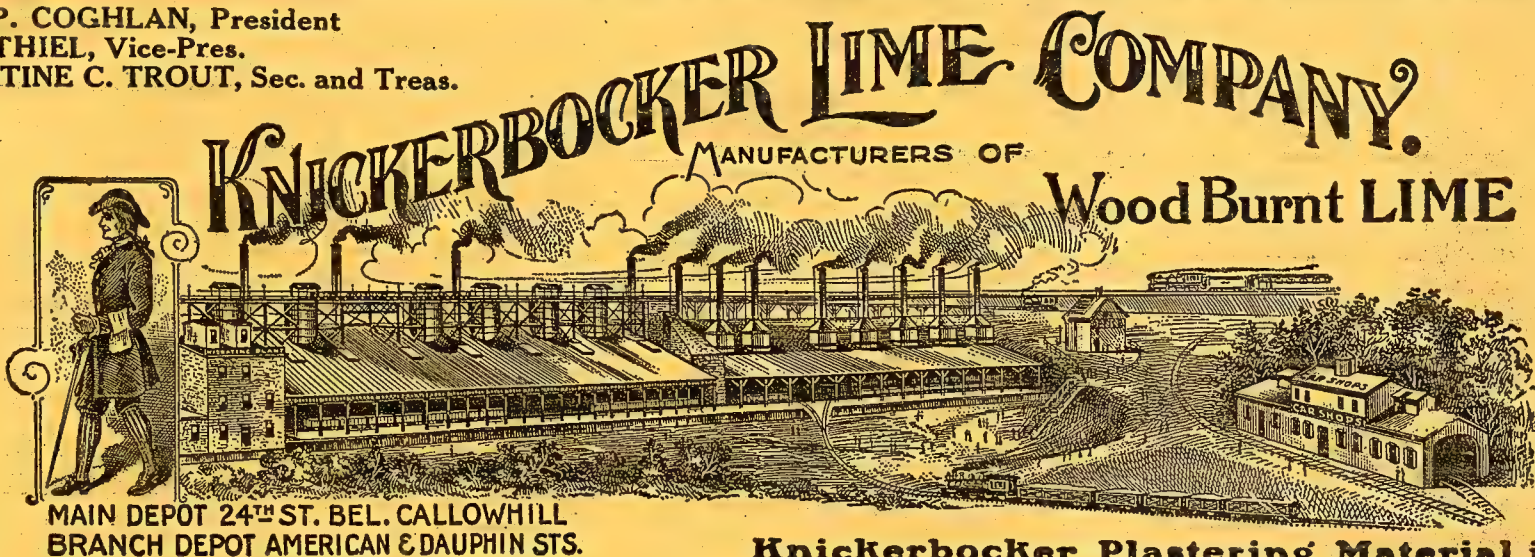
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF
**Builders' and Ornamental
IRON WORK**
Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.



THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

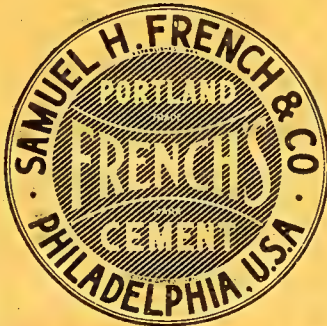
Vol. XXX., No. 8.

PHILADELPHIA, WEDNESDAY, FEBRUARY 24, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

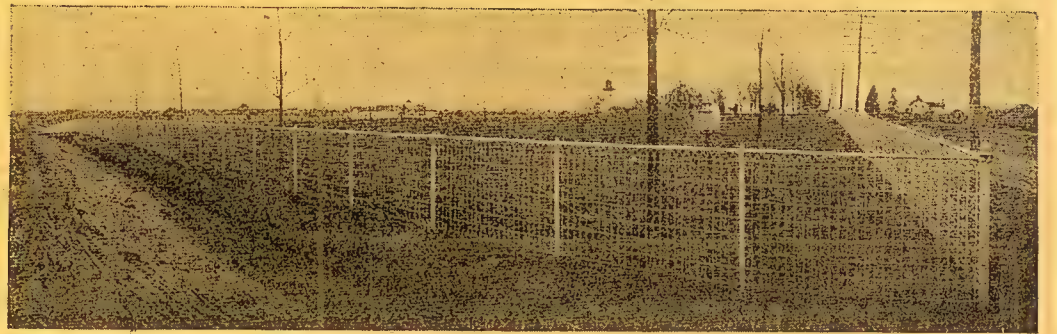
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

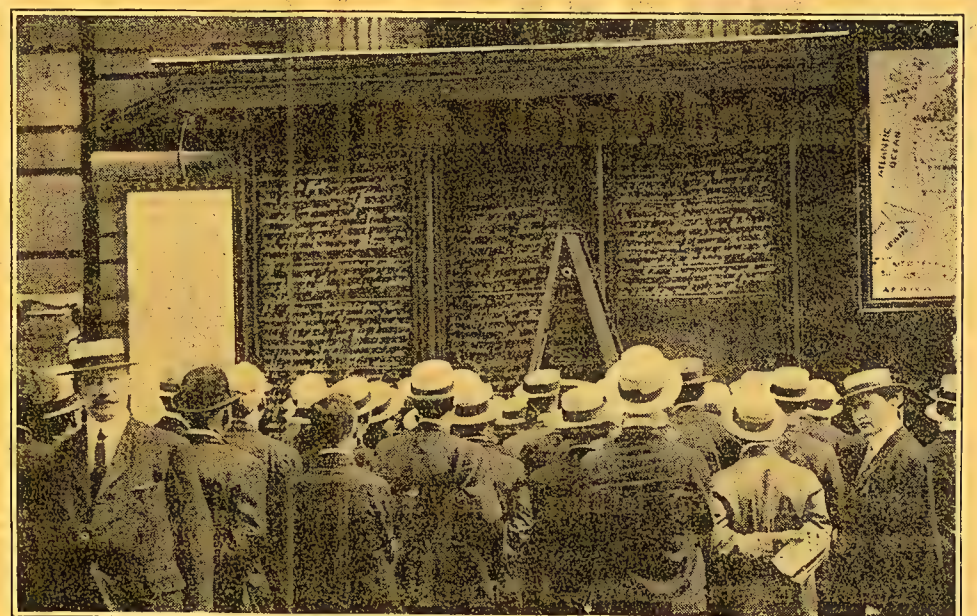
Correspondence Solicited.

Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

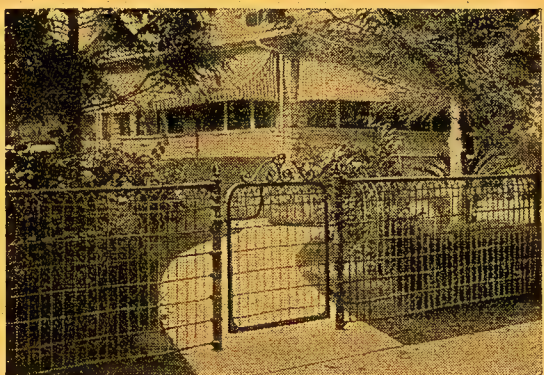
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



DESIGNS

DETAILS

CHAS. H. KOHN & CO.

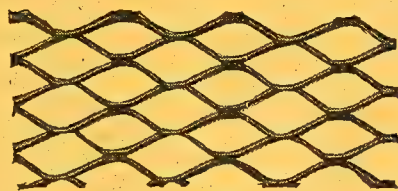
Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO"

Expanded Metal Lath



"Bilco" Diamond Mesh

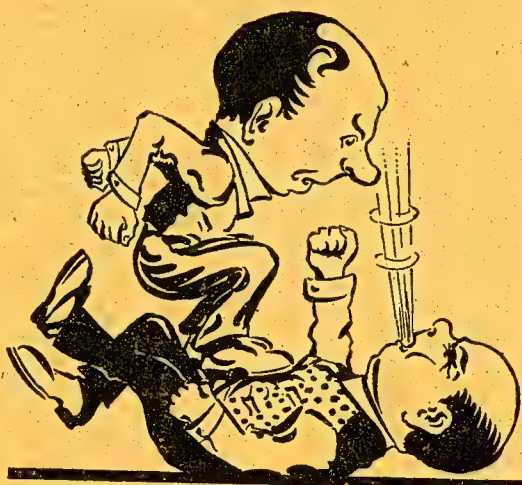
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges
Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

 SAUMS
PRESERVATIVE
SAVED THESE FLOORS



LORD & TAYLOR BUILDING, N. Y. CITY

On account of Dusting and Disintegration the owners were about to place a contract to tear up all the concrete floors and lay new ones. SAUMS PRESERVATIVE was investigated and we were awarded contract to treat all floors.

SEVEN repeat orders from this company, for their other building, give evidence of the merits of SAUMS PROCESS.

We Guarantee to prevent Dusting and Disintegration on New Floors and if this condition has started in old floors, we will stop it.

SAUMS, the Only Permanent Way

THE SAGENDORPH COMPANY, Inc.
131-133 SOUTH 24th STREET : : PHILADELPHIA, PA.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
 Roofing and Floor Tile
 Sewer Pipe and Flue Linings
 and Slaters' Tools

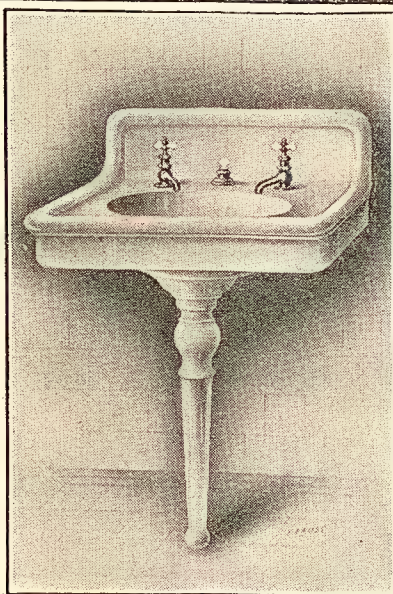


Plate 107 D
 18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
 jobber of Plumbers Supplies
 in the United States.

Write for special *Cata-
 logue D.*

Specify "CAPOCO" Ware for your
 Bath Rooms on particular work

CAMDEN POTTERY CO.
 Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



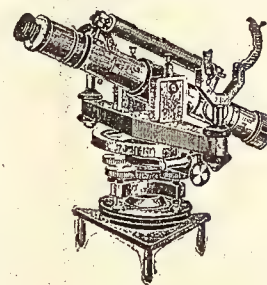
The only Expanded Metal Lath in Rolls
 Patented February 17th, 1914

The advantages of Scammell
 Expanded Metal Lath are
 greater strength, increased
 durability, smaller mesh, ap-
 plied parallel with the furring,
 no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
 Furring and Lathing
 Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
 tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
 shade and cap. Clamp and tangent to vertical axis,
 horizontal circle to degrees,
 by vernier to 5 minutes.

Other transits from \$15
 to \$115.

Serviceable.

Durable. Will hold adjustments

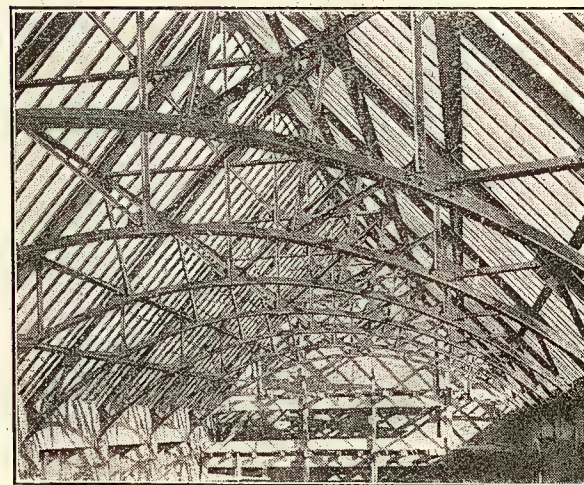


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



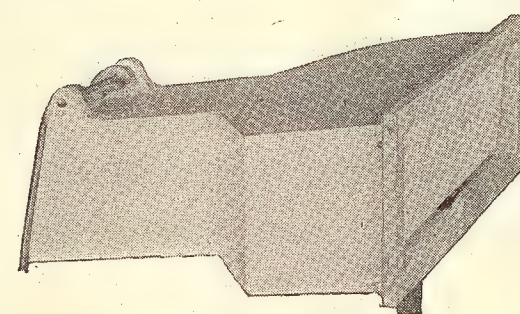
W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

Structural Steel
 Steel Towers
 Ornamental Iron
 Work
 Concrete Designs

WIND SHIELD Underwriters Scuppers in
 warehouses, factories, lofts and mercantile buildings will reduce
 Insurance Premiums on merchandise, machinery, etc.



(Patented)

WIND SHIELD Scupper
 has a shield to prevent
 drafts from entering the
 building.

Specified by leading archi-
 tects and engineers
 throughout the United
 States.

Write for catalog and copy
 of letter from Insurance
 Rating Office.

Bell Phone:
 Spruce, 24-43

BUILDERS IRON WORK CO.
 217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
 Race, 26-69

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 8.

PHILADELPHIA, WEDNESDAY, FEBRUARY 24, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hospital (alts.), Fifteenth street, above Race street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Hahnemann Hospital, on premises. Consists of new fire tower and sun parlors. Architect has received revised bids.

Residence (alt. and add.), Lincoln Drive and McCallum street, Philadelphia. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, C. C. Patterson, on premises. Stone, 2½ stories, slate roof, hot water heating, gas and electric lighting, hardwood floors, tile work. Plans in progress.

Fire House, Byberry, Philadelphia, \$28,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owners, City of Philadelphia, care of George D. Porter, City Hall, Philadelphia. Stone and brick, 1 story, 56x60 feet, tin and slag roof, iron stairs, metal lath, metal ceilings, composition floors, metal lockers, weather strips (steam heating, electric lighting and plumbing separate bids). Lowest bid submitted by Henry L. Brown, 1714 Sansom street, \$19,870.

Residences (2), Thorp's lane, Chestnut Hill, Philadelphia. Architect, private plans. Owner, John Hamilton, 186 Willow Grove avenue, Chestnut Hill. Brick, 2½ stories, 16x25 feet, slate roof, gas lighting. Owner has received bids.

Factory (alt. and add.), 1003 Wood street, Philadelphia, \$4,000. Architect, private plans. Owner, Charles M. Lam, 1001 Wood street, Philadelphia. Brick, 3 stories, 16x60 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residences (50), West Philadelphia. Architect, J. I. Carmichael, 1520 Fairmount avenue, Philadelphia. Owner, Thomas Marshall, Sixty-second and Spruce streets, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, electric lighting, steam heating, hardwood floors. Plans in progress. Owner will take sub-bids.

Residences (27), Sixty-first and Yocum streets, Philadelphia. Architect, J. I. Carmichael, 1520 Fairmount avenue, Philadelphia. Owner, Frank T. Hoppe, 26 South Fifteenth street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, electric lighting, hot water

heating, hardwood floors. Owners taking sub-bids.

Apartment House, Falls of Schuylkill, Pa. Architect, F. N. Greisler, Drexel Building, Philadelphia. Owner's name withheld. Brick, 2 stories, 41x75 feet, slag roof, electric lighting, steam heating, hardwood floors, metal lath. Plans in progress.

Storage Warehouse, 5220 to 5224 Filbert street, Philadelphia. Architect, W. Garrett Rodgers, 6216 Jefferson street, Philadelphia. Owners, Morrison Storage and Van Co., 36 North Fifty-second street, Philadelphia. Brick, 3 stories, 50x64 feet, slag roof. Builder, E. E. Hollenback, Fifteenth and Race streets, Philadelphia, taking sub-bids.

Residence, Oak Lane, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, J. Harris Tyre, 6716 North Eighth street, Philadelphia. Hollow tile and plaster, 2½ stories, 24x34 feet, shingle roof, vapor vacuum heating, electric lighting, hardwood floors. Architect taking bids, due February 27th. The following are figuring: W. J. Stevens, Wyncote, Pa.; Mitchell Bros., 2125 Race street; W. J. Gruhler, 219 East High street; A. Raymond Raff, 1635 Thompson street, all of Philadelphia.

Saloon (alt. and add.), Fifteenth and Ransstead streets, Philadelphia. Architect, Richard C. Loos, 1017 Chestnut street, Philadelphia. Owner, Robert Steele, 1508 Chestnut street, Philadelphia. Consists of interior alteration and addition, electric lighting, tile work, metal lath. Architect has received bids.

Residences (8), Chestnut Hill, Philadelphia. Architect, Paul L. Boyd, 211 East Willow Grove avenue, Philadelphia. Owner, George A. Boyd, 211 East Willow Grove avenue. Brick and plaster, 2 stories, slag roof, hot water heating, electric lighting, hardwood floors. Owner taking sub-bids.

Residences (200), Fifth and Cayuga streets, Philadelphia. Architect, private plans. Owner, Jacob Feldman, 1017 Jackson street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, electric lighting, hot water heating, hardwood floors. Plans in progress. Owner will take sub-bids.

Storage Building (alt.), 33 North Water street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Consists of interior alteration and repairs, new floors and windows. Architect has received bids.

Store and Dwelling (alt. and add.), 1020 Pine street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Weloderker Building and Loan Association, care of Sol. Barenbaum, 2416 North Thirty-second street, Philadelphia. Brick, 3 stories, 20x75 feet, slag roof, electric lighting, steam heating. Owners taking bids, due February 25th. The following are figuring: M. J. Benamy, 3042 York street; J. Gorchov, 317 Reed street; Smith-Hardican Co., 1606 Cherry street; B. Cohen, 5021 Walnut street; N. Lipman, 2332 South Tenth street; Harry Miller, 427 Catherine street; A. Whitehead, Inc., 1624 Latimer street; F. B. Davis, 240 North Sixteenth street; George L. Sipps, 912 Locust street; Freund-Seidenbach Co., Bulletin Building, all of Philadelphia.

Residence, St. Martins, Philadelphia. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Mrs. Phoebe J. Clemens, Moreland and Crefelt streets, Germantown. Stone, 2½ stories, 28x46 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Architects taking bids, due February 26th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; A. L. Fretz & Sons, 1222 Chancellor street; J. Sims Wilson, 1125 Brown street; William J. Gruhler Co., 219 East High street; Elfret & Wood, 1708 Sansom street; Fred Elvidge & Son, 5522 Germantown avenue; Specht & Sperry, Heed Building; Eugene Tourison, 1001 Chestnut street; I. A. Dunkelberger, 71 East Herman street, all of Philadelphia.

Factory, Eighteenth and Cambria streets, Philadelphia. Architect, private plans. Owners, Linde Air Products Co., Forty-second Street Building, New York City. Brick and concrete, 1 story, 179x140 feet, slag roof (steam heating and lighting reserved). Owners taking bids, due February 25th. W. W.

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

Made on

TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



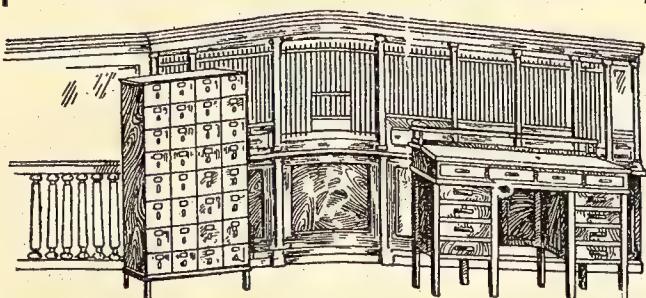
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before
you buy your Office Partitions, Cabinet
Work, Store Fixtures, Bank and Office
Fixtures, or anything in interior wood
work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.

450-52 N. 12th Street
Philadelphia, Pa.

Lindsay, Harrison Building; Charles Gilpin, Harrison Building; Joseph Bird Co., 213 North Eleventh street, Philadelphia; H. D. Best Co., 320 Fifth avenue, New York City, and Fred Kilgus, Inc., Newark, N. J., are figuring.

Convent and School, Seventeenth and Stiles streets, Philadelphia. Architect, private plans. Owners, Church of the Gesu, care of Rev. J. C. Davey, on premises. Brick and stone, 3 stories, 35x100 feet, wing 30x35 feet, slag roof or slate roof, electric lighting, steam heating, metal lath. Builder, Thomas Reilly, 1616 Thompson street, Philadelphia, taking sub-bids.

Garage (add.), 427 Queen lane, Germaantown. Architect, William B. F. Koelle, 435 Brighthurst street, Philadelphia. Brick, 1 story, 25x96 feet, slag roof. Architect has received bids.

Parish House, Forty-second and Woodland avenue, Philadelphia. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, St. Monica's Episcopal Church (Colored), care of architect. Brick and stone, 1 story, 65x142 feet, slate roof, electric lighting, steam heating. Architects taking sub-bids on all lines.

Residence (alt. and add.), 615 Pine street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Dr. Morris A. Weinstein, 638 Pine street, Philadelphia. Brick, 3 stories, slag roof, metal lath, tile work (heating and plumbing, electric work and oak floors reserved). Architects taking bids, due February 24th.

The following are figuring: Smith-Hardican Co., 1606 Cherry street; Stacy Reeves & Sons, 2011 Market street; A. Whitehead, Inc., 1624 Latimer street; Lam Building Co., 1001 Wood street; A. Barsky, 636 Pine street; M. Stevens, Fox Chase, Pa.; J. Rose & Sons, 5121 Brown street, all of Philadelphia.

Garage (add.), 159 Springfield street, Chestnut Hill, Philadelphia. Architect, private plans. Owner, P. J. Conway, on premises. Brick, 1 story, 60x100 feet, slag roof, electric lighting, steam or vapor vacuum heating. Owner taking bids, due February 27th. I. A. Dunkelberger, 71 East Herman street, is figuring.

Garage, 5423 Walnut street, Philadelphia, \$2,000. Architect, private plans. Owner, J. Minahan, 5423 Walnut street, Philadelphia. Brick, 1 story, 36x70 feet, slag roof, electric lighting. Owner taking sub-bids.

Store and Residence, Twentieth and Tioga streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, J. A. Seffers, 2002 Tioga street, Philadelphia. Brick, 3 stories, 60x100 feet, slag roof, steam heating, electric lighting. Architects taking bids, due March 1st. The following are figuring: F. E. Wallace, 1210 Sansom street; Lam Building Co., 1001 Wood street; George Hogg, 1634 Sansom street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; William R. Dougherty, 1610 Sansom street; Thomas Little & Sons, 1713 Moravian street; J. Frank Reese, 3713 North Darien street, all of Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Shop, 439 Titan street, Philadelphia, \$1,600. Architect, private plans. Owners, F. Nardy Bros., 1228 Fitzwater street, Philadelphia. Brick, 2 stories, 16x56 feet, steam heating, slag roof. Contract awarded to A. Shestack, 528 Reed street, Philadelphia.

Store and Dwelling (alt. and add.), 625 South Sixtieth street, Philadelphia. Architect, private plans. Owner, W. O. Dobson, 625 South Sixtieth street, Philadelphia. Brick, 2 stories, 14x16 feet, slag roof, electric lighting. Contract awarded to J. P. Fallon, 6026 Osabe avenue, Philadelphia.

Store and Dwelling (alt. and add.), 1403 North Fifty-second street, Philadelphia. Architect, private plans. Owner, Joseph Lombardo, 5614 Wyalusing avenue, Philadelphia. Brick, 2 stories, 18x22 feet, slag roof. Contract awarded to A. Prentello, 638 Chestnut street, Philadelphia.

Residence (alts.), Chestnut Hill, Philadelphia. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Miss Mary E. Hebard, Wyndeclyffe, Chestnut Hill. Plumbing, heating and electric work reserved. Contract awarded to Thomas M. Seeds, Jr., 1207 Race street, Philadelphia.

PENNSYLVANIA Construction News

Store (5) and Apartments (alt. and add.), South Bethlehem, Pa. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owner, George F. Metzger, Fourth and New streets, South Bethlehem, Pa. Brick, 4½ stories, 40x60 feet, slag roof, steam heating, gas and electric lighting, tile work, dumb waiter, iron and marble stairs. Owners taking bids. The following are figuring: Chas. F. Swartz, George W. Heller, Forrest F.

Specht, Robert Pfeifle, all of Bethlehem, Pa. Sunday School, Allentown, Pa., \$12,000. Architect, E. M. Pickin, Hunsicker Building, Allentown, Pa. Owners, First Menonite Church, Rev. Boyer, Allentown, Pa. Brick and terra cotta, 2 stories, 40x60 feet, slate roof, steam heating, electric lighting. Architect taking bids. Kratz & Sons, Allentown, Pa., are figuring.

Hospital (adds.), Hanover Township, Pa.

UNITAS TILING

A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

Architect, private plans. Owners, Homeopathic State Hospital for Insane, Dr. Henry I. Klopp, Superintendent, Allentown, Pa. Consists of 2 pavilions and 1 cottage, brick, 1 and 2 stories, 70x24 feet, 28x64 feet and 30x21 feet, slate and slag roofs, electric lighting, steam heating, metal lath. Owners taking revised bids, due March 3rd at 3 P. M. Butz & Clader and W. H. Gangewere, both of Allentown, Pa., are figuring.

Residence, South Bethlehem, Pa., \$10,000. Architect, Howard J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Abe Rifowich, Bethlehem, Pa. Hollow tile and stucco, 2½ stories, 32x34 feet, tile roof, hot water heating, gas and electric lighting, hardwood floors, tile work, metal lath, hot water heating. Revised plans in progress.

Picture Theatre, Allentown, Pa., \$8,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owner, H. M. Wennuwerker, Allentown, Pa. Hollow tile and concrete, 1 story, 40x120 feet, slag roof, steam heating, electric lighting, cement floors. Architects ready for bids.

Residence, Lansford, Pa., \$4,500. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owner, Nathan Drumhiler, Lansford, Pa. Frame and stucco, 2½ stories, 32x38 feet, asbestos shingle roof, electric lighting, metal lath (heating reserved). Owner is taking bids.

School, Port Carbon, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, Port Carbon, Pa. Brick and stone, 2 stories, 80x160 feet, composition roof, electric lighting, slate blackboards. Revised plans in progress.

Church, South Bethlehem, Pa., \$20,000. Architect, J. R. Wilt, 104 Fourth avenue, Bethlehem, Pa. Owners, St. John's Windisch Lutheran Church, South Bethlehem, Pa. Stone and brick, 1½ stories, 46x93 feet, slate and asbestos shingle roof, hot water heating, electric lighting, tile work. Architect taking bids. The following are figuring: Robert Pifer and William F. Danzer, both of South Bethlehem, Pa.; Howard Stoudt and George Heller, both of Bethlehem, Pa.

Bungalow, South Bethlehem, Pa., \$4,000. Architect, J. R. Wilt, 104 Fourth avenue, Bethlehem, Pa. Owner, Fred Schreampfle, South Bethlehem, Pa. Brick and stucco, 1½ stories, 30x34 feet, shingle roof, steam heating, electric lighting. Owner taking bids. Robert Pifer, South Bethlehem, Pa., is figuring.

Twin Residences (2), Bethlehem, Pa., \$4,500. Architect, J. R. Wilt, 104 Fourth avenue, Bethlehem, Pa. Owner, Elmer Bean, Bethlehem, Pa. Brick, 2½ stories, 32x50 feet and 40x49 feet, slate roof, hot water heating, gas and electric lighting. Plans about completed. Architect will take bids in a few days.

Twin Residence, South Bethlehem, Pa., \$5,500. Architect, J. R. Wilt, 104 Fourth avenue, Bethlehem, Pa. Owner, Fred Eifert, South Bethlehem, Pa. Brick, 2 stories, 34x40 feet, slate roof, hot water heating, gas and electric lighting. Plans in progress.

Apartment House, South Bethlehem, Pa., \$35,000. Architect, J. R. Wilt, 104 Fourth avenue, Bethlehem, Pa. Owner's name withheld. Brick, stone trimmings, 4 stories, 100x34 feet, wing 34x30 feet, tile work, hot water heating, gas and electric lighting, passenger elevator. Plans in progress.

Theatre and Store, Allentown, Pa., \$75,000.

Architect, E. M. Pickin, Hunsicker Building, Allentown, Pa. Owner, Fred B. Gerner, 504 Hamilton street, Allentown, Pa. Brick, steel and concrete, 2½ stories, 80x230 feet, slag roof, steam heating, gas and electric lighting, tile work, metal lath, waterproofing and damp-proofing. Ritter & Smith, Jefferson and Gordon streets, Allentown, Pa., submitted the lowest bid and will probably receive contract.

Church, Lansdowne, Pa. Architects, Druckenniller & Williams, Land Title Building, Philadelphia. Owners, First Presbyterian Church, Lansdowne, Pa. Stone, 1 story, 77x100 feet, slate roof, electric lighting, steam or vacuum heating. Plans in progress.

Bank Building (alts.), Norristown, Pa. Architect, Paul A. Davis, 3rd., 1713 Sansom street, Philadelphia. Owners, Montgomery National Bank, Norristown, Pa. Consists of remodeling of interior, new banking fixtures, electric lighting, tile and marble work. Plans in progress.

Residence and Garage, Elkins Park, Pa., \$10,000. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, P. C. Ruth, Noble, Pa. Hollow tile and plaster, 3 stories, 30x65 feet, garage, 20x22 feet, slate roof, steam heating, electric lighting, hardwood floors. Architect taking bids, due February 25th. The following are figuring: Thomas Grady, Kennett Square; Krewson Bros., Glenside, Pa.

School, West Reading, Pa., \$50,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, School Board of West Reading, Pa. Brick, 2½ stories, 168x43 feet and 44x70 feet, composition roof, electric lighting, slate blackboards (heating separate bid.) Plans about completed. Owners will take bids in one week.

Factory (rebuilding), Reading, Pa., \$10,000. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owners, Yocum Bros., Seventh and Walnut streets, Reading, Pa. Brick, 5 stories, 60x64 feet, slag roof, steam heating, electric lighting. Plans in progress.

Lodge Building, Amityville, Pa., \$8,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Knights of the Golden Eagle, Amityville, Pa. Brick, stone trimmings, 3 stories, 36x52 feet, slag roof, steam heating, gas and electric lighting. Plans in progress.

Residence, Cressona, Pa., \$4,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owner, L. D. Wagner, Cressona, Pa. Frame, 2 stories, 20x28 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence, Reading, Pa., \$3,500. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Hollow tile and stucco, 2 stories, 34x40 feet, slate roof, hot air heating, electric lighting. Plans in progress.

Twin Residence, Reading, Pa., \$4,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, J. B. Shafer, Mt. Penn, Reading, Pa. Frame and stucco, 2 stories, 36x28 feet, slate roofs, hot air heating, electric lighting, metal lath. Plans in progress.

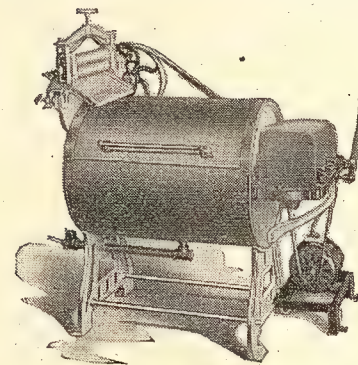
Bridge (No. 44), near Albany, Pa. Architect, William Hunter, Twelfth and Market streets, Philadelphia. Owners, Philadelphia and Reading R. R. Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 18x169 feet, waterproofing, expanded metal. Owners taking bids, due March 5th. The fol-

THE FAIRBANKS CO.

PHILADELPHIA

VALVES
AND
SCALES

Laundry Equipment

AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York CityLet Us Make Your Home
Weather ProofAquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG,
PHILADELPHIA, PA.HARRY C. EISENBISE CO.
Consulting Engineers1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

R. O. SCHEEL, PRESIDENT

H. H. S. OGDEN, SECRETARY

FLOORS

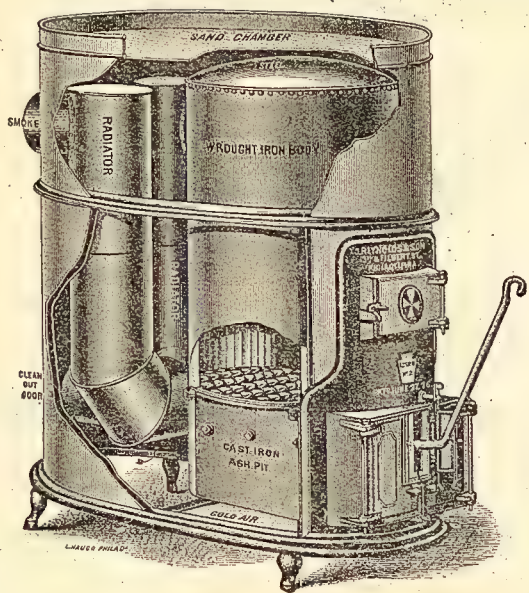
PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA
One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION.**

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting
Painter and Decorator
Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of
PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.
Main Office: York, Pa.

lowing are figuring: Brown-King Const. Co., Arcade Building; James McGraw Co., Arcade Building; A. L. Carhart, Hale Building; Enos L. Seeds, 6613 Wissahickon avenue, all of Philadelphia.

Bridge (No. 58), Wagontown, Pa. Architect, William Hunter, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading R. R. Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 18x110 feet, waterproofing, expanded metal. Owners taking bids, due March 5th. The following are figuring: Brown-King Const. Co., Arcade Building; James McGraw Co., Arcade Building; A. L. Carhart, Hale Building; Enos L. Seeds, 6613 Wissahickon avenue, all of Philadelphia.

Sanitarium, Lansdale, Pa., \$15,000. Architects, Conner & Slifer, Lansdale, Pa. Owner, Dr. Ruth Maher, Lansdale, Pa. Hollow tile and stucco, 2½ stories, 90x32 feet, slate roof, trunk lift, composition floors, electric lighting, steam heating, iron balconies. Architects taking bids, due March 3rd. The following are figuring: Alex. Chambley, 243 South Tenth street, Philadelphia, and J. Kaufie and A. Myers, of Lansdale, Pa., and George Hogg, 1634 Sansom street, Philadelphia.

School Building, Ivyland, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Board of Education, Ivyland, Pa. Brick, 1 story and basement, 40x60 feet, shingle roof, hot air heating. Plans in progress. Bids in one month.

Cottage, Southampton, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, P. E. Leedom, Southampton, Pa. Frame, 2½ stories, 24x28 feet, shingle roof, electric lighting, hot water heating. Plans in progress.

Chapel, Southampton, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Davisville Baptist Church, Southampton, Pa. Hollow tile and plaster, 1 story, 32x60 feet, shingle roof, hot air heating, electric lighting. Plans in progress.

Residence, Merion, Pa. Architects (associated), Frank Seeburger and Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, J. Wallace Hallowell, Jr., 113 South Broad street, Philadelphia. Stone, 2½ stories, 28x70 feet, slate roof, hot water heating, gas and electric lighting, hard wood floors. Plans in progress. Architects will take bids in about two weeks.

Home (add.), Oakbourne, Pa. Architect, Walter H. Thomas, 130 South Fifteenth st., Philadelphia. Owners, Smith Memorial Home,

Oakbourne, Pa. Hollow tile and stucco, 2 stories, 27x30 feet, slate roof (steam heating, electric lighting reserved). Architect taking bids. Joseph M. Burns, West Chester, Pa., is figuring (only bidder).

Gardener's Cottage, Villa Nova, Pa. Architects, Baily & Bassett, 424 Chestnut street, Philadelphia. Owner, Dr. W. P. Klapp, Villa Nova, Pa. Hollow tile and plaster, 2 stories, 24x32 feet, slate roof, electric lighting, hot water heating. Plans in progress. Bids in one week.

Residence, Haverford, Pa. Architects, Furness, Evans Co., Provident Building, Philadelphia. Owner, Thomas De Witt Cuyler, Haverford, Pa. Stone and brick, 3 stories, concrete, fireproofing, slag and canvas roof, metal lath, hardwood and tile floors (heating and lighting reserved). Architects taking bids, due February 24th. The following are figuring: J. F. H. Mahan, Ardmore, Pa.; Wm. R. Dougherty, 1610 Sansom street; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Store and Apartments, Ardmore, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Dr. J. V. Slaughter, Ardmore, Pa. Brick, 1 or 2 stories, 60x90 feet, slag roof, steam heating, electric lighting. Architect taking revised bids, due March 5th. The following are figuring: W. Harry Roberts, Newtown Square, Pa.; S. R. Haws, F. H. Mahan, L. D. Spencer, all of Ardmore, Pa.; F. R. Heavner, Norristown, Pa.; A. L. Fretz & Sons, 1222 Chancellor street; Stocker & Hastings, 1320 North Carlisle street, Philadelphia.

Residence, Merion, Pa., \$18,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, William H. Steigerwalt, 1420 Chestnut street, Philadelphia. Brick, plaster and timber, 2½ stories, 30x100 feet, slate roof, hot water heating, gas and electric lighting, hardwood floors, tile work. Contract awarded to John E. Kearney, 327 North Sixty-third street, Philadelphia.

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

LIGHTING FIXTURES

In our show rooms you will find a complete line of **LIGHTING FIXTURES**

FRANKLIN FIXTURE COMPANY
Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms
242 PENN STREET, - READING, PA.

NEW JERSEY Construction News

Factory (add.), Bridgeton, N. J. Engineer, N. M. Loney, 447 West Fourteenth street, New York City. Owners, American Can Co., 447 West Fourteenth street, New York City. Cement blocks, 3 stories, 65x140 feet, slag roof (heating and electric work reserved). Owners have received bids.

Club House (alts.), 312 Broadway, Camden, N. J., \$5,000. Architect, Joshua C. Jeffers, 1001 Chestnut street, Philadelphia. Owners, Fourth Ward Republican Club, 307 Broadway, Camden, N. J. Brick, 2 stories, 18x60 feet, electric lighting. Owners have received bids.

High School (alts.), Vineland, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Edgar R. Jones, Secretary, Decker Block, Vineland, N. J. Brick, 2 stories, steel stairs, metal ceilings, electric lighting, slate blackboards, kalamein doors (mechanical heating system separate bids). Owners taking bids, due March 1st. The following are figuring: H. L. Brown, 1714 Sansom street; F. L. Hoover & Sons, 1923 Cherry street; H. E. Grau Co., 1707 Sansom street; H. E. Batton, Twelfth and Sansom streets; Stacy Reeves & Sons, 2011 Market street; Metzger & Fisher, Denckla Building; F. E. Wallace, 1210 Sansom street, all of Philadelphia.

Schools (2), Hasbrouck Heights, N. J. Architect, Henry C. Pelton, 8 West Thirty-eighth street, New York City. Owners, Board of Education, Hasbrouck Heights, N. J. Brick and stone, fireproof, 2 stories and basement, 34x90 feet, slag roof, electric lighting, steam heating, safety treads, steel sash, waterproofing, dampproofing. Owners have received bids.

Stores and Apartments (3), Atlantic City, N. J. Architect, J. Vaughn Mathis, Guarantee Trust Building, Atlantic City. Owner, Dr. Rouben L. Babcock, Jr., Atlantic City, N. J. Brick, 3 stories, 48x72 feet, slag roof, hot water heating, electric lighting, waterproofing. Architect has received bids.

Stores (4), Atlantic City, N. J. Architects, Hewitt & Granger, Bullitt Building, Philadelphia. Owners, St. Charles Hotel, Atlantic City, N. J. Brick, concrete and terra cotta, 2 stories, 80x83 feet, slag and canvas roof, electric lighting, vapor vacuum heating, waterproofing, metal lath. Builders, Cramp & Co., Denskla Building, Philadelphia, taking sub-bids.

Film Factory and Studio, Pleasantville or Glassboro, N. J., \$25,000. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Acme Film Producing Co., care of Reuben L. Babcock, Guarantee Trust Building, Atlantic City, N. J. Hollow tile, concrete and steel, 1 and 2 stories, 75x150 feet and 50x75 feet, slag and glass roofs, hot water heating, asbestos mill floors. Plans about completed. Architect will take bids in a few days.

School, Egg Harbor, N. J., \$14,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, School Board, Egg Harbor, N. J. Brick, 3 stories, 40x60 feet, slate roof, hot air heating, electric lighting, slate blackboards. Plans in progress.

Apartment Houses (3), Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owners, Ocean View Co., Albert Abbott, Secretary, Guarantee Trust Building, Atlantic City, N. J. Brick, 3 stories, 33x102 feet, 20x102 feet, 70x80 feet, slag roof, steam heating, gas and electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in about one week.

Picture Theatre, Atlantic City, N. J., \$10,000. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owners, Siracusa & Depasquale, 119 North Chelsea avenue, Atlantic City. Brick, 1 story, 50x150 feet, composition roof, steam heating, electric lighting, tile work, metal lath. Owners are taking sub-bids.

Apartment House, Elizabeth, N. J., \$12,000. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City, N. J. Owners, M. M. Martin & Son, 1139 East Jersey street, Elizabeth, N. J. Brick and terra cotta, 3 stories, 34x80 feet, slag roof, hot water heating, electric lighting, tile work. Owner taking bids.

Bank Building, Clayton, N. J., \$10,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Clayton National Bank, Clayton, N. J. Stone, 1 story, 28x40 feet, slate roof, hot water heating, gas and electric lighting, banking fixtures. Plans in progress. Architects will take bids in 3 weeks.

School, Forked River, N. J., \$9,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, Forked River, N. J. Frame, 2 stories, 42x65 feet, shingle roof, mechanical warm air heating, metal lath, slate blackboards. Plans in progress.

Residence, Collingswood, N. J., \$4,500. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner, Clarence N. Haven, Collingswood, N. J. Hollow tile and stucco, 2½ stories, 24x40 feet, shingle roof, hot water heating, gas and electric lighting. Architects taking bids, due March 5th. The following are figuring: Edward Geschke, O. O. Patchett, A. K. H. Doughty, Clarence Hensley, all of Collingswood, N. J., and Charles L. Stewart, Camden, N. J.

Bungalows (2), Stone Harbor, N. J., \$4,000. Architects, Custer & Seltzer, 302 Market st., Camden, N. J. Owner, Mr. Dilks, care of South Jersey Realty Co., Real Estate Trust Building, Philadelphia. Frame, 1½ stories, 24x40 feet each, shingle roof, electric lighting. Owners taking bids.

Residences (4), Jackson street, Camden, N. J. Architect, private plans. Owner, William Yeager, 1467 Haddon avenue, Camden. Two stories, 19x44 feet, slag roofs, hot air heating, gas lighting. Owner taking sub-bids.

Residences (2), Westfield avenue, Camden, N. J. Architect, private plans. Owner, Joseph M. Post, 314 North Forty-second street, Camden. Hollow tile and stucco, 2 stories, 15x42 feet each, slag roof, hot water heating, gas and electric lighting, tile work. Owner taking sub-bids.

Residences (40), Twenty-fourth and Howell streets, Camden, N. J. Architect, private plans. Owner, Harvey K. Partridge, 507 State street, Camden. Brick, 2 stories, slag roofs. Owner is taking sub-bids.

Residences (2), Kenwood avenue, Camden, N. J. Architect, private plans. Owner, W. S. Eastlack, 420 Benson street, Camden. Brick, 2 stories, 26x27 feet, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Residences (4), Bradley street, Camden, N. J. Architect, private plans. Owner, W. S. Eastlack, 420 Benson street, Camden. Brick, 2 stories, 15x46 feet, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Residences (8), Kenwood avenue, Camden, N. J. Architect, private plans. Owner, Edward Halloway, 656 Washington street, Camden, N. J. Brick, 2 stories, 21x37 feet each, slag roof, hot air heating, gas lighting. Owner taking sub-bids.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*

Enjoy a Generous Supply of Heat

during the cold days and nights of February. Get a

Gas Heating Stove

Little expense—no trouble—quick results.

Reflector Heaters, \$2.85 to \$10.85.

Cylindrical Heaters, \$1.95 and \$2.10.

(Connections extra).

Convenient terms of payment.

See the display at any "U. G. I." store, or send for a representative.

**THE UNITED GAS
IMPROVEMENT CO.**

Residence, 822 Sycamore street, Camden, N. J. Architect, private plans. Owner, C. W. Moore, 822 Kaighn avenue, Camden, N. J. Brick, 2 stories, 14x40 feet, slag roof, hot air heating, gas lighting. Owner taking bids.

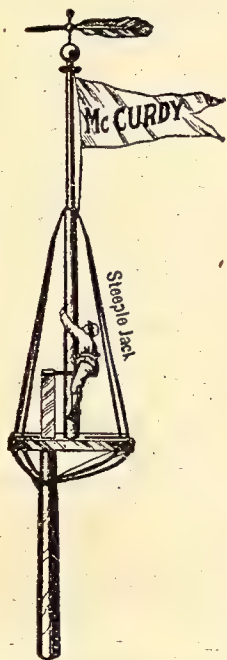
Residence, 1497 South Tenth street, Camden, N. J. Architect, private plans. Owner, Michael Krysa, 1499 South Tenth street, Camden. Brick, 2 stories, 14x44 feet, slag roof, hot air heating, gas lighting. Owner taking bids.

"Windustite" Metal Weather Strips

Save Fuel. Keep out Dust.
Afford Protection against Drafts.
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue Philadelphia, Pa.



FLAG POLES and Fittings

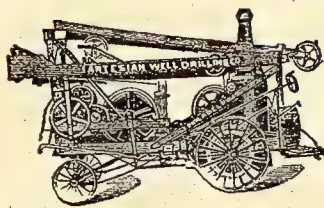
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

DO IT NOW.

All we have is just this minute
Do It Now.
Find your duty and begin it
Do It Now.
Surely you're not always going
To be "a going to be," and knowing
You must sometime make a showing.
Do It Now.

New Jersey

Contracts Awarded

Post Office, Morristown, N. J., \$102,815. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Brick and stone, 2 stories, 91x82 feet, tile roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing, safety treads. Contract awarded to Charles McCaul Co., 1713 Sansom street, Philadelphia.

Apartment House, 135 South Mt. Vernon avenue, Atlantic City, N. J., \$5,700. Architect, private plans. Owner, Mrs. Frank, on premises. Brick, 3 stories, 30x37 feet, slag roof, steam heating, electric lighting. Contract awarded to Atlantic Building Co., Union National Bank Building, Atlantic City, N. J.

Shop, 1025 Baltic avenue, Atlantic City, N. J., \$3,000. Architect, private plans. Owner, E. Steelman Royal, Atlantic City, N. J. Brick, 1 story, 21x78 feet, slag roof, electric lighting. Contract awarded to Abacus Construction Co., 304 North Indiana avenue, Atlantic City, N. J.

Residences (6), 24 South Thirty-second st., Camden, N. J. Architect, private plans. Owners, Victor King & Joseph Trucksess, 138 South Thirty-second street, Camden, N. J. Frame, 2½ stories, 16x38 feet, slate roof, hot water heating, gas and electric lighting. Contract awarded to Joseph Trucksess, 138 South Thirty-second street, Camden, N. J.

Residences (8), Jackson street, Camden, N. J. Architect, private plans. Owner, Kolman Goldstein, 625 Ferry avenue, Camden, N. J. Brick, 2 stories, 14x28 feet each, slag roof, gas lighting (heating reserved). Contract awarded to Peter Malinowski, 1202 Thurman street, Camden, N. J.

Residences (6), Westfield avenue, Camden, N. J. Architect, private plans. Owner, East Side Developing Co., Camden, N. J. Frame, 2 stories, 14x48 feet each, shingle roof, hot air heating, gas lighting. Contract awarded to James M. Phillips, 3092 Freemont street, Camden, N. J.

Residences and Stores (3), Kaighn avenue, Camden, N. J. Architect, private plans. Owner, Antonio Rockinski, Camden, N. J. Brick, 2 stories, 20x78 feet, 18x78 feet and 20x80 feet, slag roof, hot air heating, gas lighting. Contract awarded to Benjamin Kauffman, 1129 Lemon street, Camden, N. J.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scrimper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

Miscellaneous Construction News

Post Office, Smyrna, Del. Architect, O. Wenderoth, Treasury Department, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Brick and stone, 1 story, tin roof, steam heating, electric lighting, metal lath. Owners taking bids, due March 29th, 1915, at 3 P. M.

Dance Hall (alt. and add.), Wilmington, Del. Architects, E. L. Rice, Jr. Co., 815 Market street, Wilmington, Del. Owner, Miss Katharine McClafferty, 920 Jefferson street, Wilmington, Del. Brick, 3 stories, 28x74 feet, slag roof, hardwood floors (heating and electric lighting and tile work reserved). Architects have received bids.

Residences (4), Wilmington, Del., \$7,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Ernest Petterson, 201 South Harrison street, Wilmington, Del. Brick, 2 stories, 13x42 feet each, slag roofs, hot air heating. Plans in progress.

Gymnasium, Green Castle, Ind. Architects, R. P. Daggett & Co., Indianapolis, Ind. Owners, Depauw University, Green Castle, Ind. Brick, stone and terra cotta, 3 stories, 114x294 feet, tile roof, metal lath, metal frames and sash, dampproofing (heating and lighting reserved). Architects taking bids, due February 24th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Service Building, Louisville, Ky. Architect, Albert Kahn, Detroit, Mich. Owners, Ford Motor Co., Detroit, Mich. Brick, terra cotta and concrete, 4 stories, 120x200 feet, slag roof (heating and lighting reserved), metal lath, iron stairs, waterproofing. Architect taking bids, due March 1st. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

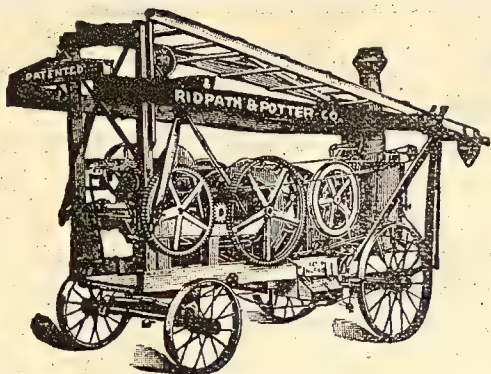
Court House, Cincinnati, Ohio, \$2,500,000. Architects, Rankin, Kellog & Crane, 1012 Walnut street, Philadelphia. Owners, City of Cincinnati, Court House Commission. Brick, stone and steel and concrete, 5 stories, 260x292 feet, slag and tile roof, tile floors, metal lath, waterproofing and dampproofing, safety treads, metal casements, metal frames and sash (heating and lighting reserved). Chas. McCaul Co., 1713 Sansom street, Philadelphia, submitted lowest bid.

Residence and Garage, Narragansett Pier, R. I. Architects, Savery, Schetz & Savery, Stephen Girard Building, Philadelphia. Owners, Misses Sinnickson, Narragansett Pier, R. I. Stone and frame, 2½ stories, 25x50 feet and 28x30 feet, slate roof (electric lighting, steam heating, plumbing reserved), hardwood floors. Architects taking bids, due March 2nd. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; R. C. Ballinger Co., 218 North Thirteenth street, Philadelphia; G. P. Bridge and J. W. Church, both of Narragansett Pier; R. I.; L. L. Bell, Wakefield, R. I.; R. A. Shuman, Babcock & Wilcox, C. P. Eggleston, all of Westerly, R. I.

Post Office, Smyrna, Del. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S. Government, Washington, D. C. Brick, 1 story, 40x55 feet, steam heating, tin roof, metal lath, dampproofing. Owners taking bids, due March 29th. F. W. Van Loon, Denckla Building, Philadelphia, is figuring.

Post Office, Gary, Ind., \$100,000. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S. Government, Washington, D. C. Stone and brick, fireproof, 1 and 2 stories, 88x112 feet, metal lath, composition roof, electric lighting, steam heating, weather strips, waterproofing, dampproofing, iron grilles. Contract awarded to Charles McCaul Co., 1713 Sansom street, Philadelphia.

Bungalow, Montohanin, Del. Architect, Leon W. Crawford, Odd Fellow's Temple,



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

Wilmington, Del. Owner, R. R. M. Carpenter, DuPont Building, Wilmington, Del. Frame and stucco, 1 story, 30x32 feet, asbestos shin-

gle roof, hot air heating, electric lighting. Contract awarded to A. S. Reed & Bros. Co., 815 Shipley street, Wilmington, Del.

MARYLAND Construction News

School Building, Kennedyville, Md., \$5,100. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, School Board of Kent County. Frame, 2 stories, 33x60 feet, slate roof, hot air heating, metal lath, slate blackboards. Plans in progress.

School Building, Betterton, Md., \$6,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, School Board of Kent County. Brick and frame, 2 stories, 43x84 feet, slate roof, hot air heating, slate blackboards, metal lath. Plans in progress.

Residence, Roland Park, Md. Architects, Ellicott & Emmart, Union Trust Building, Baltimore. Owner, John M. Cates, 2208 Maryland avenue, Baltimore. Hollow tile and stucco, 2½ stories, 42x45 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors. Architects taking bids. The following are figuring: W. E. Harn Co., 213 North Calvert street; Cowan Building Co., 106 West Madison street; Gladfelter & Chambers, 2072 Woodberry avenue; Edward Pilert, 15 East Fayette street; Roland Park Co., Roland Park, all of Baltimore, Md.

Lunch Rooms (alts.), northwest corner of Baltimore street and Guilford avenue, Baltimore, Md., \$30,000. Architect, O. G. Simonson, Maryland Casualty Building, Baltimore. Owner, John R. Thompson, Chicago, Ill. Consists of remodeling building for lunch rooms.

Tile and marble work, decorating, electric lighting. Plans in progress.

School (alts.), Wilkens avenue, Baltimore, Md. Architect, Hugh I. Kavanagh, 226 East Eager street, Baltimore. Owners, St. Mary's Industrial School, Baltimore, Md. Brick, 3 stories. Owners taking bids. The following are figuring: Monmonier & Sorrell, 1711 McCulloh street; Singer-Pentz Co., Equitable Building; J. J. O'Connor, 426 Lexington street, all of Baltimore.

Garage, Windsor Hills, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Julian S. Stein, 217 East Baltimore street, Baltimore. Stone, 2 stories, slate roof, electric lighting. Architect taking bids. The following are figuring: E. G. Turner, 15 East Fayette street; Gladfelter & Chambers, 2072 Woodberry avenue; G. W. Tovell, Eutaw and Dolphin streets; Roland Park Co., Roland Park, Baltimore, Md.

Church, Hamilton, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore, Md. Owner, Hamilton Presbyterian Church, Hamilton, Md. Stone, 1 story, 40x85 feet, slate roof, steam heating, electric lighting. Architect taking bids. The following are figuring: G. W. Tovell, Eutaw and Dolphin streets; E. G. Turner, 15 East Fayette street; J. Henry Smith, 1426 Light street; A. Knell, Jr., 217 St. Paul street; C. C. Watts, 113 Hamilton street; Edward Walters & Co., 509 North Charles street; Cogswell-Koether Co., 403 Park avenue, all of Baltimore, Md.

MARYLAND Contracts Awarded

Machine Shop, 1531 Maryland avenue, Baltimore, \$2,000. Architect, private plans. Owners, Autogenous Welding and Equipment Co., on premises. Brick, 1 story, 28x98 feet, tin roof, electric lighting. Contract awarded to Henry Momberger, 34 West Chase street, Baltimore, Md.

Drug Store (alts.), Howard and Franklin streets, Baltimore. Architect, private plans. Owners, Associated Drug Co., Lexington and Charles streets, Baltimore. Consists of new front and interior alterations, steam heating, electric lighting. Contract awarded to F. Decker & Son, 1209 East Biddle street, Baltimore, Md.

Garage, St. Paul street, near Mt. Royal avenue, Baltimore, Md., \$30,000. Architect, private plans. Owner, Walter Scott, 1127 West North avenue, Baltimore. Brick, concrete, Baltimore. Brick, concrete and steel, 3

stories, 60x120 feet, slag roof, steam heating, electric lighting, elevator, concrete floors. Contract awarded to J. Henry Smith, 1426 Light street, Baltimore, Md.

Garage, Oliver street, Baltimore, Md., \$5,000. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, W. D. McLaughlin, 1500 North Charles street, Baltimore. Brick, 1 story, 40x63 feet, tin roof, electric lighting. Contract awarded to Henry Momberger, 24 West Chase street, Baltimore, Md.

Residence, Havre de Grace, Md., \$40,000. Architect, W. M. Geiske, Gunther Building, Baltimore, Md. Owner, J. R. Richards, care of architect. Brick and stucco, 2½ stories, 65x82 feet, tile roof, hot water heating, gas and electric lighting, hardwood floors, tile work. Contract awarded to W. E. Harn Co., 213 North Calvert street, Baltimore, Md.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



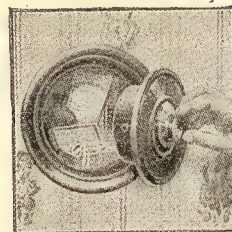
Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865



**MEILINK
WALL SAFES**

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.

SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

Small ideas, small methods, small men are becoming antiquated. This is the day of the broad outlook and big doings.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Board of Education (O), City Hall. Cramp & Co. (C), Denckla Building. Cost, \$650,000. High School, brick, 3 stories, 142x74 feet, Broad and Jackson streets.

Kleman & Zorochoff (O), 8021 Lyons avenue. Cost, \$56,600. Twenty-three dwellings, brick, 2 stories, 15x36 feet, Sixtieth and Greenway avenue.

Mark Kohn (O), 908 South Fifth street. Cost, \$6,500. Two stores and dwellings, brick, 3 stories, 17x35 feet, 612-19 South Twelfth street.

John McShain (O), 631 North Seventeenth street. Cost, \$865. Garage, 2 stories, brick, 22x40 feet, 1601 Wallace street.

Mark Haller (O), 2123 South Fourth street. Cost, \$80,000. Fifty dwellings, brick, 2 stories, 14x50 feet, Third and Rosenberry streets.

Thomas Potter & Sons (O), Second and Erie avenue. William Steele & Sons Co. (C), Sixteenth and Arch streets. Cost, \$2,600. Factory, brick, 1 story, 24x40 feet, Second and Erie avenue.

Shicter Bros. (O), 532 Watkins street. Cost, \$2,400. Dwelling, brick, 2 stories, 15x26 feet, 736 Norris street.

George F. Gibson, Jr. (O), 5807 Willows avenue. Cost, \$57,500. Twenty-three dwell-

ings, 2 stories, 15x30 feet. Cost, \$3,500. One dwelling, Fifty-ninth and Pentridge avenue.

M. Lane (O), 720 Spruce street. William R. Dougherty, 1610 Sansom street. Cost, \$1,500. Residence, alteration, brick, 1 story, 19x40 feet, 721 Delancey street.

E. W. Dwight (O), Germantown avenue and Sunset avenue. Cost, \$1,000. T. M. Seeds (C), 1207 Race street. Dwelling, brick, 3 stories, 7x15 feet, Germantown and Sunset avenues.

Fritz Rerberle (O), 2312 North Lawrence street. A. Schmitt (C), 2449 North Hancock street. Cost, \$2,525. Dwelling, brick, 3 stories, 16x38 feet, Palmetto and Devereaux streets.

A. J. Margolin (O), 203 South Fifth street. Cost, \$52,000. Twenty-four dwellings, brick, 2 stories, Twelfth and Dickinson streets.

Philadelphia and Reading R. R. Co. (O), Twelfth and Market streets. Cost, \$650. Station, 1 story, 16x12 feet, Twenty-second and Allegheny avenue.

F. Nardy Bros. (O), 1228 Fitzwater street. A. Shestack (C), 528 Reed street. Cost, \$1,600. Shop, brick, 2 stories, 16x56 feet, 439 Titan street.

Alterations and Additions

Duncan-Hood (O), American and Susquehanna avenue. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$1,514. Manufacturing Building, brick, American and Susquehanna avenue.

Philadelphia Warehousing and Cold Storage Co. (O), Delaware avenue and Noble street. Cost, \$850. Boiler house, 22x24 feet, Delaware and Noble street.

Charles Schilling (O), 120 Manor street. F. A. Stoll (C), 1432 Germantown avenue. Cost, \$1,450. Store and dwelling, 2440 North Front street.

Underwood Co. (O), Keystone and Cottman streets. George Baylie (C), 3501 Longshore street. Cost, \$600. Lumber shed, 54x56 feet, Keystone and Cottman streets.

St. Alban's Church (O), Second and Tabor road. Sinclair & Driscoll (C), 1524 Chestnut street. Cost, \$26,150. Church, 1 story, stone, 26x32 feet, Second and Tabor road.

P. F. Kernan (O), 1201 Chestnut street. Mitchell Bros. (C), 2125 Race street. Cost, \$7,500. Dwelling, 1949 Locust street.

Norris Market and Ice Manufacturing Co. (O), Third and Norris streets. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$11,000. Manufacturing Building, Third and Norris streets.

Sarah Fisher (O), 155 East Cheltenham avenue. George C. Fossel (C), 128 East Cheltenham avenue. Cost, \$1,625. Store, brick, 1 story, 10x16 feet, 159 East Cheltenham avenue.

W. C. Alexander (O), 31-33 North Second street. Murphy Co. (C), 263 South Tenth street. Cost, \$1,200. Store, 30x36 feet, brick, 1 story, 31-33 North Second street.

E. Webb & Sons (O), 136 South Front street. Harry R. Rust (C), 19 South Eighth street. Cost, \$700. Store, 136 South Front street.

F. G. Richards (O), 118 West Phil Ellena street. McClintock & Weaver (C), 24 West

Phil Ellena street. Cost, \$385. Dwelling, 118 West Phil Ellena street.

E. H. Hedley (O), 510 Oak Lane. F. R. Hill (C), 6700 North Sixth street. Cost, \$4,500. Dwelling, brick, 2 stories, 16x30 feet, 510 Oak Lane avenue.

U. G. I. Co. (O), Broad and Arch streets. Cost, \$16,000. Manufacturing building, 90x42 feet, brick, 2 stories, Point Breeze avenue.

J. V. Ramsden (O), 1989 North Sixty-third street. Charles C. Pace (C), Merion, Pa. Cost, \$500. Garage, 18x20 feet, 1989 North Sixty-third street.

Mastbaum Bros. & Fleisher (O), North American Building. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$3,000. Theatre, 2236 North Front street.

W. O. Dobson (O), 625 South Sixtieth street. J. P. Fallon (C), 6026 Osage avenue. Cost, \$2,300. Store and dwelling, brick, 2 stories, 15x16 feet, 625 South Sixtieth street.

Swift & Co (O), Delaware and Callowhill street. J. D. Fisher (C), 5718 Market street. Cost, \$1,500. Cold storage, Delaware avenue and Callowhill street.

Joseph Lombardo (O), 5614 Wyalusing avenue. A. Printello (C), 638 Christian street. Cost, \$3,500. Store and dwelling, 18x22 feet, brick, 2 stories, 1403 North Fifty-second street.

Bradley Market Co. (O), Twenty-first and Market streets. United Cork Co. (C), Land Title Building. Cost, \$5,000. Storage, Twenty-first and Market streets.

R. Bachman (O), Marshall and Parrish streets. B. Arrow (C), 860 North Sixth street. Cost, \$1,200. Store and dwelling, Marshall and Parrish streets.

N. Snellenburg Co. (O), Basch Co. (C), 1426 South Front street. Cost, \$600. Consists of new bulk window, Twelfth and Market streets.

GET ABOARD THE PROSPERITY WAGON.

Be willing to pay a fair price for every crop and for every manufactured commodity.

Concede to every workman a wage that is more than a mere living—give him a chance to educate his children and save something for old age.

Eliminate luxuries—stick to essentials.

Stop the senseless denunciation of legitimate stock, grain and cotton exchanges—keep our markets open for business all the time.

Let the bankers have fair play—they can and will do a lot for prosperity.

Give the railroads a lift—if they have a chance, they will iron out discriminations and distribute transportation expenses equitably.

Keep the older and more experienced law makers at the helm, and benefit by their wisdom. Turn out and keep out the demagogues and agitators, and don't regulate everything to death.

Give men with brains, energy, push and capital a fair show and let business grow bigger and help it grow.

Insist on the wise use of our natural resources and conserve them by insisting that not a tree be cut from the forests or a ton of coal or mineral taken from the ground unless there is a legitimate use for it that can pay fair wages to labor and a reasonable return for the capital employed.

In short, be fair. Concede a fair wage to every laborer, a fair price for every crop and for every manufactured commodity, a fair rate for every railroad, a fair return on every investment, and a fair distributor's profit to every merchant, with equal rights for all and special favors to none.

These things added to the bountiful natural resources, the wonderful productivity of the soil and the intelligent energy of the people cannot help but bring to these United States a full measure of prosperity regardless of the war in Europe or any other outside influence.—“Pine Cone.”

A GOOD POLICY.

Here is a practical hint for the manager who is keen on meeting competition from other buildings and who wants to keep his tenants and make a good impression upon the strangers who pass in and out of his building by the management of the Hotel McAlpin. In every elevator in the building, freight as well as passenger, appears this sign, either illuminated by electric lights or in plain black letters on a white celluloid background:

The only rule in this hotel is that the patron must be pleased under all circumstances.

Change the word “Hotel” to “Building” and you have the recipe for a successful property if you live up to it.—“Architecture and Building.”

No one suffers from a mean disposition like the fellow who has one.

ESTIMATING AND CONTRACTING

Estimating on contracts frequently makes or breaks a man. It is so easy to underestimate on a job in order to secure it against all competitors that many builders and contractors to-day much prefer the cost plus commission method of building as a certain way out of the dilemma. It is certainly more just to both builder and client, for neither can then lose, and no exorbitant profit can be made by the contractor if his bid should happen to be larger than the conditions demanded.

But the old method of competitive bidding still prevails in most parts of the country, and it will continue perhaps for many years to come. The architect has a much easier time of it than the builder in making estimates. He arbitrarily makes his estimate on the cubical contents, assuming for convenience a standard cost per cubic foot.

This method is too careless and slipshod for the contractor. The architect is often thousands of dollars out of the way. If he assumes that a good wooden building in a certain locality can be built for 15 cents per cubic foot, and bases his estimate on this unit measurement, he will present his figures to his client as a guide. Now the client when bids begin to come in from the contractors is disappointed to find that the architect's estimate is altogether too small.

The cubical content method of estimating is merely a snap-shot guess, and nothing else. There is a great variety of prices found among architects as to the cost per cubic foot of a house. One will assume that a certain structure can be built for 18 cents per cubic foot; another says it can't be done for less than 20, and a third may estimate on 21 cents. The shrewd builder accepts the figure of neither, but begins his figuring from the foundation up and arrives at his estimate by a process all his own.

One of the weaknesses of the method of figuring on the cubical contents as a guide is that it does not adjust itself sufficiently to the fluctuation in prices for materials and labor. There are houses built a few years ago at a cost of 18 cents per cubic foot that could not be duplicated to-day for less than 20 cents. It would be fatal for a contractor to take one of these houses as a guide.

The first essential in making reliable estimates is to keep cost sheets of materials and labor on file and constantly change and bring them up to date. The most successful contractors have such cost sheets indexed and filed away for ready reference. By a little comparison with the market prices of materials at any given time they can be used as a certain guide. If the net cost of brickwork is figured at \$14 per thousand with bricks at \$8 per thousand and labor at \$6 a day for good masons, the contractor would be all wrong in his estimates if bricks advanced or declined a dollar a thousand or if wages fluctuated up or down.

He must know first of all the cost of his material and labor at the time the job is to

be done. It is even possible that a sharp variation may take place in the market between the time of bidding and actually beginning work. This is something that the shrewd contractor can often foresee if he is in close touch with the market. Before revising the cost sheets of labor and materials to fit any particular job it is wise to look even a few months ahead. Frequently on a rising market contractors can place tentative orders for materials on the strength of getting a contract a few months ahead, and arrangements can be made to cancel the orders if the job falls through. One cannot be too particular in this way to protect his interests.

With cost of labor and materials well in hand, the work of figuring out the total estimates of a job may then go forward. No two contractors follow the same line of figuring. One man figures upon the net cost of a job and then adds a percentage for profit. Another makes estimates of net cost and adds a percentage profit to each item as he goes along. For instance, if he figures on brickwork at \$12 per thousand net, he adds \$4 for profit and puts it in at \$16 per thousand.

The contractor has far more elements of chance to contend with than the architect. The latter's figures are purely arbitrary and theoretical. The contractor's must be of practical nature, making full allowance for strikes, delays by weather, and interruptions through delivery and differences with the architect and owner. There are a dozen and one contingencies that he must face, and if due allowances are not made for these he may lose on the job.

Another thing that a builder or contractor must take into consideration in making estimates is the character of his plant equipment. The cost of a big job can be reduced materially if one has a full equipment of labor-saving tools and implements, such as automatic hod carriers, derricks for handling heavy pieces, concrete mixers, wheelbarrows that can be lifted easily by carriers from the ground floor to the top and many other little things that count for efficiency. One whose work has always been confined to small jobs would not have such equipment, and he would have to subtract from the saving obtained by their use the cost of buying them new. The big contractor, on the other hand, would have all the necessary tools and appliances, and he would have an advantage over the small man.

The foreman and workmen under him are also factors in the situation that count greatly. A trusted foreman who can be depended upon to get a certain amount of work out of his men on time is often of more value to a contractor than anything else. A new foreman might bungle the job and reduce the efficiency ten or twenty per cent. Poor mechanics may upset a man's estimates so that a profit can be turned into a loss.

As an illustration of the value of good tools as well as good mechanics, a contractor

had to tear up the concrete base of a floor in which mosaic tiles were laid as a result of a mechanic's inaccurate level. Neither he nor the mechanic took the trouble to check off his level to see if it was plumb. The floor was laid and the tiles set before the contractor's eyes made him question it. The mechanic proved by his level that it was correct. Still doubting it a new level was purchased and laid on the floor. The bubble would not come into the middle. The old level was out of plumb, and hence the floor was. There was no way other than to tear up the floor and do it over again, which cost the contractor a good sum. It is thus quite essential that a contractor should see before a job is undertaken that the workman has the proper tools. Otherwise his calculation may be entirely off.

In bidding against competitors a contractor who finds his bid a good deal lower than any of the others is startled before he is jubilant. Of course, he wants the job; that's why he bid for it, but to find his figures way below the others makes him feel that there is something wrong. His first thought is that he has made an underestimate through a mistake, and he is worried until the figures have been carefully checked up. It is a simple matter to make mistakes with figures, so simple that the most successful contractors never trust themselves alone in making an estimate. They have somebody else to check them off, but this is often done perfunctorily. Another person going over his figures may pass over the same mistake without discovering it.

The most satisfactory method is that found in practice in one of the biggest contractor's office in the country. Two independent estimators are set to work. They first revise their cost sheets of material and labor and then proceed without consulting each other in making up the estimates. If they both agree or come within a few hundred dollars of each other, it is pretty good evidence that they have not made errors. But if one is a thousand or two dollars above the other, a comparison of the two sets of figures will bring to light the reason for the great difference. This method of estimating and checking up each other's figures enables a contractor to put in a bid without fear of loss. If his figures are way below those of all rivals he still has sufficient confidence in himself to go ahead without fear.

It is the most common thing in the world for a contractor to lose on one job and make on another. If his profits on one do not more than make up for his losses on the other he is heading straight for bankruptcy. In few other lines of business would such conditions be tolerated. There must be a reason for it. Barring unforeseen accidents, strikes and labor troubles, the contractor should be able to figure just as surely upon one job as another. If he does not there is something at fault with his system. Usually it is carelessness. In his haste he has overlooked some little thing or misunderstood the architect's specifications.

(Continued on page 130.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., FEBRUARY 24, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlenberg
TreasurerWalter Mellor
Directors—Clarence C. Zantzinger, John Molitor,
John Graham, Jr., Frederick A. Muhlenberg.

Editorial Comment

Mr. Theodore Starrett, who has had many years of experience in the field of building construction, contributes an interesting chapter to "Architecture and Building" on the subject of property depreciation in the "big business" section of New York City.

"Real estate, I sometimes think," writes Mr. Starrett, "especially in New York City, where it is worth the most—where the greatest fortunes have been made in it—real estate, I say, ought to be called imaginary estate."

Some day some philosopher will discover this and prove it.

I will content myself by referring to a case of a plot of ground with a building on it which four years ago was sought by a buyer with great eagerness. He offered four hundred thousand dollars for it. The owner wanted four hundred and fifty thousand. The offer was raised to four hundred and twenty-five thousand dollars, and later to four hundred and thirty-five thousand dollars.

The owner held out for his price, four hundred and fifty thousand dollars, and there the negotiations ended.

The ground still belongs to its owner of four years back. It was recently appraised at two hundred and fifty thousand dollars.

I might give some more details that would show that this appraisal is about right, but I won't; it is not necessary.

There was a shrinkage in four years of two hundred thousand dollars in the value of this piece of "real" estate!

Thousands, or surely hundreds of instances could be found in New York City of this unreality or ephemerality of real estate.

And the building part of these properties, what of it? Oh, the building had nothing to do with it. Though probably the costliest building work in the world, with the exception of San Francisco, makes productive the real estate of New York City it has, as a rule, little or nothing to do with the value of the property.

I could point to a dozen million-dollar buildings in the highly developed districts of the city that had better never been built—useless encumbrances of the ground. And another dozen monuments have been torn down to make way for supposedly better structures, torn down and big money paid to get them out of the way, and every penny paid for them as dead a loss as the money you paid for last year's groceries, as far as the buildings themselves were concerned.

A curious thing, illustrating the unequal distribution of this world's goods and benefits, is the fact that as I write this I read of a strike riot here in the metropolitan district where operatives get only \$1.60 per day and want \$2.00, while in the building trade all is stagnation because New York is over-supplied with buildings constructed by work-

men whose wages run from three to five and six dollars per day.

But that really has nothing to do with this case except as showing the rare need of high ability in the task of managing building construction and of the equally rare need of all hands co-operating to bring some real business ability into this interesting game.

Money spent on buildings is consumption, not investment; it may be slow consumption, but consumption it is; and the user of a building, whether owner or tenant, is the consumer.

Grant this or not, what do you think of real estate, with all its ups and downs, being made productive by buildings which are built on guesses and irresponsible saysos, with no forethought or guarantee that will protect the investor as to the amount of his investment?

What do you think of the judgment of these owners or tenants or whoever they are who try to save at the spigot by doing without builders and waste at the bung—and all the staves, too!—as a result?"

* * *

Touching the matter of the suggestion offered by a Minneapolis man for the elimination of the architect, Mr. Starrett, whose many years of practical experience as a builder enable him to discuss the probable outcome with insight and understanding, has this to say:

"Some architects have tried to be builders, and have done very well; some builders have supplied architecture and have done very well; but the builders that got along by flattering and bribing the architects and using them to put over deals where the owner was bled, they are going. A new kind of builder has appeared that would help the architect if the architect wished it.

Architects have the advantage in this game that they are the ones to whom the owners turn first. If they could but know how the construction company, as it is called, can help them, or better still, if they could but know that there is an easy way in which their profession can get the good and leave the bad, with the help of the construction company, or of capable up-to-date builders, they would be surprised.

Out of my own experience I make this statement, that the double responsibility of builder and architect is too much for one institution. It is more than flesh and blood can stand, especially in the face of the trade union conditions that bottom building construction. The builder has more than he can attend to in management alone, in bringing about the required economy of building construction—economy of time and of money spent. The architect, with the work of translating the owner's requirements, has all he can attend to. Why should he try to be a builder, too?"

The "Heating and Ventilating Magazine" for February devotes something like six pages to an interesting and instructive article on "Air Conditioning in a Moving Picture Laboratory." The laboratory to which reference is had is that of the Lubin Manufacturing Company at Betzwood, Pa. The job was one of unusual difficulty, owing to the many factors entering into the various sensitive processes involved in the manufacture of photographic films.

The system installed included an air washer used as a humidifier during a portion of the year and as a de-humidifier and cooler the remainder; a fan drawing air through the air washer and discharging through a heater and by-pass into a plenum chamber from which separate supply ducts are taken to the various rooms; air recirculating ducts which discharge into a suction chamber, at which point the requisite amount of fresh air is introduced to the system, the mixture passing into the washer and so completing the cycle and thermostatic temperature regulation throughout.

The air conditioning equipment was designed by Warren Webster & Co., in conjunction with Edward Simon, consulting engineer of the Lubin Company. Bowers Brothers & Co., of Philadelphia, were the contractors.

"The result of their efforts," comments the "Heating and Ventilating Magazine," "are worthy of special mention, as the workmanship is considered practically perfect to the smallest detail."

* * *

Building construction in the principal cities of the United States for January shows a decrease of 26 per cent. in comparison with the corresponding month a year ago. Permits were taken out in 107 cities for the construction of 13,343 buildings at an estimated cost of \$40,689,893 for the month just closed, as against 15,806 buildings, involving a total cost of \$55,307,053 for the same month a year ago, a decrease of 2,463 buildings and \$14,617,160, or 26 per cent. The most satisfactory feature of the situation is the fact that there are marked indications of improvement in New York City, there being an increase in the month just closed of 76 per cent. over the same month a year ago. The greatest activity in building outside of the largest cities is in New England, New Jersey and Ohio.

In 107 cities there were increases in 34 cities and losses in 73. Notable among the cities of the Central West is the increase of 28 per cent. in St. Louis and 36 per cent. in St. Paul, while Toledo, O., shows a gain of 128 per cent. Other increases were in widely scattered cities, including Waterbury, Conn., 8 per cent.; New Britain, Conn., 29; Fitchburg, Mass., 276; Schenectady, 2,320; Troy, 417; Albany, 128; Hoboken, 421; Elizabeth, 70; Paterson, 146; Bayonne, 85; Passaic, 149; Springfield, Mass., 63; Lawrence, 132; Woonsocket, R. I., 149; Altoona, 12; Washington, D. C., 2; Montgomery, Ala., 4; Canton, O., 178; Youngstown, 6; Erie, 9; Saginaw, 567; Springfield, Ill., 136; Des Moines, 36; Superior, Wis., 144; Wichita, Kan., 75. Some of the

Pacific Coast cities show remarkable gains, other things being taken into consideration, Spokane with an increase of 171 per cent., Oakland 13, Stockton 7 and Berkeley 40.

The losses were pretty general. A decrease of nine per cent. in Chicago is not especially significant, for while the remainder of the country for the last few months has been showing a decrease, Chicago has had what might be termed phenomenal increases. It is again worth while to call attention to that certain group of cities which have heretofore been showing large gains now have material decreases, but this is to be expected as a part of the give and take of the business.

There were decreases in Philadelphia, 27 per cent.; Chicago, 9; Boston, 64; Brooklyn, 35; Buffalo, 27; Detroit, 53; Huntington, W. Va., 2; Pittsburgh, 60; Cleveland, 14; Cincinnati, 22; Louisville, 8; Indianapolis, 44; Newark, N. J., 3; Rochester, 30; Milwaukee, 57; Denver, 22; Cedar Rapids, 56; Omaha, 8; Hartford, 46; New Haven, 50; Memphis, 68; Bridgeport, 23; Salt Lake City, 29; Columbus, 52; Akron, O., 62; Grand Rapids, 77; Worcester, 85; New Bedford, 79; Lincoln, Neb., 8; Quincy, Mass., 11; Brockton, 50; Niagara Falls, 37; Binghamton, 55; Scranton, 62; Wilkes-Barre, 66; Trenton, 22; Kansas City, 38; Dayton, 65; Sioux City, 64; East St. Louis, 51; Topeka, 71; Peoria, 90; Haverhill, Mass., 62; Portland, Me., 83; St. Joseph, Mo., 74; Baltimore, 73; Richmond, Va., 31; Savannah, 15; New Orleans, 28; Tampa, 63; Rushville, 45; Chattanooga, 47; San Francisco, 86; Los Angeles, 27; Oakland, 13; Pasadena, 42; Portland, 15; Tacoma, 45; Seattle, 66.

* * *

Once again the advocates of a law to require architects to be registered in order to practise in New York State have presented to the Legislature a bill, of which the features are that a candidate for a State license must have been graduated from a high school, have completed two years in an institution offering courses leading to an A. B. degree, and submit satisfactory evidence of at least five years, practical experience in a reputable architect's office.

The candidate would be examined by a board of architects practising in New York State, appointed by the Regents.

Julius Franke, architect of skyscrapers all over Manhattan, said in opposition to the bill:

"If architecture to-day were on the same plane that it was fifteen or twenty years ago, there would be plenty of reasons why this bill should go through, but it is a question whether registering an architect would make him a better one, or whether the public would think he was better for being registered. The chances are people would accept plans from a registered architect without taking the trouble to look into their records as they do now, and if they should happen to select a poor architect, the effect would be to work against the system and weaken the public's confidence in architects certified by the State.

"As far as New York City is concerned, the architects are mostly apathetic. The

registration question has been coming up before the Legislature for years, and last year a bill much like this one was buried in committee. The agitation, if any, has been among up-state architects, and a committee composed of them and some New York architects drew the present bill. They thought as long as the public seemed to want it, the bill ought to be drawn by architects."

* * *

Oliver Randolph Parry, of Philadelphia, architect, addressed the American Society of Engineers, Architects and Constructors at the New York Press Club on the press in connection with construction interests last week. Mr. Parry said, in part:

"Architect and constructor (not contractor, but the trained organization that carries out the actual construction designed by architect and engineer) require the press, and the press requires us. We are much more clearly associated than many of us have stopped to realize. The power of the press, when advocating or opposing public construction work, is well known to most of us, the result usually being in proportion to the degree of interest taken by the press.

"The press, of course, influences and reflects public sentiment, and at times, despite political opposition, forces through to accomplished completion much needed public improvements, while at other times it blocks immense expenditures when they appear unwise.

"The press gives publicity to various localities through paid advertisements of real estate developers, through news items, etc., and consciously or unconsciously creates improvement of structural character.

"The press condemns faulty construction resulting in collapse of buildings; reckless disregard of adequate fire requirements, etc., and has its influence in requiring better laws to prevent loss of life and property and possible flagrant winking at enforcement of such laws when made.

"One particular point of difference between newspapers and magazines is that

FASTER SYSTEM

**MAXIMUM AT MINIMUM
EFFICIENCY AT COST**

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



structural advertisements customarily do not appear in the former, while they largely do in the latter. By this I mean the commercial end of construction, which embraces materials, sub-contractors (in some cases general contractors), and appliances used in execution. Of course, professional ethics prevent architect and engineer from advertising. General advertising, such as of materials, etc., does not appear, as a rule, in newspapers. There is one point in which newspapers and magazines are alike in relationship to the technical practitioner, namely, in publicity given to executed work where there is merit, public interest or unusual features.

"The architect, engineer and constructor are always glad to reciprocate any favor of the press, and efforts of members of such professions furnish considerable news of value to all publications.

"There is close relationship between members of this society and newspapers and magazines, and with meetings such as this held in the home of the press such association should prove mutually beneficial to all concerned.

"The fact of there being no financial relationship itself insures absence of selfish motives."

The man who takes the stand that everybody knows his line and that his goods, for this reason, "sell without advertising," is as big a dunce in his way as that other idiot who claims to have "all the business he is able to handle." The best known book that ever was written is the Bible, and it's still advertised by firms who want to sell it. The biggest business ever organized is Standard Oil, but John D. is still reaching out for more.

ESTIMATING AND CONTRACTING.

(Continued from page 127.)

Misreading and misunderstanding the specifications of an architect have perhaps caused more losses and disagreements than any other one thing. Now many an architect is just as careless as the contractor. Some parts of his specifications may be wrong or confusing, or there may be two methods of interpreting them. The contractor who assumes that he understands without having it down in plain black and white invites a risk that may entail a great loss upon himself. If there is anything uncertain in the wording or any chance of misinterpretation of certain parts of the specifications he should have the matter cleared up with the architect before figures are submitted. A reliable architect instead of resenting calling him to account for a mistake will thank the contractor, for he realizes that if left uncorrected it might get both into trouble. A little tact and diplomacy in showing the architect his error would not hurt.

The contractor to-day finds his business raised to a higher standard than ever before, and old, obsolete methods do not prevail. Other contractors are studying efficiency, and they are getting better work out of their men. As a result of this a shrewd business man can make a low bid and still realize a fair profit, while another man might lose on it at that price. The loss of time through fussing at the beginning and preparing the scaffolds and preliminary stages of a contract

must be eliminated so far as possible. The contractor must consider in his work of estimating, then, his own efficiency and that of his plant and workmen.

The margin of profit to allow so that one is perfectly safe is a question that vitally concerns every contractor. Ten per cent. profit on the completed building when the cost plus commission method is followed is good pay; but the contractor bidding in the ordinary way could not be safe on that percentage. There are too many uncertainties to contend with. He must allow more to keep well within his rights. Unless one is very anxious to secure a job to keep his men working or to establish a reputation in a new locality, he must allow at least fifteen to twenty per cent. profit. If everything goes well he will make a handsome profit. If things go contrary he may still pull out with enough profit to pay him fairly well for the work done.

The best system of estimating is liable to get out of joint unless given individual attention. Some contractors adopt a rigid system and stick to it. They are so sure of it that they will turn the formula over to a clerk or typewriter, and leave the job to him or her. The results once in four or five times are bound to be disastrous. Every system must be more or less flexible, and above all it needs the individual oversight of the man most vitally concerned.—E. L. Seabrooke, in "National Builder."

WALLS FROM THE OUTSIDE IN

Consider the Adaptability and Nature of Each Type Before Planning Your House

Allen W. Jackson in "House and Garden."

Of what shall we have the walls of the new house? She likes white paint; you like brick, and your oldest daughter is just crazy about plaster covered with vines. It is hard to decide. The houses of white clapboards are certainly attractive, while brick and stone have a pleasant, substantial look, and plaster, even without the vines, has a charming texture and is most cheerful in its spotlessness.

They all have their advantages and their adherents, but, after all, it is a matter that will often settle itself. If any of the historic styles are to be used, the wall material will not usually allow of much latitude. For instance, the New England Colonial will usually call for clapboards and white paint, whereas this treatment would be a great solecism in any of the English styles. However, this is not quite so simple, for at the present time there is much excellent work being done that makes no attempt whatever to copy slavishly

any of the past architectural styles. It takes toll of them all in a greater or lesser degree, but the result refuses to be pigeon-holed under any of the old accepted labels. The shingled-all-over country houses done in the last twenty years in the East come under this head, as do these charming hybrid houses which are so elusively suggestive of Colonial, French and Italian work, but which are none of them, and almost form a style in themselves, except that they as yet refuse to be standardized.

It is then in this free house type of building that we may make our walls of what we choose, trusting to the restraint of a trained taste to keep the result congruous; which brings us to the conclusion that if one chooses to build in an historical style he must be prepared to accept the restrictions which such an acceptance imposes. However, let us examine a moment the most common walls

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.

Opportunities for Business

If you are a contractor, sub-contractor or material man, you can increase your opportunities for business by using "The Daily Building News."

ASK FOR SAMPLES

Building News Publishing Co.
Perry Bldg. Phila., Pa.

used in house building, and not only their surface appearance, but also below the surface, and see how they are made.

The use of stone, perhaps the most substantial material, will depend upon the amount of money one wishes to spend. It is the most expensive of all the walls. The cost of stone will depend upon what the immediate locality of the building has to offer and whether or not we wish cut stone. Cut stone is the most expensive; then we have the split stones, and last, the field stones. The wall, in any case, is laid up in mortar, the stones being cushioned in place and the interstices filled with spatts and mortar so that at the end of the wall, theoretically at least, is a perfectly solid mass of masonry with no air spaces. With a rubble or field stone wall, however, such perfection is too much to expect. As a matter of fact, our wall will probably let through enough moisture in a driving storm to make it advisable to take care of it on the inside. This is usually done by lining the inside wall with lath and plaster on vertical studs placed against the rough wall. This gives an air space which prevents any moisture from getting at the plaster or inside the house.

In the case of cut stone, only the facing stones are cut, and they are backed up for the remainder of the thickness by rougher stone or brick, the two banded securely together to make a solid wall. The inside plas-

ter is then applied on lining studs, as before.

The use of brick for the walls of dwelling houses is daily becoming more common. This is largely due to the fact that while the cost of brick work shows a tendency to decrease, the growing scarcity of lumber in this country is causing the frame house to rise steadily in cost, so that from year to year there is a nearer and nearer approach between the two materials. At the present time there is a difference of from 10 to 15 per cent. When we weigh the two methods against each other we shall see that they really approach even nearer. The substantial character of the brick, its enduring qualities; its freedom from deterioration and expense for up-keep; the fact that it is fireproof, together with its superior esthetic possibilities, must be set off against the perishable nature of the wood, both from fire and decay, the necessary expense of up-keep, its vulnerability against change of temperature and general ephemeral, not to say flimsy, appearance. One is not apt to think of this latter phase of the matter until he chances to come from a prolonged stay in any of those countries where the frame house is unknown and suddenly finds himself surrounded by these large wooden boxes. They seem extraordinary and anaemic after the masonry walls of the rest of the world.

The pressed brick wall of the Victorian era, with its colored mortar, has departed. It

was a smooth, characterless affair, of no texture or color, and has given place to the much more charming and sensible common brick. Of course, there is an infinite variety of kinds and a great many colors of common brick, and, to add to the variety of their wall surfaces, they may be laid in various bonds; the bond being the method of placing them in the wall. We may have each row of them laid showing first a side and then an end (the ends are often a different color from the sides), which is called Flemish bond; or we may lay several courses all sides, and then a course of nothing but ends. This is common bond. When the rows are laid alternately all headers and all stretchers it is called English bond. Then there is the more complicated English "cross bond," which makes an elaborate and beautiful pattern over the whole surface. Again, we may rake out the joints, and so by the increased shadow accent these, or we may color the mortar—though it is seldom successful, if it match the brick. We have other more elaborate bricks, the so-called "Tapestry," "Hytex" and "Rug" being examples of a rough brick with which very rich color effects may be obtained.

So much for the appearance of the wall. Looking beneath the skin we may find a variety of structure. We may have the solid brick wall backed on the inside with vertical wood strips, over which is the lath and plaster. The strips serve to form an air space

to keep the plaster away from the damp brickwork.

We may plaster directly on the brick inside if we make a hollow wall; i. e., a two-inch space inside the wall itself between the inside and outside brick, which hollow serves to stop moisture from getting through to the brick on which we have placed our plaster.

We must tie our two walls together in the same way, either with a spanning brick at intervals, or better, iron ties built into the joints as the wall goes up. Of late years it has become a common practice in building a twelve-inch wall to make the outside eight inches any desired brick, and the inside four, a hollow terra cotta brick bonded to the other to make a solid wall.

A cheaper form of wall that is a compromise between the frame wall and that of masonry is the brick veneer wall. In this method the studs are erected and boarded as for a shingle or clapboarded wall, but against this outside boarding is built a four-inch brick wall secured to the boarding behind by metal ties built into the brick joints as the wall goes up, and fastened to the boarding.

The commonest type of wall is the wooden stud, wall lathed and plastered on the inside and on the outside covered with one-inch boarding, and either shingles, siding, clapboards or plaster.

Of these walls, the clapboards are the cheapest, unless we are to consider the future cost of keeping them painted. The siding is about the same, and we may stain this if we like. The shingles, which are slightly more expensive, should also be stained, unless we elect to save again, and allow the weather to lay on its own stain with its wind and rain. Cypress shingles and red cedar are the best in this case. The claim made by certain stain workers that their stains act as a wood preservative have foundation, although its importance may be easily exaggerated. In no case should shingles be painted with lead and oil paint, as decay sets in much earlier.

If we are a little tired of the shingle wall as we see it around us, we may get a much better effect if we use the hand-split cypress shingle of the South. While these shingles are more expensive by the thousand, they are very much bigger and thicker, and we may lay them more to the weather, the 7 or 8-inch covering more surface than with our ordinary 16-inch shingle. For this reason, the cost is only slightly greater. The butts are seldom cut at right angles to the sides, so that when laid we have them giving us a broken line of shadow which is much richer and softer than the thin mechanical look of the other.

The plaster wall or, as it is sometimes called, "cement," or "concrete," may be done either over a frame wall, which is the most common, or over terra cotta blocks, which is the best.

The man who does not advertise is like the man who stops his watch to save time.—Exchange.

WIRING AN OLD HOUSE.

Wiring an old house for electricity is beautifully explained by the Trotter Electric Co., of Decatur, Ill., in artistic circular matter they have issued, which advertises also the Mazda light. In all modern houses electric wiring enters into the construction as certainly as the plumbing, but there are many old houses that were never wired and many of the owners of these are doing without electric lights because they fear the floors and walls will be spoiled by the workmen. It is shown in this literature that an old building may be successfully wired without leaving any trace of the work. Those persons who have been without electric lights do not know what they have been missing. From time to time improvements have been added to the old carbon light until now the Mazda in white glass appears to have reached the zenith of perfection. Manufacturers of the Mazda claim the use of the Mazda lamp greatly reduces the cost of electricity, which follows that their use is really an economy. After the light follows the many other conveniences through the use of electricity. The modern method of wiring a house provides for a curling iron for milady, a toaster, from which is secured crisp brown bread for the light breakfast. Then there is the plug to take care of the electric iron. This is called the temper sweetener, in-as-much as the housewife is not required to stand over a hot range, while smoothing the family wash. The more provident families have even installed the foot-warmer—the little heater that removes the chill from a comfortless room. Those that appreciate the luxury even make provision for a fan or two, and none are without the convenient switch boards.

SHOP FLOORS.

Floors of wood block do not disintegrate or pulverize into grit which injure the bearings of machines and where impregnated with creosote oil they have an antiseptic property which adds to their value from a sanitary point of view and further makes them free from the action of acids and oils and impervious to moisture. Floors of this material have the same advantage of noiselessness that wooden paved streets enjoy.

Sharp-edged tools are continually being dropped on factory floors, and in this way are often dulled and broken. Such is not the case with wood block flooring, because of its resiliency.

Factories which use the wood block flooring find that it has advantages when it is necessary temporarily to take up a portion of the floor in order to make repairs to underlying portion of the structure.

The ideal method of laying a wood block floor is to provide room for any possible expansion between each block. Specifications often call for a quarter-inch space left between the ends of each block to take care of this expansion element, but in actual practice it is often difficult to enforce its compliance.

One method of attaining proper spacing is the use of end lugs on the blocks which provide an automatic spacing between them, making it impossible for a workman to allow any closer spacing of the blocks than that which is called for in the specifications.—"Factory."

READ YOUR SPECIFICATIONS.

Every now and then we hear a contractor raising Cain because he got caught by a "tricky specification." Of course, he blames the architect. He himself is just as much at fault. He should read the specifications—once, twice and three times, and then have somebody else read them.

The trouble is he doesn't take the time to study them. He is anxious to submit his bid, and after the bid has gone in and he is awarded the contract at a figure much lower than the bids of his competitors, he wonders why. He goes back to the specifications and reads them more carefully, to discover a clause here and another clause there that mean dollars saved the owner and added expense for himself. Then the light breaks and he curses the owner, the architect and everybody else that had anything to do with the plans.

The other day we heard a sub-contractor ripping up a well-known architect for his "tricky contract form," as he called it. It seems there was a clause in the contract that he was to receive his pay thirty-five days after completion of the building. He read the contract "thirty-five days after completion of his work," which was the ornamental iron. He waited thirty-five days after finishing the job and then went to the architect for his money.

"Let's see your contract," demanded the architect.

The iron man handed it over.

"This says you shall be paid thirty-five days after the building has been finished and accepted," said the architect. "Come back again in a couple of months, and if the building is completed you will get your money."

Meanwhile the ornamental iron man has about \$1,500 tied up—money he needs very much to meet his pay-roll.—"San Francisco Architect and Engineer."

A DROP OF INK.

A drop of printer's ink
May make a thousand think.

A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

The chap who bags the glittering prize
Is the fellow who learns to advertise.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son,
11th and Ontario sts., Phila.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Flag Poles (wood and steel).

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co.,
Fidelity Bldg., Phila.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

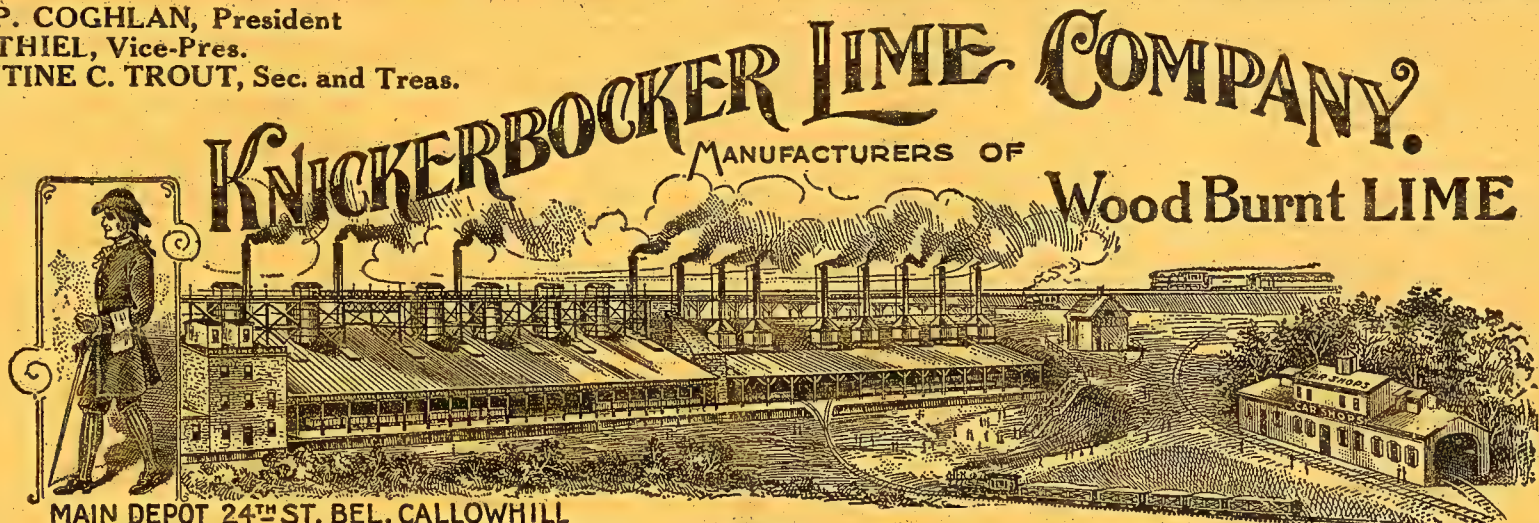
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
ALL AMERICAN
PORTLAND CEMENTS
GRAVEL

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design

Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.



THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 9.

PHILADELPHIA, WEDNESDAY, MARCH 3, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

Correspondence Solicited.

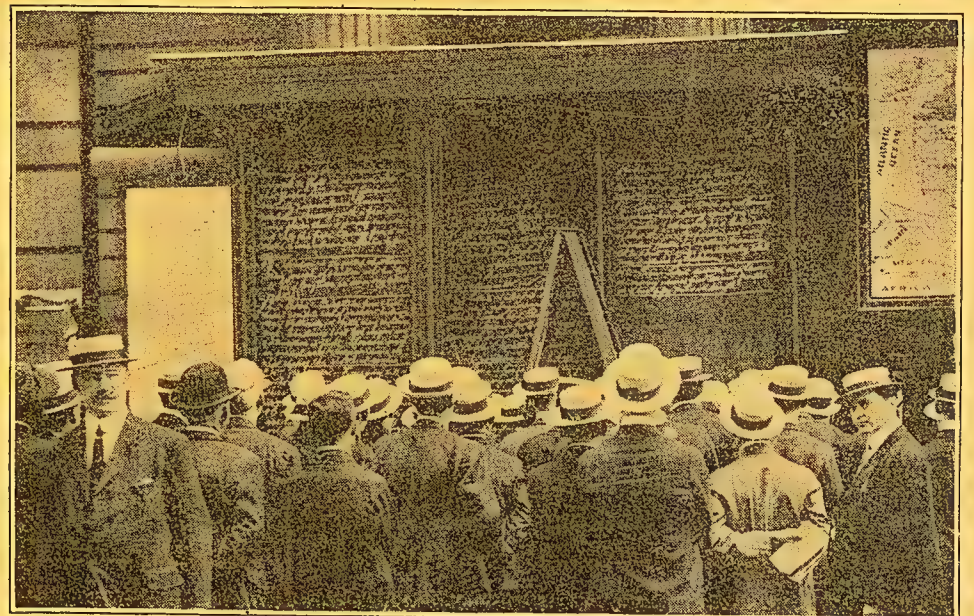
Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City

THE NATIONAL CEMENT



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

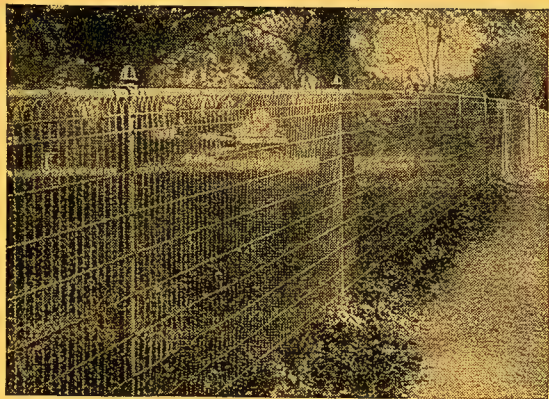
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

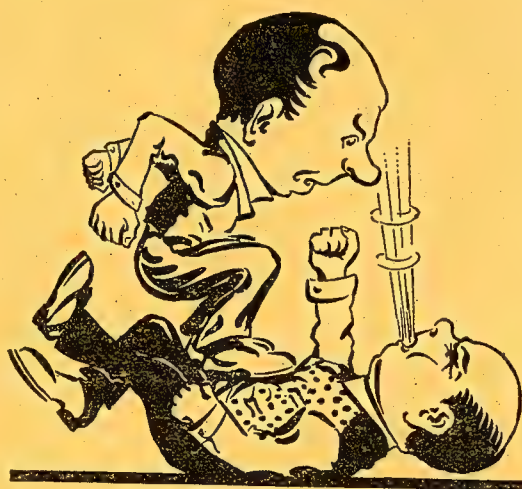
are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



“Get the Jump on Your Competitors”

Join the “Live Wires”

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

“DAILY BUILDING NEWS”

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges
Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges
64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.
The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work
1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

DESIGNS

DETAILS

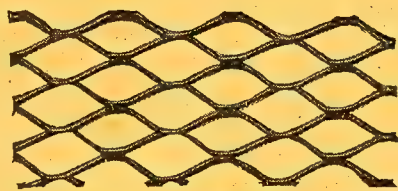
CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

“BILCO” Expanded Metal Lath



“Bilco” Diamond Mesh

is the highest grade metal lath. Par-
ticularly suited for lathing domes, cor-
nices, ceilings, etc.

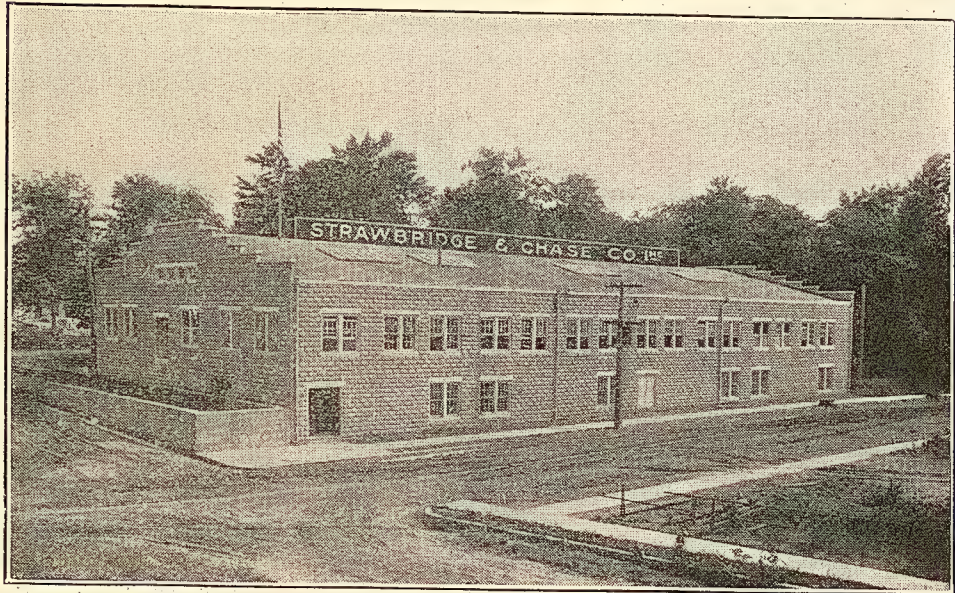
Made in sheets 24x96 in., 1 7-9 sq. yds.,
in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to
the bundle.

BUILDERS STEEL PRODUCTS CO.,

“Bilco” Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.



You'll find what you've been hoping for if you examine "F-S" Products.

It isn't every day that you happen on materials that give you just the desired results. In shingle staining you'll be tickled with every job, if you specify "Shinglekote." It gives a good finish and it's reliable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(111)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring

The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc., wherever a smooth, sanitary, fire and water-proof flooring is desired.

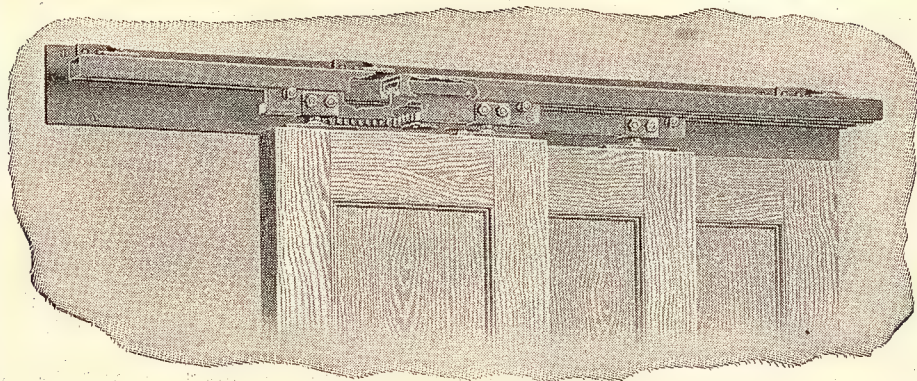
**Leatherfloor is the Best
Our Motto, "None Better"**

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



**IDEAL in Name and Action
"And Made in U. S. A."**

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

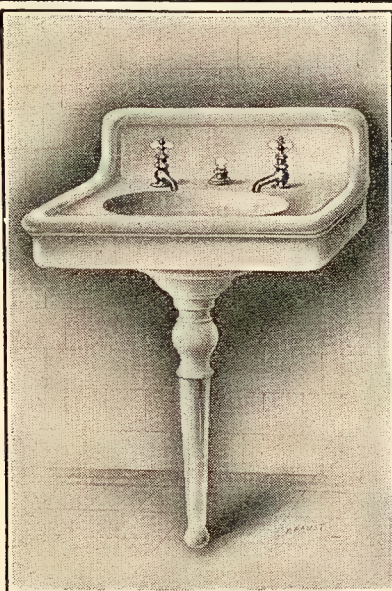


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Cata-
logue D.*

Specify "CAPOCO" Ware for your
Bath Rooms on particular work

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

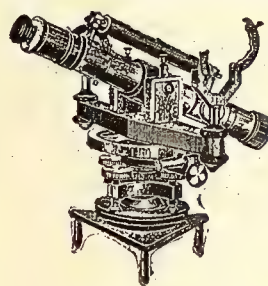
The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing

Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transits from \$15
to \$115.

Serviceable.

Durable. Will hold adjustments

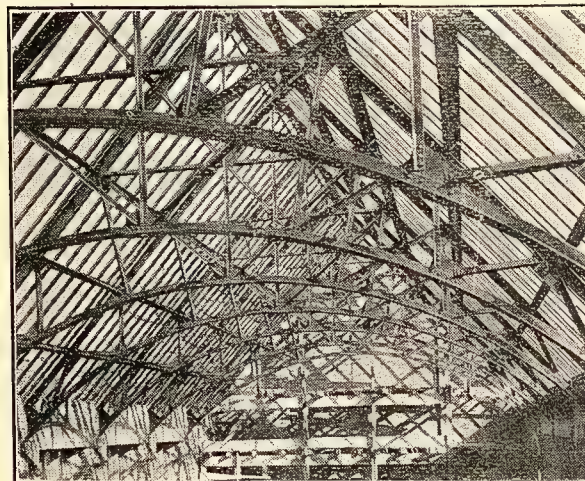


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



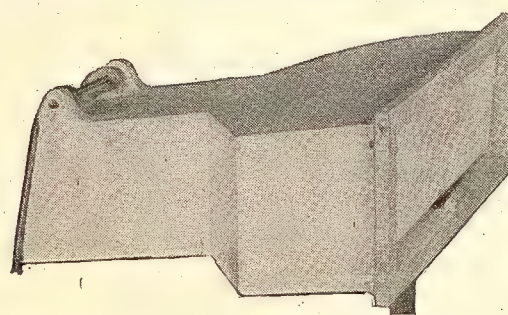
W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

WIND SHIELD Underwriters Scuppers in
warehouses, factories, lofts and mercantile buildings will reduce
Insurance Premiums on merchandise, machinery, etc.



(Patented)

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-69

WIND SHIELD Scupper
has a shield to prevent
drafts from entering the
building.

Specified by leading archi-
tects and engineers
throughout the United
States.

Write for catalog and copy
of letter from Insurance
Rating Office.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 9.

PHILADELPHIA, WEDNESDAY, MARCH 3, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Saloon (new front), 1512 Market street, Philadelphia. Architect, private plans. Owner, N. L. Van Dome, on premises. Consists of new front, painting, mill work, tile work, copper roof. Owner taking sub-bids, due March 1st.

Residence (alt. and add.), 2043 Locust st., Philadelphia. Architect, Louis C. Baker, 34 South Seventeenth street, Philadelphia. Owner, J. C. Wallace, Drexel Building, Philadelphia. Brick and stone, 4 stories. Plans in progress.

Residences (48), Sixty-second and Washington avenue, Philadelphia. Architect, private plans. Owner, Clarence R. Siegel, Forty-sixth and Larchwood avenue, Philadelphia. Brick and plaster, 2½ stories, 16x56 feet, slag and tile roof, electric lighting, hot water heating, hardwood floors; garage, 1 story, concrete, 10x18 feet, slag roof, electric lighting. Owner taking sub-bids.

Residences (36), Sixty-first and Carpenter streets, Philadelphia. Architect, private plans. Owner, Clarence R. Siegel, Forty-sixth and Larchwood avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, electric lighting, hot water heating, hardwood floors. Owner taking sub-bids.

Residence (alt. and add.), Cheltenham avenue and East York road, Philadelphia. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Robert Forrester, on premises. Stone, 2½ stories addition, 18x14 feet, slate roof, oak floors, electric lighting (hot water heating reserved). Architects taking bids, due March 5th. The following are figuring: Spect & Sperry, Heed Building; Smith-Hardican Co., 1606 Cherry street; W. A. Johnson, 3115 North Twenty-sixth street; Robert Strunk, 6035 York road; John Ashton, 316 Grange street, Olney, Philadelphia.

Bridge and Approaches, South Broad street, Philadelphia. Architect and engineer, George S. Webster, City Hall, Philadelphia. Owners, Department of Public Works, City Hall, Philadelphia. Steel and concrete, 350 feet long, 105 feet wide. Lowest bid submitted by Arthur McMullen Co., 149 Broadway, New York City, \$237,600.

Residence, Oak Lane, Philadelphia. Archi-

tect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, J. Harris Tyre, 6716 North Eighth street, Philadelphia. Hollow tile and plaster, 2½ stories, 24x34 feet, shingle roof, vapor vacuum heating, electric lighting, hardwood floors. Architect taking bids, due March 3rd. The following are figuring: Thomas C. Trafford, 1613 Sansom street; A. Raymond Raff, 1625 Thompson street; Joseph Bird Co., 213 North Eleventh street; W. J. Gruhler, 219 East High street; Mitchell Bros., 2125 Race street; W. John Stevens, Wyncote, Pa.; Jacob Myers & Sons Co., Witherspoon Building; J. H. Dagney, Sixty-ninth street and York road; C. L. Hemmerly, Oak Lane, Philadelphia.

School (add.), Second and Wolf streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Stone, 3 stories, slag roof. Owners taking bids, due March 8th. Abel Bottoms & Sons Co., 41 South Fifteenth street, Philadelphia, is figuring.

School (add.), Sixty-third and Elmwood avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Stone and brick, 3 stories, slag roof (heating and lighting reserved), metal ceilings, metal lath, metal frame and sash. Owners taking bids, due March 8th. Abel Bottoms & Sons Co., 41 South Fifteenth street, Philadelphia, is figuring.

School, Fifty-sixth and Kingsessing avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick and stone, fireproof, 3 stories, 100x275 feet, slag roof, metal lath, waterproofing, safety treads (heating, lighting and plumbing separate bids), metal frames and sash. Owners taking bids, due March 8th. Abel Bottoms & Sons Co., 41 South Fifteenth street, Philadelphia, is figuring.

Convent, Eleventh and Master streets, Philadelphia. Architect, Henry D. Dagit, 411 Walnut street, Philadelphia. Owner, St. Malachi's R. C. Church, care of Rev. Fenton J. Fitzpatrick, 1429 North Eleventh street,

Philadelphia. Brick and stone, 3 stories, 58x100 feet, slag and tile roof, electric lighting (plumbing and heating reserved). Architect has received bids.

Saloon and Dwelling, Levering and Cresson streets, Philadelphia. Architect, private plans. Owner, George W. Metzler, 4404 Cresson street, Philadelphia. Stone and plaster, 3 stories, 24x40 feet, slag roof, electric lighting (tile floors reserved, heating and plumbing reserved). Owner has received bids.

Residences (156), Fourth, Fifth, Porter to Ritner streets, Philadelphia. Owners, Levick & Waldow, 1829 South Seventh street, Philadelphia. Brick, 2 and 3 stories, 14x45 feet, 16x35 feet, slag roof, electric lighting, hot water heating, hardwood floors. Plans in progress. Owners will take sub-bids in a few days.

Store and Residence, Twenty-first and Winter streets, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, John Franey, 118 North Twenty-first street, Philadelphia. Brick, 3 stories, 24x50 feet, slag roof, electric lighting, vapor vacuum heating. Plans in progress.

Store and Loft Building, 210 South Thirteenth street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owners, J. K. Davison & Sons, 718 Sansom street, Philadelphia. Brick and concrete, 4 stories, 25x100 feet, slag roof, steam heating, electric lighting. Plans about completed. Architect ready for bids in one week.

Bank, Passyunk avenue and Bainbridge streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Penn State Bank, care of Herman Loeb, President, City Hall, Philadelphia. Brick and stone, 1 story, 30x75 feet. Plans about completed. Architect will take bids in about one week.

Apartment House, Falls of Schuylkill, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Estate of E. Weiss, Falls of Schuylkill, Philadelphia. Brick, 2 stories, 41x75 feet, slag roof, electric lighting, steam heating, hardwood floors, metal lath. Architect taking bids, due March 5th. The following are figuring: George L.

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

Made on TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



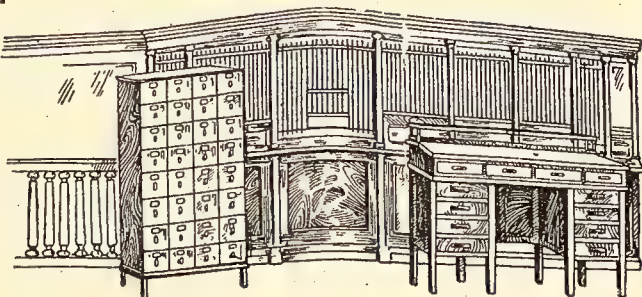
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

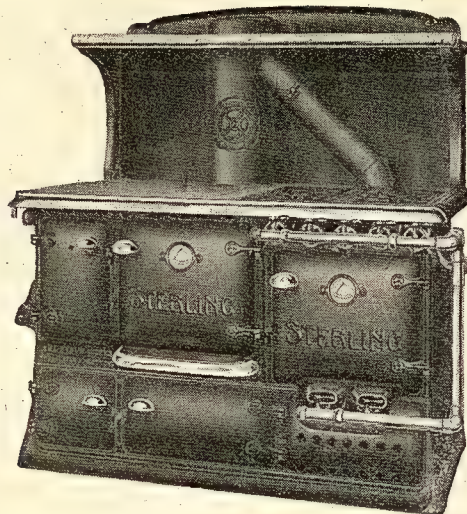
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Sipps, 912 Locust street; George Hogg, 1634 Sansom street; A. Whitehead, Inc., 1624 Latimer street; Fred Quate, 1323 Snyder avenue, Philadelphia.

Club House (alt. and add.), Chestnut Hill, Philadelphia. Architect, Robert W. Pollock, 1802 Chestnut street. Owners, Whitmarsh Country Club, Chestnut Hill, Pa. Stone, 3 stories, consists of alteration and addition to second and third floors, marble work, lockers, plumbing. Architect taking bids, due March 6th. The following are figuring: J. Sims Wilson, 1125 Brown street; H. H. Burrell, 206 South Camac street; Supplee Const. Co., Bulletin Building; W. J. Gruhler, 219 East High street, all of Philadelphia.

Bath House, Theatre and Residences (4), Thirty-first and Wilt streets, \$100,000. Architects, B. J. Medoff & Sons, 524 Walnut street, Philadelphia. Owners, Joseph Fisher and M. Lessey, 722 Sansom street, Philadelphia. Brick and steel, fireproof, 2 and 3 stories, 92x130 feet, slag roof, hot water heating, electric lighting, oak floors, metal lath, waterproofing, enamel brick, swimming pool, metal frames and sash. Architect taking revised bids, due March 5th. The following are figuring: William R. Dougherty, 1610 Sansom street; F. Roe Searing, Perry Building; Cramp & Co., Denckla Building; Jacob Gorchov, 317 Reed street; Samuel Schultz, 3113 Montgomery avenue; S. Bannett & Sons, Drexel Building; Lam Building Co., 1001 Wood street; Samuel Lashner, Fifth and Morris streets; Fred Quate, 1323 Snyder avenue; Bailey-Lush

Co., 201 North Broad street; F. A. Havens Co., 845 North Nineteenth street; Turner Concrete Steel Co., 1713 Sansom street; Freund-Seidenbach Co., Bulletin Building; I. T. Shoemaker, 1309 Walnut street; E. J. Kreitzburg, 1345 Arch street; William Linker, Heed Building, all of Philadelphia.

Club House (add. and alt.), Chestnut Hill, Philadelphia. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, Whitmarsh Country Club, Chestnut Hill, Philadelphia. Stone, 3 stories, consists of alteration and addition to second and third floors, marble work, lockers and plumbing work. Architect taking bids, due March 6th. In addition to those previously reported, Thomas C. Trafford, 1613 Sansom street, is figuring.

Manufacturing Building, Tacony and Lewis streets, Philadelphia. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, William & Harvey Rowland, on premises. Brick and concrete, 1 story, 49x275 feet, slate and slag roof, metal frames and sash. Architects taking bids, due March 15th. The following are figuring: Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; H. E. Baton, Twelfth and Sansom streets; William R. Dougherty, 1610 Sansom street; A. Whitehead, 1624 Latimer street; H. H. Burrell, 206 South Camac street; R. C. Ballinger Co., 218 North Thirteenth street; Ketcham & McQuade, 1029 Brown street; F. L. Hoover & Sons Co., 1023 Cherry street; W. R. Brown, 2145 East Fifth street, all of Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Inn, Thirteenth and Ridge avenue, Philadelphia, \$17,000. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owner, John F. Betz Estate, 415 Callowhill street, Philadelphia. Brick, 3 stories, 105x57 feet, slag roof, steam heating, electric lighting, tile work. Contract awarded to Burd P. Evans Co., Thirteenth and Wallace streets, Philadelphia.

Restaurant, 1030 Filbert street, Philadelphia. Architect, Charles W. Denny, Hale Building, Philadelphia. Owner, William

Koch, 249 South Eleventh street, Philadelphia. Brick and concrete, 2 stories, 18x76 feet, slag roof, hot water heating, electric lighting. Contract awarded to Harrison C. Rea Co., 1027 Wood street, Philadelphia.

Factory (add.), 1617 to 1623 Melon street, Philadelphia, \$20,000. Architect, Werner Trumbower, Crozer Building, Philadelphia. Owner, A. F. Bornot & Bros., Seventeenth and Fairmount avenue, Philadelphia. Brick, concrete floors, 3 stories, 53x56 feet, slag roof (steam heating, electric lighting and plumb-

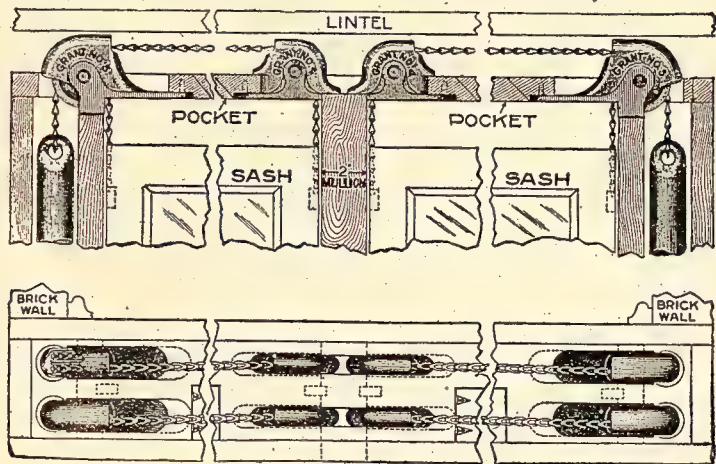
UNITAS TILING

A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.
Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

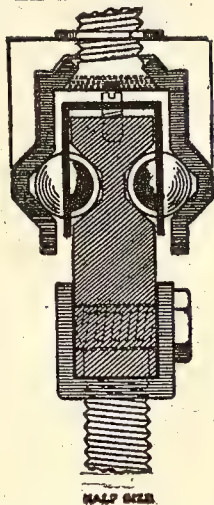
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

ing separate bids). Contract awarded to H. H. Wehmeyer, 1004 West Lehigh avenue, Philadelphia.

Garage, Girard avenue and Felton street, Philadelphia, \$12,000. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, William T. Wallace, 1327 South Fifty-seventh street, Philadelphia. Brick, 1 story, 100x125 feet, slag roof, steam heating, fireproofing, electric lighting. Contract awarded to T. Esbiornson, 1700 North Sixtieth street, Philadelphia.

Residence, Germantown, Philadelphia. Architects, Rankin, Kellogg & Crane, 1012 Chestnut street, Philadelphia. Owner, Dr. G. Chapin Jenkins, 6406 Germantown avenue, Philadelphia. Stone, 2½ stories, 34x47 feet, slate roof, electric lighting, hot water heating, hardwood floors. Contract awarded to Geo. A. Sorber & Sons, 18 Harvey street, Germantown, Pa.

Storage Building, Vodges and Arch streets, Philadelphia, \$10,000. Architect, private plans. Owner, J. M. Kennedy, Jr., Mutual Life Building, Philadelphia. Brick, 2 stories, 50x100 feet, slag roof. Contract awarded to J. D. Killen, 501 North Sixty-fifth street, Philadelphia.

Boiler House, Somerset and Tulip streets, Philadelphia, \$2,000. Architect, private plans. Owners, J. D. Groves & Sons, Somerset and Tulip streets, Philadelphia. Brick, 1 story, 18x51 feet, slag roof. Contract awarded to S. G. Matthews Co., 916 North Ninth street, Philadelphia.

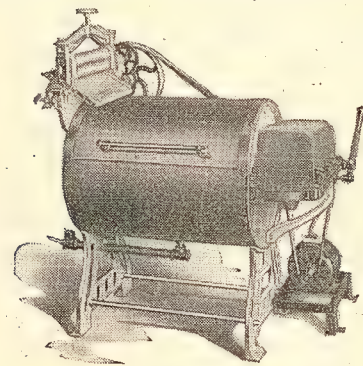
Maternity Hospital (add.), Thirty-sixth and Spruce streets, Philadelphia. Architects, Broekie & Hastings, 1713 Sansom street, Philadelphia. Owners, University of Pennsylvania Hospital, on premises. Brick, stone, fireproof, 3 stories and basement, 43x106 feet, slag roof, tile floors, metal lath, waterproofing and dampproofing, safety treads, metal doors and trimmings, metal frames and sash, iron stairs and fences (heating and lighting reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Stable, 1222 Belmont avenue, Philadelphia, \$1,800. Architect, private plans. Owners, Union Ice Co., 1324 Belmont avenue, Philadelphia. Brick, 1 story, 44x47 feet, slag roof. Contract awarded to William Linker Co., Heed Building, Philadelphia.

Residence (alt. and add.), 2307 North Park avenue, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, H. L. Becker, 908 Chestnut street, Philadelphia. Brick, 3 stories, oak floors (heating and lighting reserved). Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Store and Apartments, Seventh and Mercy streets, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owners, Milgram Bros., 1802 South Sixth street, Philadelphia. Brick, 3 stories, 16x56 feet, slag roof, electric lighting, hot water heating. Contract awarded to N. Litman, 2332 South Tenth street, Philadelphia.

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

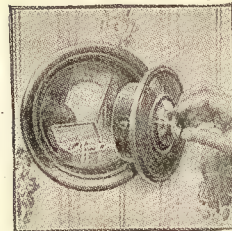
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG,
PHILADELPHIA, PA.



MEILINK WALL SAFES

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.



PENNSYLVANIA

Construction News

Office Building, Scranton, Pa., \$400,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owners, Scranton Life Insurance Co., Connell Building, Scranton, Pa. Brick, granite, terra cotta and steel, fireproof, 8 stories, 45x143 feet and 45x88 feet, slag roof, steam heating, dampproofing, waterproofing, elevators, electric lighting, metal lath. Plans in progress.

Theatre and Office Building, Wilkes-Barre, Pa., \$125,000. Architects, Leon H. Lampert

& Son, Cutler Building, Rochester, N. Y. Owners, Savoy Amusement Co., care of F. W. Herman, Wilkes-Barre, Pa. Brick, stone and steel, 3 stories, 60x200 feet, slag roof, steam heating, electric lighting, marble work. Plans in progress.

School Building, Archbald, Pa., \$15,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, School Board of Archbald Township, Archbald, Pa. Frame, 2 stories, 40x60 feet, slate roof, steam heating,

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

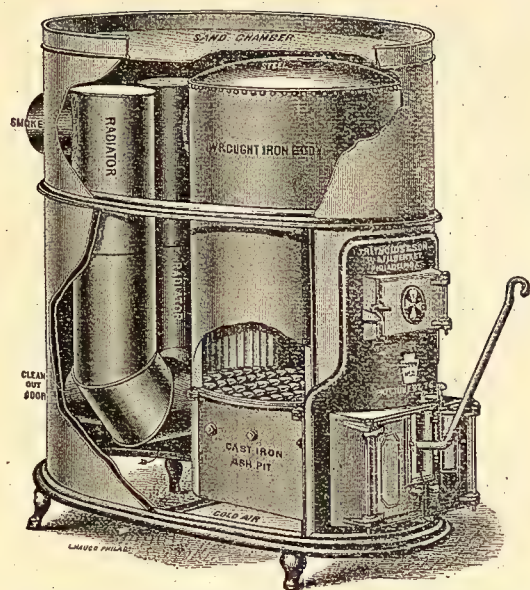
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON

Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION.**

Turner Concrete Steel Company

• SPEED AND SATISFACTION

1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

electric lighting, slate blackboards. Plans in progress.

Drill Tower, Wilkes-Barre, Pa., \$5,000. Architect, private plans. Owners, City of Wilkes-Barre, Fire Department, City Hall. Concrete, steel and brick, 5 stories, 14x14 feet, concrete floors, iron fire escapes. Owners have received bids.

Penitentiary, near Bellefonte, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, State of Pennsylvania, Western Penitentiary. Stone, brick, steel and concrete, 2 stories, 146x206 feet. Building will contain chapel, auditorium, dining hall, kitchen, bakery, cold storage plant, library and printing offices, composition roof (metal lath, waterproofing, safety treads, electric elevators, heating and lighting reserved). Architect taking revised sub-bids, due March 3rd, on sheet metal, roofing and wrought iron work. Plans can be seen at the Builders' Exchange, Philadelphia.

Club House, Scranton, Pa., \$50,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owners, Young Men's Hebrew Association, 440 Wyoming avenue, Scranton, Pa. Brick and stone, 3½ stories, 70x96 feet, slag roof, steam heating, gas and electric lighting, hardwood floors, tile work, metal lath, waterproofing and dampproofing, metal lockers. Edward A. Fuller, 1616 Dickson avenue, Scranton, Pa., submitted the lowest bid and will probably receive contract.

Residence, Radnor, Pa., \$75,000. Architect, Charles A. Platt, 11 East Twenty-fourth street, New York City. Owner, A. J. Drexel Paul, Rosemont, Pa. Stone and plaster, 2½ stories, 75x100 feet, shingle roof, electric lighting, hardwood floors. Plans about completed. Architect will take bids shortly.

Residence (alt. and add.), Langhorne, Pa. Architect, Harry G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, John M. Patterson, Langhorne, Pa. Stone, 2½ stories, 30x40 feet, shingle roof (heating, plumbing and electric work reserved by architect). Architect taking revised bids, due March 3rd. E. E. Hollenback, Fifteenth and Race streets, and J. T. Taylor, Langhorne, Pa., are figuring.

High School, Bethlehem, Pa., \$175,000. Architects (associated), A. W. Leh, South Bethlehem, Pa., and Neff & Thames, Heed Building, Philadelphia. Owners, Board of Education, Bethlehem, Pa. Brick, stone and steel, fireproof, 3 stories, 131x160 feet, composition roof, electric lighting, mechanical system of heating and ventilating, slate blackboards, metal lath, safety treads. Plans in progress. Owners will take bids in about one month.

School, Coatesville, Pa., \$110,000. Archi-

tect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Coatesville, Pa. Brick, fireproof, 3 stories, 136x138 feet, slate or slag roof (heating, lighting and plumbing reserved), safety treads, metal lath, weather strips. Plans completed. Owners taking bids, due March 16th. Plans can be obtained from architect upon a deposit of \$25.00.

Residence (add.), Bethayres, Pa., \$20,000. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, Hollingshead N. Taylor, Fourth and Chestnut streets, Philadelphia. Stone, 2½ stories, 30x50 feet, slate roof, electric lighting (heating reserved). Revised plans in progress.

Sanitarium, Lansdale, Pa., \$15,000. Architects, Conner & Slifer, Lansdale, Pa. Owner, Dr. Ruth Maher, Lansdale, Pa. Hollow tile and stucco, 2½ stories, 90x32 feet, slate roof, trunk lift, composition floors, electric lighting (steam heating and plumbing reserved), iron balconies. Architects have received bids.

Automobile Show Rooms, Penn avenue and Whitfield street, Pittsburgh, Pa. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Henry A. Laughlin, West Chestnut avenue, Chestnut Hill, Philadelphia. Brick, terra cotta and steel, 2 stories, 100x131 feet, slag roof, steam heating, electric lighting, 4 elevators. Architect taking revised bids.

Masonic Temple, Wilkes-Barre, Pa., \$75,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owner, Masonic Temple, H. N. Rust, chairman Building Committee, Masonic Temple, Wilkes-Barre, Pa. Brick, terra cotta and steel, fireproof, 5 stories, 54x120 feet, slag roof, concrete fireproofing, dampproofing and waterproofing, marble and tile work, kalamein doors, composition floors, safety treads, vacuum cleaning, electric elevator, ornamental iron work, vacuum cleaning system (direct and indirect steam heating, electric work and plumbing separate bids). Architects taking bids, due March 13th at 2 P. M. The following are figuring: Charles McCaul Co., 1713 Sansom street; Roydhouse-Arey Co., Fidelity Building; William Steele & Sons Co., 1600 Arch street, all of Philadelphia; I. M. Leach, Jr., E. T. Long & Co., John Curtis & Co., Shepherd Construction Co., Walborn & Barney, Kehoe & Mowery, all of Wilkes-Barre, Pa., and Ambrose B. Stannard, Fifty-eighth and Broadway, New York City.

Twin Residence, Glenside, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner's name withheld. Brick, 2½ stories, 32x50 feet, shingle roof,

LIGHTING FIXTURES

In our show rooms you will find a complete line of **LIGHTING FIXTURES**

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.

Barrett Specification Roofs

Investigate Roofing Claims!

GRAVEL and slag roofs laid along the lines of The Barrett Specification cover most of the first-class buildings of the country, because the experience of more than 60 years has proven that—

1st—They last longer than any other kind.

2nd—There is no painting, coating or similar maintenance cost.

3rd—Their unit cost per year of service is lower than any other.

Claims regarding roofings should be met with this question: "How many

can you refer to who have used say 500 squares of your roofing on a comparatively flat surface for 10 years and bought more?"

Then investigate such claims.

We can supply hundreds of names for this purpose.

Exaggerated statements sometimes sell roofing, because the principles of Barrett Specification Roofs are not well known to the purchaser. Once he understands the long service they give, and the low unit cost, he will have no other kind.

Copies of The Barrett Specification free on request

Special Note: We advise incorporating in plans the full wording of The Barrett Specification in order to avoid any misunderstanding. If any abbreviated form is desired however, the following is suggested.

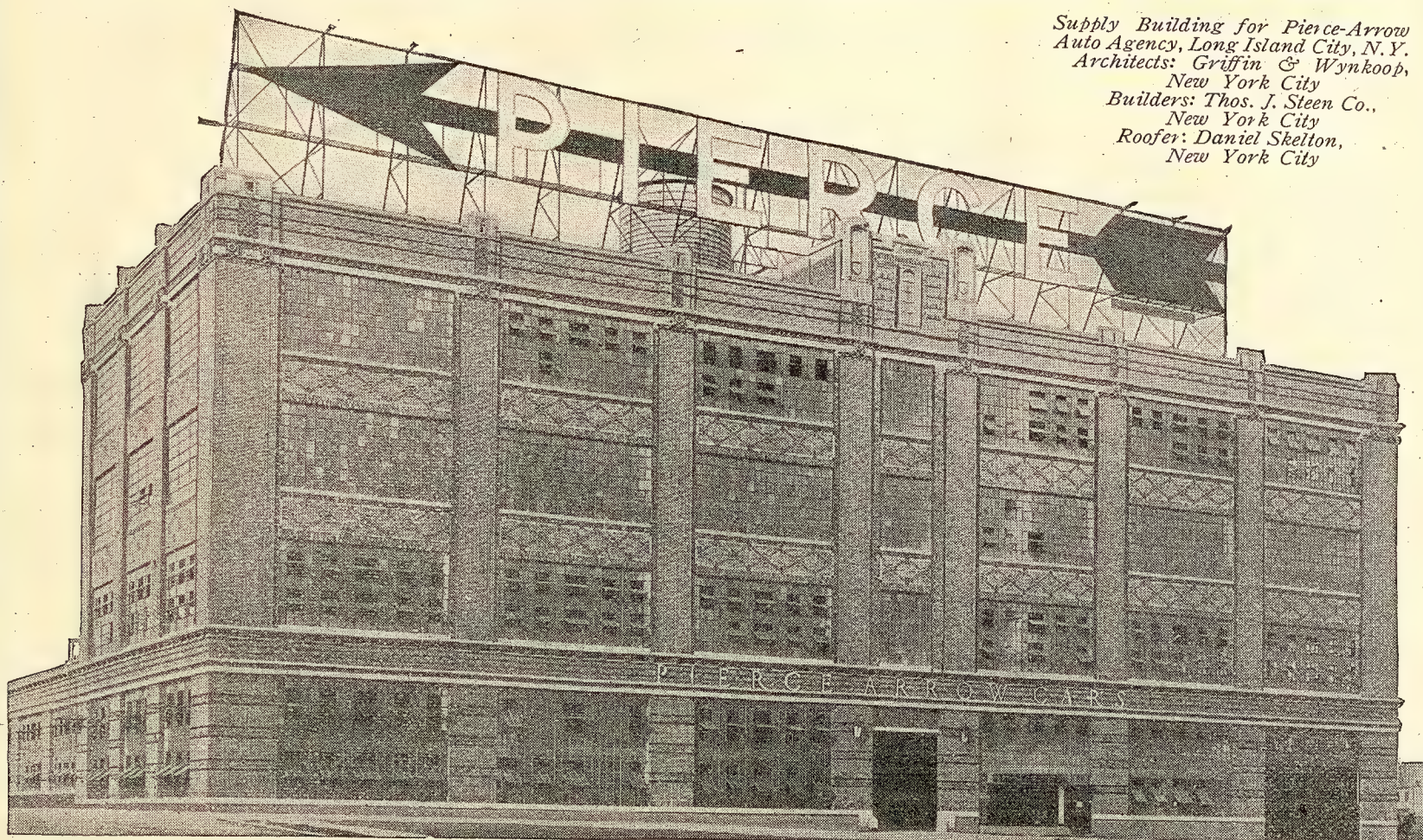
Roofing—Shall be a Barrett Specification Roof, laid as directed in printed Specification, revised August 15, 1911, using the material specified and subject to the inspection requirements.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati
Pittsburgh Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle
THE PATERSON MFG CO., Ltd.: Montreal, Toronto, Winnipeg, Vancouver, St. John, N. B., Halifax, N. S., Sydney, N. S.



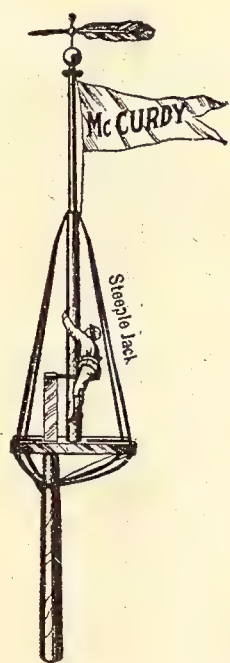
*Supply Building for Pierce-Arrow
Auto Agency, Long Island City, N. Y.
Architects: Griffin & Wynkoop,
New York City
Builders: Thos. J. Steen Co.,
New York City
Roofer: Daniel Skelton,
New York City*



"Windustite" Metal Weather Strips

Save Fuel. Keep out Dust.
Afford Protection against Drafts.
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.
S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue Philadelphia, Pa.



FLAG POLES and Fittings

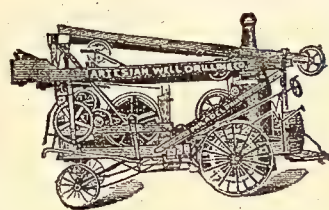
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
114 N. 2nd St., Phila.

electric lighting, hot water heating. Plans in progress. Bids in about ten days.

Residence and Garage, Drexel Hill, Pa. Architect, Harry Koch, Drexel Hill, Philadelphia. Owner, E. P. Artman, 624 Arch street, Philadelphia. Stone, 2½ stories, 29x48 feet, garage, 1 story, 18x20 feet, slate roof, electric lighting, hot water heating, hardwood floors. Owner has received bids.

Church, Erie, Pa. Architect, W. P. Ginther, Akron, Ohio. Owner, St. Andrew's R. C. Church, Erie, Pa. Stone, 1 story and basement, 77x153 feet, slate roof, electric lighting, steam heating. Architect has received bids.

Residences (17), Bryn Mawr, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Richard Kilday, Rosemont, Pa. Brick, 2 stories, slag roof, hot air heating, gas lighting. Owner taking bids. Philip S. Davis, Bryn Mawr, Pa., is figuring.

Bungalow, Melrose, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, T. H. Brown, care of architects. Hollow tile and plaster, 1½ stories, slate roof, vapor heating, hardwood floors, tile work, electric lighting. Plans in progress.

Garage, Bristol, Pa., \$5,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owner, William E. Doron, Bristol, Pa. Brick and concrete, 2 stories, 32x85 feet, slag roof, hot water heating, electric lighting, concrete floors. Architect taking bids.

School, West Reading, Pa., \$50,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, School Board, West Reading, Pa. Brick, 2½ stories, 163x43 feet and 44x70 feet, composition roof, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due March 15th. The following are figuring: J. B. Trexler, George A. Koch, both of Reading, Pa.; Charles H. Schlegel, Mt. Penn, Reading, Pa.; Daniel B. Warner, Hyde Park, Pa.

Church (alt. and add.), Kutztown, Pa., \$12,000. Architect, private plans. Owner, Trinity Lutheran Church, Kutztown, Pa. Brick, 2 stories, 63x64 feet, slate and tin roof, steam heating, electric lighting, metal lath, rolling partitions. Owners ready for bids.

Factory (rebuilding), Reading, Pa., \$10,000. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owners, Yocum Bros., Seventh and Walnut streets, Reading, Pa. Brick, 5 stories, 60x64 feet, slag roof, steam heating, electric lighting. Owners are taking sub-bids.

Garage, Latham Park, Pa. Architect, P. J. Kluges, 1012 Walnut street, Philadelphia.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

Owner's name withheld. Stone, 1½ stories, 25x36 feet, slate roof, hot water heating, electric lighting. Plans in progress. Architect will take bids in two weeks.

Convent Building, West Conshohocken, Pa. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owner, St. Gertrude's R. C. Church, West Conshohocken, Pa. Brick and stone, 3 stories, 35x60 feet, slate roof (heating and lighting reserved). Plans in progress. Bids in about two weeks.

Residences (2), Norwood, Pa. Architect, private plans. Owner, C. S. Gibbon, Norwood, Pa. Hollow tile and plaster, 2½ stories, 38x40 feet, slate roof, electric lighting, hot water heating, hardwood floors. Builder, Supplee Const. Co., Bulletin Building, Philadelphia, is taking sub-bids.

Residences (2), Lansdale, Pa. Architect, private plans. Owner, Eugene H. Clifton, Lansdale, Pa. Frame, 2½ stories, 32x35 feet, shingle roof, hot air heating, electric lighting. Builder, Supplee Const. Co., Bulletin Building, Philadelphia, is taking sub-bids.

Residence, Swarthmore, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Dr. William A. Jaquette, Flanders Building, Philadelphia. Hollow tile and plaster, 2½ stories, 22x43 feet, wing 24x16 feet, shingle roof, electric lighting, warm air heating, hardwood floors. Architect taking bids, due March 5th. The following are figuring: E. J. Hedden, Finance Building, Pomeroy Const. Co., 1609 Ransstead street; J. B. Folunders, 1329 Arch street; F. B. Davis, 240 North Sixteenth street; F. J. Kreitzburg, 1345 Arch street; J. W. Neckert, Ridley Park, Pa.; J. D. Durnell, Swarthmore, Pa.

Building (alt. and add for 2 residences), Spring House, Pa. Architect, private plans. Owner, Eugene H. Clifton, Lansdale, Pa. Stone, 2½ stories, slate roof, hardwood floors (heating and lighting reserved). Builder, Supplee Const. Co., Bulletin Building, Philadelphia, are taking sub-bids.

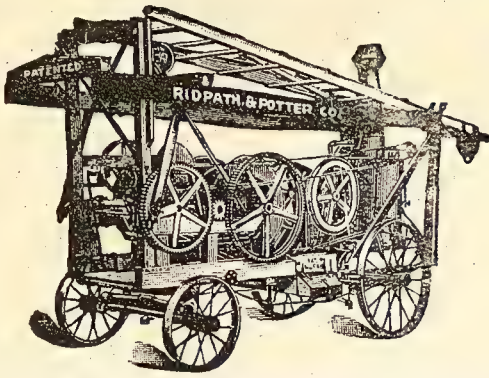
Pennsylvania Contracts Awarded

Store Building (alt. and add.), Wilkes-Barre, Pa., \$35,000. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre, Pa. Owner, Derr Estate, Wilkes-Barre, Pa. Brick and terra cotta, 5 stories, 115x47 feet, slag roof, steam heating, electric lighting, tile work. Contract awarded

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG. YORK : PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

to Shepherd Construction Co., Miners' Bank Building, Wilkes-Barre, Pa.

Rectory, Kingston, Pa., \$16,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner, St. Ignatius R. C. Church, Kingston, Pa. Brick and stucco, 3 stories, 44x54 feet, tile roof, steam heating, gas and electric lighting, hardwood floors, tile work, metal lath. Contract awarded to Williams & Kelly, Kingston, Pa.

Automobile Factory, Scranton, Pa., \$50,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owners, Motor Kart Co., care of G. C. Wolf, Hotel Jermyn, Scranton, Pa. Concrete, 2 stories, 60x300 feet, slag roof, steam heating, electric lighting, wood blocks and concrete floors. Contract awarded to Parsons Construction Co., Scranton, Pa.

Factory, Wilkes-Barre, Pa., \$4,000. Architect, Henry A. Maier, Wilkes-Barre, Pa. Owner, Louis Cohen, 171 Race street, Wilkes-Barre, Pa. Brick, 2½ stories, 30x50 feet, slag roof, steam heating, electric lighting. Contract awarded to Walborn & Barney, 175 Race street, Wilkes-Barre, Pa.

High School, Kennett Square, Pa., \$26,000. Architect, Clyde S. Adams, 1509 Arch street,

Philadelphia. Owners, Board of Education, Kennett Square, Pa. Brick, 2 stories, 55x115 feet, slate roof. Contract awarded to Paul Lannum, Kennett Square, Pa.

Power House, Glen Riddle, Pa., \$5,000. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, Estate of Daniel Lees, Glen Riddle, Pa. Brick and concrete, 1 story, 50x34 feet, slag roof, metal sash, steel curtains. Contract awarded to H. E. Batou, Twelfth and Sansom streets, Philadelphia.

Residence (alt. and add.), Rosemont, Pa., \$6,500. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, Robert K. Cassatt, Rosemont, Pa. Consists of interior alteration, painting, plastering, mill work and plumbing. Contract awarded to F. E. Wallace, 1210 Sansom street, Philadelphia.

Residence and Garage, Conshohocken, Pa., \$15,000. Architect, private plans. Owner, J. Ellwood Lee, Jr., Conshohocken, Pa. Stone, 2½ stories, 50x75 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Frank R. Heavner, Norristown, Pa., who is taking sub-bids.

NEW JERSEY Construction News

Store and Residence, 1574 Mt. Ephraim avenue, Camden, N. J. Architect, private plans. Owner, M. Stanislaw, 1401 South Tenth street, Camden, N. J. Brick, 2 stories, 20x75 feet, slag roof, hot air heating, gas and electric lighting. Owner taking sub-bids.

Residences (2), 1232-34 Chase street, Camden, N. J. Architect, private plans. Owner, L. Grabszyki, 1112 Morton street, Camden, N. J. Brick, 2 stories, 14x43 feet each, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Residences (3), 1165 Whitman avenue, Camden, N. J. Architect, private plans. Owner, W. Panratowski, 1171 Whitman avenue, Camden. Brick, 2 stories, 14x39 feet each, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Residences (7), Chase street, Camden, N. J. Architect, private plans. Owner, M. Stanislaw, 1401 South Tenth street, Camden. Brick, 2 stories, 15x45 feet each, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

High School, Haddon avenue, Camden, N. J., \$400,000. Architect, not yet selected. Owners, Board of Education, Camden, N. J. Brick, steel and concrete, fireproof, 4 stories. Architect will soon be selected.

Residence, Ventnor, N. J. Architects, Hoffman Co., Juniper and Market streets, Philadelphia. Owner, George H. Earle, Jr., Real Estate Trust Building, Philadelphia. Brick and frame, 2½ stories, slate roof, electric lighting. Plans in progress.

Psychopathic Building, Trenton, N. J., \$50,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owner, State Hos-

pital of New Jersey, Trenton, N. J. Stone and reinforced concrete, 5 stories, 46x92 feet, slag and tile roof, steam heating, electric lighting, steel sash, elevator, ornamental iron, composition floors. Plans in progress.

Nurses' Cottage, Skillman, N. J., \$20,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owner, New Jersey State Hospital for Epileptics, Skillman, N. J. Brick and frame, 2 stories, 30x80 feet, slate roof, steam heating, electric lighting. Plans in progress.

Picture Theatre, Lambertville, N. J., \$6,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton, N. J. Owners, Hindinger & Papier, Lambertville, N. J. Brick, 1 story, 42x120 feet, slag roof, steam heating, electric lighting, concrete floors. Architect has received bids.

Residences (4), Trenton, N. J., \$10,000. Architect, private plans. Owner, Fred T. Walters, Lumberville, N. J. Frame, 2½ stories, 14x42 feet each, slate and tin roofs, hot water heating, gas and electric lighting, tile work. Owner is sub-letting all contracts.

Water Works (add.), Clinton, N. J., \$7,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owner, State of New Jersey Reformatory for Women, Clinton, N. J. Consists of 3,000 feet cast iron pipe, 100,000 gallon basin and electric line work. Owners taking bids, due March 5th. The following are figuring: Edward Fay & Son, 2 South Mole street, Philadelphia; Berry-Goodwin Co., Drexel Building, Philadelphia; Jersey City Construction Co., 75 Montgomery street, Jersey City, N. J.; Frank J. Eisinger, 588 Atlantic avenue, Brooklyn, N. Y.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.
BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



Does Your Roof Leak?

Tin and Slag
Roofing
HEATERS
RANGES
CORNICES
SKYLIGHTS

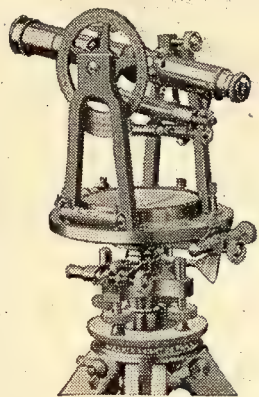
BRINKMANN BROS.
2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



POINTS WORTH CONSIDERING

ACCURACY, DURABILITY and EFFICIENCY are three necessary requirements in the use of a Transit or a Level. Our new Model No. 35

"Sterling" Builders' Transit

fully meets these requirements, and at a price within your reach.

Write TO-DAY for Vest Pocket Manual of Adjustments, Circular containing "Points Worth Considering" and details of FREE TRIAL OFFER. Special terms of payment now available.

WARREN-KNIGHT COMPANY

Designers and Makers of "Sterling" Transits and Levels
136 N. TWELFTH STREET PHILADELPHIA, U. S. A.

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street
PHILADELPHIA - PA.

You Can Now Buy

A No. 450 Acorn or

A No. 467 Eclipse

Cabinet Gas Range

at about the same price as a double oven range.

\$21.75

\$2.25 down—\$2.00 a month.

5% off if bought for cash.

At any "U. G. I." store, or from representatives.

**THE UNITED GAS
IMPROVEMENT CO.**

Post Office, Plainfield, N. J. Architect, Oscar Wenderoth, Treasury Department, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Brick, stone and steel, fireproof, 1 story, composition roof, electric lighting, steam heating, metal lath. Owners taking bids, due April 2nd, 3 P. M.

School Building, Springside, N. J., \$24,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education of Burlington Township. Brick, 2 stories, slag roof, mechanical fan system of heating, gas lighting, slate blackboards. Plans in progress. Bids will be taken the last of March.

Greenhouse (add.), New Brunswick, N. J., \$4,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owner, State of New Jersey Agricultural College. Brick, 1½ stories, 21x45 feet, slag roof, steam heating, electric lighting, sewage system extension. Owners taking bids, due March 22nd.

Residence, Trenton, N. J., \$5,000. Architect, private plans. Owner, John A. Kehoe, 870 Stuyvesant avenue, Trenton. Frame, 2½ stories, 24x40 feet, slate and tin roof, hot water heating, tile work, gas and electric lighting. Owner is taking bids.

Residences (4), Trenton, N. J., \$6,000. Architect, private plans. Owner, Frank Russo, 220 Butler street, Trenton, N. J. Brick, 2½ stories, 13x30 feet each, slate and tin roof, hot air heating, gas lighting. Owner taking sub-bids.

Residences (3), Trenton, N. J., \$7,500. Architect, private plans. Owner, Anthony Dinolo, Trenton, N. J. Brick, 2½ stories, 12x30 feet each, slate and tin roofs, hot air heating, gas lighting. Owner taking sub-bids.

Residence, Princeton, N. J., \$7,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Miss M. E. Irwin, Vandeventer avenue, Princeton, N. J. Frame and shingle, 2½ stories, 41x28 feet, wing 14x16 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Home (add.), Trenton, N. J., \$3,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, McKinley Receiving Home, Brunswick avenue, Trenton, N. J. Frame and shingle, 2 stories, 36x24 feet, shingle and slate roof, hot air heating, electric lighting. Plans in progress.

Stores (4) (alt. and add.), Trenton, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, S. S. Kresge Co., Detroit, Mich. New store fronts, steam heating plants, electric lighting, slag roof, tile floors. Plans in progress. Architects will take bids in one week.

New Jersey

Contracts Awarded

Residence, 24 South Forty-first street, Camden, N. J. Architect, private plans. Owner, Frank A. Jordan, Mantua, N. J. Frame, 2 stories, shingle roof, hot air heating, gas lighting. Contract awarded to George Y. Jordan, Mantua, N. J.

Residences (4), Mickie street, Camden, N. J. Architect, private plans. Owners, Starr & Rebeiro, Camden, N. J. Frame, 2½ stories, 16x38 feet each, slate roof, hot air heating, gas lighting. Contract awarded to John P. McColgan, Merchantville, N. J.

Residence, Camden, N. J., \$4,500. Architect, private plans. Owner, C. M. Lacey, Thirtieth and Corman streets, Camden. Brick, 3 stories, 41x42 feet, slate roof, tile work (hot water heating and electric work reserved). Contract awarded to John P. McColgan, Merchantville, N. J.

Residence, 1303 North Twenty-sixth street, Camden, N. J. Architect, private plans. Owner, M. P. Howlett, Camden, N. J. Frame, 2 stories, 24x27 feet, shingle roof, hot air heating, gas lighting. Contract awarded to William F. McCarron, 805 Howard street, Camden, N. J.

Residences (4), Kenwood street, Camden, N. J. Architect, private plans. Owners, Craston & Haddon, Camden, N. J. Brick, 2 stories, 16x56 feet, slag roof, hot air heating, gas lighting. Contract awarded to H. Van Sant, 421 Vanhook street, Camden, N. J.

Garage, Toms River, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Louise Burdsall, Toms River, N. J. Frame, 1½ stories, 22x38 feet, shingle roof, gasoline storage. Contract awarded to A. Judson, Toms River, N. J.

Residences (2), Trenton, N. J., \$3,000. Architect, private plans. Owner, Andrew Breza, 206 Home street, Trenton, N. J. Brick, 2½ stories, 13x28 feet, slate and tin roof, hot air heating, gas and electric lighting. Contract awarded to Nicholas Binder, Trenton, N. J.

Factory, Trenton, N. J., \$3,000. Architect, private plans. Owners, Trenton Smelting and Refining Co., Enterprise street, Trenton, N. J. Steel frame, 1 story, 60x140 feet, corrugated iron roof, electric lighting. Contract awarded to Newton A. K. Bugbee & Co., 206 East Hanover street, Trenton, N. J.

Stores and Apartments (alt. and add.), Trenton, N. J., \$4,000. Architect, private plans. Owner, Russell T. Elwell, Stuyvesant avenue, Trenton. Brick, 2 stories, 20x40 feet, slag roof, steam heating, gas and electric lighting. Contract awarded to John Carri-gan, Trenton, N. J.

(Additional Construction News Continued on page 146.)

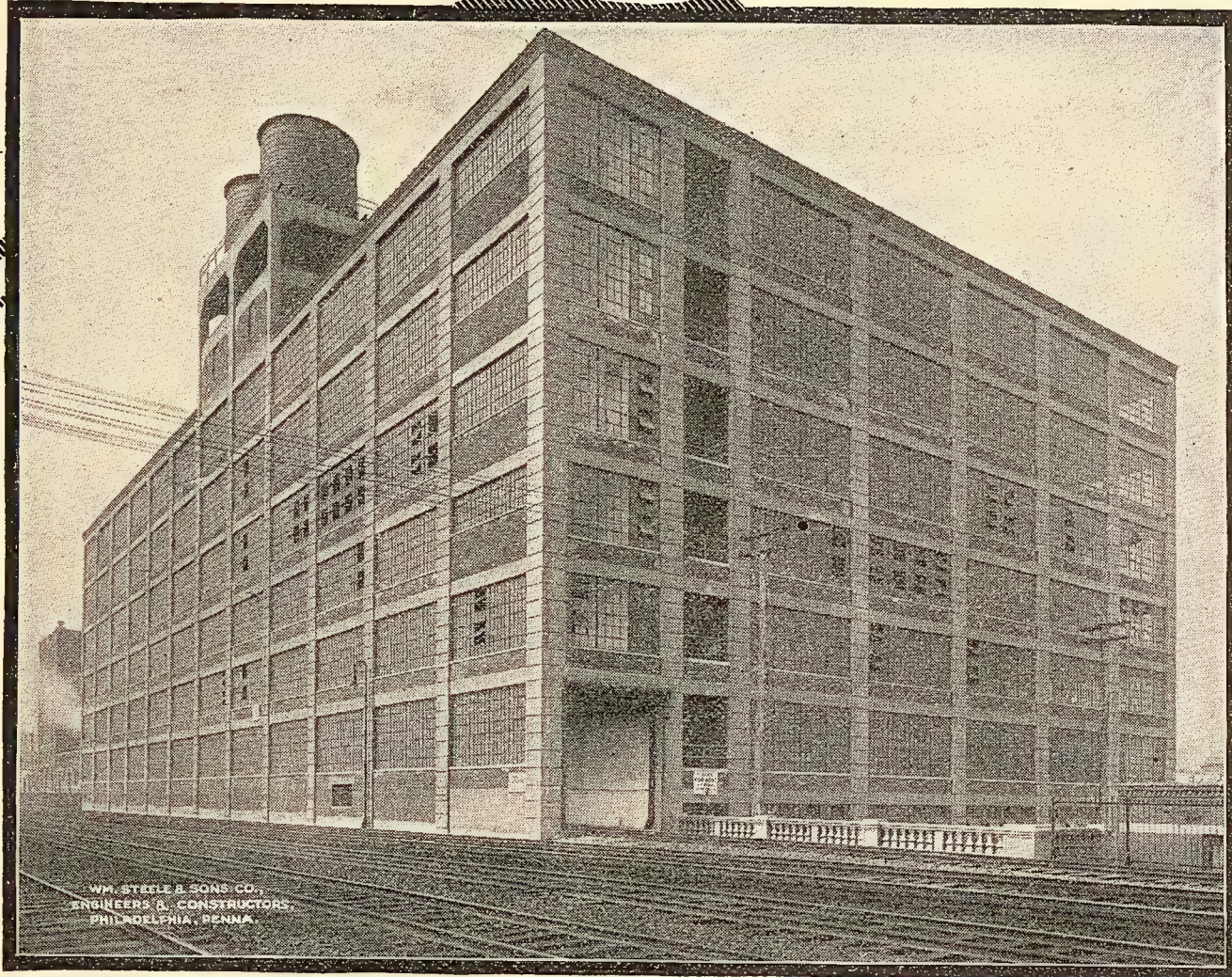
You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.

The Warehouse Everlasting



The illustration shows two views of the new Snellenburg Warehouse at 10th and Berks Sts., Philadelphia, 175 x 297 feet, 8 floors, siding into building at third floor, with facilities for unloading six cars under cover; reinforced concrete throughout, flat-slab method of construction. This building was made imperishable with 35,000 barrels of

ALPHA PORTLAND CEMENT

The High-Water Mark of Quality

You can be sure that the grip of concrete will grow stronger with age, that the structure will be everlasting, when ALPHA is specified and handled right, for every bag of ALPHA is guaranteed to more than meet all standard requirements.

ALPHA Cement represents 24 years of experience. ALPHA is tested hourly, day and night, by chemists and chemical engineers, whose authority in upholding quality is supreme. Six great ALPHA plants on six trunk-line railroads, one plant with private docks, directly on the Hudson River; capacity 25,000 barrels daily, storage for 2,000,000 barrels.

Ask for the ALPHA Book No. 18, giving information of value on cement and concrete work.

ALPHA PORTLAND CEMENT CO., Sales Offices: Harrison Building, PHILADELPHIA

Telephones: Bell, Spruce 4969. Keystone, Race 2877

Other Sales Offices: New York, Chicago, Boston, Pittsburgh, Buffalo, Baltimore, Savannah. General Offices: Easton, Pa.



Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., MARCH 3, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlenberg
TreasurerWalter Mellor
Directors—Clarence C. Zantzing, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

The "Guide's" prediction that conditions in the local building field would find their way back to normal,—despite war talk, tariff-tinkering, the nagging of big business and all the minor ills which united to provoke an atmosphere of gloomy prophecy at the beginning of the year,—is abundantly verified in the returns from the Bureau of Building Inspection for the month of February. According to the official figures covering permits issued for new work, there have been taken out during the month just closed a total of 600 permits, involving 1,260 operations at a total cost of \$2,574,730. This total, the records of the Bureau show, has not been equaled by any February since 1906, when the total of expenditures for building reached \$3,013,720.

Last year February returned 444 permits for 665 operations, at a cost of \$1,794,905.

The figures for the first two months of 1915, compared with the figures for the corresponding period of 1914, show that the totals for the present year are actually running ahead, notwithstanding the general talk about a scarcity of money and hard times. From the 1st day of January of 1915 up to the close of February, the Bureau has issued 1,099 permits covering 1,917 operations, at a total monetary outlay of \$3,485,535, as against 1,039 permits, covering 1,530 operations at a cost of \$3,042,890 during the same period in 1914, a gain of 60 permits, 387 operations and \$442,645.

The largest individual factor in swelling the total for February was the two-story dwelling, ground having been broken for a total of 746 of these, involving a cash outlay of \$1,369,075.

There's no getting away from it, Philadelphia is a great building center, and while February looms up strongest with the two-story house, bigger things may with confidence be predicted of the next few months. It is beginning to dawn upon investors that the "Build Now" movement inaugurated by "The Guide" is based upon a thorough understanding of prevailing economic conditions. Material has never been cheaper, labor never more plentiful, the money market is easing perceptibly and general business conditions are averaging close to normal. Why, in face of these circumstances, the investor contemplating something big should hesitate, we are at loss to conceive. A couple of months like February will bring about a sharp advance in the price of materials, make labor scarce and high and add measurably to building costs generally. There is real money to be made by building now if an investor contemplates building at all, and the sooner moneyed interests awaken to a realization of this fact the better for the future of their investments.

* * *

Throwing prudence, wisdom, and every

lessor consideration to the winds, the cement producers are engaged in what threatens to be one of the most disastrous price-cutting wars in the history of the industry. Within two days, it is reported, 10 cents a barrel has been lopped off the price of cement at Lehigh district mills, bringing the price down to 60 cents a barrel and making a slump of 30 cents, or one-third, from the price at the beginning of 1915. Not since the famous break in 1911 have cement quotations before reached this figure.

Men in the trade hazard the opinion that the end is not yet, but that a still further drop may be anticipated, bringing the price to the unprecedented figure of 50 cents the barrel.

The object of the price cutting, it is asserted, is the twofold one of encouraging direct buying, while at the same time doing away with competition. The building depression of last year, which had the effect of causing the first decrease in output in the history of the cement trade, has, it is stated, no bearing on the present cutting of rates.

* * *

Out of all the comment we have seen in print touching the lessons to be drawn from the fire which early in December destroyed the greater part of the Edison plant at West Orange, N. J., we like best this sensible, practical, little observation from the "Engineering Record:"

"While chief interest would seem to center in the performance of the concrete buildings, the most important conclusion is a costly verification of one of the fundamentals of fire protection practice. This conclusion should be preached from the house-tops—that when structures are exposed to fire hazard from without it is folly to place one's trust in 'fireproof' buildings fitted with wooden window sash and plain glass. The ruin at West Orange, thrown in relief by being linked with the great inventor's name, preaches that lesson to the matter-of-fact executive more strongly than all the fire-prevention documents ever written. Here was a plant with closely spaced buildings, all of them without the fire-protection provisions which long experience has demonstrated to be essential for the safeguarding of such structures. Moreover, there were no fire walls to prevent the spread of the flames from one adjoining building to the next, and none of the buildings were equipped with automatic sprinklers. The concrete buildings were considered 'fireproof,' but can be called so only by courtesy. They were not fireproof, except in the sense that they themselves would not burn. They were virtually concrete stoves, with tinder at every window inviting the application of the torch.

"As for the performance of the concrete buildings in so severe a test, one can happily report that they came through very well. It

is safe to say that four of the seven are in their entirety usable. In two of the remaining buildings the damage is local, affecting parts of four floors, while in the third the columns in the first floor are in very bad condition."

The underlying truth of the matter may be summed up in the remark that no building is any more fireproof under severe test than the relative inflammability or non-inflammability of its contents. Lots of things normally non-inflammable will burn in a stove aided by a good, hot fire, and just this condition occurs in the case of the fireproof building when it is stored full of highly inflammable material.

The Edison buildings, while better than most structures of the type, were not fireproof in the sense in which the term is now understood. The amazing feature of the incident is that they came as safely through a test presenting so many of the factors which make for complete disintegration.

* * *

One sees much of the architect in the world of to-day. It is seldom, indeed, one sees or hears aught of the architect's wife. We are indebted to the "London Builder" for this clever little exposition of the feminine side of the architectural problem. Under the caption, "The Architect's Wife: A Study of Difficulties," the "Builder" says:

"There are few more difficult roles to play in the drama of life than that of an architect's wife, for she must be gifted by nature with a dual personality, or else be a consummate actress and one who can instantaneously play a part when necessity demands. Being a woman, she knows that no man can design a house without making grave mistakes, for is not a woman's intuition of more value than any man's knowledge where the details of a house are concerned? On the other hand, has she not promised to love, honor and — her husband—that is, a man whose judgment she knows is at fault in matters which only a woman can speak authoritatively about? The result is that there are two warring elements at work, neither of which can be consistently satisfied.

"If, as is sometimes the case, her husband's clients are her personal friends, she is in a quandary, for she sees the defects of his work, but must in loyalty to him conceal her knowledge till she can have a tete-a-tete with him. Her eloquence is checked because she cannot give freeplay to her understanding; she is, in fact, in the position of counsel defending a criminal of whose guilt he is assured, and, being a woman, her sense of justice is not satisfied with the consolation that she is but following time-honored precedent, which is sufficient for a mere man and husband. The difficulties of an architect in his attempt to secure his ends by the means of a number of imperfect agencies such as the work of builders and workmen do not as a rule appeal to a temperament which is idealistic and thorough to an extent that man seldom understands. Ultimate perfection seems to her attainable, and any defects which occur through defective oversight or

want of judgment are dismissed as things which should have been obviated. No woman really thinks that to err is human, and, though in large matters her forgiveness may be divine, she is often unwilling to exercise it in the trivial affairs of life, perhaps thinking by so doing she is throwing pearls before swine. Every woman for whom an architect builds finds defects in the house which has been completed, and the architect's wife finds her natural sympathy with her own sex and her womanly esprit de corps in conflict with her position as the wife of the offender. If the architect's work is of a public character his difficulty largely disappears, for his wife will admit that he is more likely to know the requirements of a public building than she is; nor will she be placed in the same personal contact with the employers, as is often the case with a house.

"Is there any way to avoid the grave dilemmas which we have indicated and to save the architect's wife from the difficulties which we have briefly described? The most ideal plan is, as it usually is in life, the least practicable one—that the architect should keep his profession a secret from his wife. If he could get through life described as being 'something in the city' the difficulty would vanish, but in most cases this would be impracticable, and the architect has to stand in the dock from the outset. Or if, on the other hand, all his work lies at a distance from his dwelling place, and his clients are unknown to his wife, he will be able to conceal his defects from sight; but this, again, is not always practicable. In the third case, he may try to obtain some of the advantages of collective action by securing his wife's criticism of and acquiescence in his designs before they are executed; but this method has the disadvantage that the architect's wife is burdened with the responsibilities of her husband's business as well as her own affairs.

"We have but shortly explained some of the difficulties of a position which we have often felt sympathy with, and there seem to be only two solutions, namely, that if a man elect to follow architecture as a calling he should not marry, or, if he looks forward to marriage, he should not elect to be an architect, as if he does both he places the lady of his choice in a position the difficulties of which are exceptional. But women are nothing if not self-sacrificing and heroic, and, difficult as the position is, many acquit themselves as only women can, and it certainly is true that no woman is so worthy of canonization as she who adequately fills the difficult role of the architect's wife, for she can be classed with the camel who passes through the eye of a needle or the Chancellor of the Exchequer who produces a Budget which pleases every class of the community, convincing them that it is more blessed to give than to receive."

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

THE PLANNING OF SMALL HOUSES.

It is a proverbial fact, among architects and builders, that every man strives to build a larger home than he can afford. Even the man who builds a three-room bungalow goes into debt before the home is complete in order to have it a little better than he might get along with for a while, at least. The man who (without persuasion from his architect) voluntarily decides to see how small he can build a home and have it fill his needs would, according to a writer in the Pittsburgh "Gazette-Times," be a curiosity to the average builder or architect.

The planning of a small home is more difficult than the planning of a larger one to meet the requirements of the same family. Not because the arrangement cannot be as convenient, for anything built on a large scale can be built on a small scale, within a certain reasonable minimum, but because the average person has an exaggerated idea as to how much room he needs for living purposes.

When sitting in the parlor, with two or three friends, the actual space that is taken up together with the usual parlor furniture is not considerable; when the dining room is openly connected with the parlor, the effect of distance prevents a cramped or stuffy appearance.

In the dining room, of course, the size of the table, together with the fact that a passage must be maintained around the outside of the seated guests, establishes a ten-foot minimum for the least dimension. The dining room should be made a little longer than its narrowest dimension, to permit extension of the table on special occasions. This extra length is often obtained by projecting a bay, which when properly designed, adds to the attractiveness both within and without.

Some people think they simply cannot get along without a den. The writer admits that he is one of those people. A little place, even if not more than five feet wide, in which to

(Continued on page 147.)

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

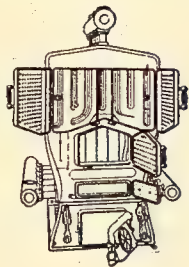
PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



MILLS



"Reputation"

Some of the most famous buildings in the country are equipped with Mills Water Tube Boilers.

They are always found where "GOOD QUALITIES" count.

The H. B. SMITH CO.

1225 Arch Street
PHILADELPHIA - PA.

HARRY C. EISENBISE CO.
Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

The man who does not advertise is like the man who stops his watch to save time.—Exchange.

MARYLAND Construction News

Swimming Pool, Clifton Park, Baltimore, Md. Engineer, F. C. Gross, City Hall, Baltimore. Owner, City of Baltimore, City Hall, Baltimore. Concrete, 315x570 feet. Plans about completed. Owners will advertise for bids in one week.

Office Building, Lexington and Liberty street, Baltimore, Md. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owner, Consolidated Gas, Electric Light and Power Co., Lexington and Liberty streets, Baltimore, Md. Brick, steel and concrete, fireproof, 9 stories, 80x120 feet, slag roof, steam heating, electric lighting. Plans in progress.

Hospital Buildings, Baltimore, Md., \$250,000. Architect, Walter M. Gieske, Gunther Building, Baltimore, Md. Owner, Hahnemann General Hospital, North Mount, near Riggs avenue, Baltimore, Md. Brick, concrete and steel, fireproof. Details not yet decided. Plans in progress.

Residence, Roland Park, Md. Architect, E. L. Palmer, 216 Longwood road, Roland Park, Md. Owner, C. Y. Peyton, care of architect. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Store Building, East New Market, Md. Architect, Louis Levi, Munsey Building, Baltimore, Md., and Real Estate Trust Building,

Philadelphia, Pa. Owner, Jacob Millison, East New Market, Md. Brick and frame, 3 stories, 60x105 feet, slag roof, electric lighting (heating not decided). Plans in progress.

Garage, 1012 to 1016 West Lexington street, Baltimore, Md., \$5,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Fannie Briskman, 1012 West Lexington street, Baltimore. Brick, 1 story, 49x131 feet, slag roof, electric lighting, concrete floors. Plans in progress.

Residences (9), Smallwood street, near Clifton avenue, Baltimore, Md. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, Stephen P. Harwood, 10 East Fayette street, Baltimore. Brick, 2 stories, 14x45 feet each, tin roofs, gas lighting, steam or hot air heating. Owner will sub-let all contracts.

Residence, Liberty Heights and Forrest Park avenue, Baltimore. Architect, C. M. Anderson, 324 North Charles street, Baltimore. Owner, John M. Spence, 350 North Holliday street, Baltimore. Frame, 2½ stories, 35x40 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Architect taking bids. The following are figuring: Adam Kratz, 118 South Carrollton avenue; C. W. Littleton & Son, 4313 Liberty Heights avenue; J. F. Hardy, Groveland avenue, Arlington, and John Elgen, all of Baltimore.

MARYLAND Contracts Awarded

Store Building, 441 North Front street, Baltimore, \$12,000. Architect, private plans. P. J. Roddy, 803 Hillen street, Baltimore. Brick, 3 stories, slag roof, steam heating, electric lighting. Contract awarded to L. Schoenlein & Son, 2217 East Baltimore street, Baltimore, Md.

Church, Hamilton, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore, Md. Owners, Hamilton Presbyterian Church, Hamilton, Md. Stone, 1 story, slate roof, steam heating, electric lighting. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore, Md.

Residence, Roland Park, Md., \$15,000. Architects, Ellicott & Emmart, Union Trust Building, Baltimore. Owner, John M. Cates, 2208 Maryland avenue, Baltimore. Brick, 2½ stories, slate roof, steam heating, electric lighting, hardwood floors, tile work. Contract awarded to Gladfelter & Chambers, 2072 Woodberry avenue, Baltimore, Md.

Warehouse, Aliceanna and Chester streets, Baltimore, Md. Engineer, William O. Spark-

lin, Law Building, Baltimore. Owner, American Can Co., Maryland Trust Building, Baltimore. Brick and concrete, 3 stories, slag roof, electric lighting. Contract awarded to Singer-Pentz Co., Equitable Building, Baltimore.

Cottage, Walbrook avenue and Cheston streets, Baltimore, Md., \$5,000. Architect, private plans. Owner, Fred Shaw, The Walbrook, Baltimore, Md. Frame, 2½ stories, 40x43 feet, slate roof, hot water heating, electric lighting. Contract awarded to C. W. Littleton & Son, 4313 Liberty Heights avenue, Baltimore, Md.

Residence, Duvall and Garrison avenue, Baltimore, Md., \$6,500. Architect, Henry J. Tingley, Saratoga and St. Paul streets, Baltimore. Owner, William A. Cox, care of architect. Frame, 2½ stories, 32x42 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to J. Henry Smith, 1426 Light street, Baltimore, Md.

Miscellaneous Construction News

Market House, Detroit, Mich. Architects, Smith-Hinchman & Grylls, Detroit, Mich. Owners, Gratiot Central Market Co., Detroit, Mich. Brick and terra cotta, fireproof, 1 story, 120x121 feet, composition roof (heating and lighting reserved), waterproofing, metal lath, enamel and glazed brick. Architects taking bids, due March 8th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, is figuring.

Meeting House, Tenth and Harrison streets, Wilmington, Del. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Friends Meeting Association, Wilmington, Del. Stone, 1 story, 30x60 feet, slate roof, hot water and hot air heating, electric lighting. Architect has received bids.

School, Hudson, Ohio. Architect, J. W. C. Corbusier, Lennox Building, Cleveland, Ohio. Owners, Board of Education, D. J. Joyce,

President, Hudson, Ohio. Brick, stone and steel, fireproof, 3 stories, 86x59 feet, gravel roof, dampproofing and waterproofing, concrete floors, metal lath, safety treads, steam and hot air heating, electric lighting. Owners have received bids.

Post Office, Smyrna, Del. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S.

Government, Washington, D. C. Brick, 1 story, 40x55 feet, steam heating, tin roof, metal lath, dampproofing. Owners taking bids, due March 29th. F. W. Van Loon, Denckla Building, and F. L. Hoover & Sons, 1023 Cherry street, both of Philadelphia, are figuring.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Ramsey Bros. (O), 5832 Catherine street. Cost, \$13,000. Five dwellings, brick, 2 stories, 15x36 feet, Millick and Baltimore avenue, Philadelphia.

John R. Nelson (O), 2028 South Fifty-seventh street. Cost, \$49,000. Twenty-nine dwellings, brick, 2 stories, 15x38 feet, Fifty-seventh and Woodland avenue.

J. M. Kennedy, Jr. (O), Mutual Life Building. J. D. Killen (C), 501 North Sixty-fifth street. Cost, \$100,000. Storage, brick, 2 stories, 50x110 feet, Vodges and Arch streets.

Michael Stevens (O), 912 Fanshaw street. Cost, \$1,500. Dwelling, brick, 2 stories, 14x37 feet, Magee and Lawndale streets.

V. C. Turner (O), 5432 North Second street. Cost, \$2,000. Dwelling, brick, 2 stories, 16x45 feet, Fourth and Chew streets.

W. Eckerle (O), 6133 Dilman street. Cost, \$3,600. Two dwellings, brick, 2 stories, 14x35 feet, Edmond and Hellerman streets.

G. W. Shissler (O), 2300 South Eleventh street. Cost, \$28,200. Twenty-eight dwellings, brick, 2 stories, 16x37 feet, Marshall and Shunk streets.

John Maneely (O), 309 Arch street. Cost, \$13,000. Warehouse, brick, 1 story, 195x116 feet, D street and Erie avenue.

Thomas Merkel (O), 130 East Mentor street. Cost, \$3,600. Dwelling, 2 stories, 14x25 feet, 4834 North Palethorp street.

A. Battagsey (O), 518 South Second street. Cost, \$2,000. Dwelling and store, brick, 3 stories, 16x34 feet, 313 South Second street.

R. H. Pugh (O), 5713 Market street. Cost, \$102,200. Fifty-two dwellings, brick, 2 stor-

ies, 16x35 feet, Hoffman and Ithan streets.

John G. Moore, 1410 North Sixty-first street. Cost, \$700. Stable, brick, 1 story, 16x51 feet, slag roof, 1408 North Sixty-first street.

A. Ruhland (O), 344 North Third street. Cost, \$2,000. Dwelling, brick, 2 stories, 16x35 feet, Fifth and Ashdale streets.

Charles H. Gaskill (O), 4513 Hedge street. Cost, \$5,600. Four dwellings, brick, 2 stories, 14x44 feet, Filmore and Mulberry streets.

George H. McCracken (O), 2528 West Lehigh avenue. Cost, \$66,000. Thirty-two dwellings, brick, 2 stories, 15x32 feet, 3003 to 61 North Twenty-sixth street.

Joseph Machulos (O), 2964 Westmoreland street. Claus & Reinke (C), 3414 Melrose street. Cost, \$1,600. Dwelling, brick, 2 stories, 16x52 feet, slag roof, Kingston and Bath streets.

Lewis Ahlers (O), 4433 Salmon street. Cost, \$9,000. Six dwellings, brick, 2 stories, 16x30 feet. Cost, \$6,000. Four dwellings, 4520 to 38 Salmon street.

P. J. & J. T. Whelan (O), Lincoln Building. Cost, \$111,600. Sixty-two dwellings, brick, 2 stories, 14x30 feet. Cost, \$3,000. One store and dwelling. Cost, \$3,000. One store and dwelling. Cost, \$4,400. Two dwellings, N. E. Boulevard.

Martin Maloney (O), 5903 Spruce street. Cost, \$22,000. Four dwellings, brick, 3 stories, 23x36 feet, Fifty-fourth and Overbrook avenue.

Zehr & Beukucker (O), 3408 Reach street. Cost, \$3,600. Two dwellings, brick, 3 stories, 14x41 feet, 822-24 East Tioga street.

Alterations and Additions

E. F. Houghton Co. (O), Third and Somerset streets. F. & E. Aubel (C), 2520 North Ninth street. Cost, \$7,000. Storage, 1 story, galvanized iron, 24x72 feet, Third and Somerset streets.

E. A. Myhlertz (O), 4069 Powelton street. Cost, \$1,200. Apartment house, 4069 Powelton avenue.

J. D. Groves & Son (O), Tulip and Somerset streets. S. G. Mathews Co. (C), 916 North Ninth street. Cost, \$2,000. Boiler House, brick, 1 story, 51x18 feet, Somerset and Tulip streets.

Haines, Jones & Cadbury Co. (O), Twelfth and Ridge avenue. William Steele & Sons Co. (C), 1600 Arch street. Cost, \$1,900. Storage, brick, 1 story, 30x60 feet, Twelfth and Buttonwood streets.

Herman Grunenger (O), 2314 Orthodox street. L. Ahler, Jr. (C), 4433 Salmon street. Cost, \$500. Office, brick, 1 story, 12x26 feet, 2314 Orthodox street.

Richard Hamilton (O), Water and Reed streets. Cost, \$2,100. Shop, brick, 1 story. Cost, \$1,000. Storage, frame, 1 story, 64x144

feet. Cost, \$1,600. Stable, brick, 1 story, Water and Reed streets.

Fels & Co. (O), Seventy-third and Woodland avenue. Cost, \$3,200. Office addition, brick, 2 stories, 28x56 feet and 24x34 feet, Seventy-third and Woodland avenue.

H. Berger (O), 1322 North Fourth street. S. Shestack (C), 322 Dickinson street. Cost, \$900. Dwelling, 418 Fitzwater street.

Union Ice Co. (O), 1324 Belmont avenue. William Linker Co. (C), Heed Building. Cost, \$1,800. Brick, 1 story, 47x44 feet, slag roof, 1222 Belmont avenue.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scrimper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 25, 1915.—Sealed proposals will be received at this office until 3 P. M. March 29, 1915, and then opened, for coal-handling apparatus, etc., in the United States Mint at Philadelphia, Pa., in accordance with drawing and specification, copies of which may be had at this office or at the office of the custodian, United States Mint, Philadelphia, Pa., in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 23, 1915.—Sealed proposals will be opened in this office at 3 P. M., April 2, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of a one-story and basement stone-faced building of 9,100 square feet ground area, fireproof construction, composition roof, for the United States post office at Plainfield, N. J. Drawings and specifications may be obtained from the custodian at Plainfield, N. J., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

THE PLANNING OF SMALL HOUSES.

(Continued from page 145.)

study, write, read, or converse privately, is always a convenient accessory. Placing a comfortable couch in it makes an extra bed room on special occasions. In a small home, however, this space can be distributed between the other rooms and one of the bed rooms furnished to take its place. The number of chambers is, of course, established by the number in the family and the number of expected guests.

A fireplace is always a splendid thing in any home, for its cheerfulness and the heat it affords on mild winter days, as well as being a splendid ventilator at all times, but it is expensive, and takes up altogether too much room for a small home. It should, therefore, be omitted, together with such desirable but unnecessary luxuries as a first-floor toilet room, large pantry and conservatory.

For the best appearance a home of small dimensions should not be full two stories high. Making the height of the first story not over 9 feet increases the size of the rooms in appearance and makes it unnecessary to project the second story quite so high into the air. While it must be admitted that a slant in the bedroom ceiling is not the most desirable thing, still, when the slant starts not lower than 5½ feet or 6 feet from the floor, it is not in the way of bed room wall

furniture, and does not interfere with head room, even at 5½ feet, for no one stands or walks against the wall.

When the slanted part of the ceiling is insulated properly from the weather and the room is properly ventilated, it does not make the room either hotter or colder; in fact, it requires a little less heat radiation in winter.

From an investment standpoint it is a significant fact that small homes containing

a sufficient number of rooms and all modern conveniences sell better and at larger profits in proportion to the investment than larger and more costly homes, which would indicate that the average home builder would be content with rooms not quite so large as he thinks is necessary when planning a home if he could only see a home in every other way meeting his requirements, with rooms just large enough to be practical and homelike.

ing has upon its occupants in the formation of their taste and love for good design and good architecture is very real. The school architect has no right to forget this, and every building which he erects, no matter how limited in cost, or how elaborate, or how strong and well built it may be, fails of its true mission so long as it is not truly pleasing, artistic and inspirational from an architectural standpoint.—“American School Board Journal.”

* * *

Architectural Notes

Some uncomplimentary remarks about by-gone American architecture in general and Philadelphia municipal buildings in particular were made in Houston Hall by Warren P. Laird, professor of architecture in the University of Pennsylvania.

Speaking on “The American Style of Architecture,” Professor Laird told how the period from 1850 to 1876, in which the City Hall was built, was regarded as one of artistic stagnation. He continued:

“While a time of great industrial and political activity, the period was one of artistic stagnation. Of the many city halls and capitols built in that period, one is our municipal building. While of great size and cost, it is full of errors of detail and planning that 25 years of elaboration have failed to correct. Its inferior design shows the decline of public taste and of architecture in that period.”

Professor Laird divided the periods of American architecture into three great classes: The “Colonial” of the seventeenth and eighteenth centuries, the classic of the first half of the nineteenth century and a dark and nameless interval, leading from then to the present time.

Professor Laird is optimistic in his views of the future American architecture. “Today we have a truer conception and a better insight in the genuine constitution of art,” he says. “Our own generation has seen the most considerable and truly artistic development of architecture since the Colonial period.” Doctor Laird attributes the improvement to schools and colleges. Several thousand young men now are studying in some forty institutions and special classes.

* * *

Any building sufficiently monumental or architecturally meritorious to be classed as a work of art should be treasured by its owner, and if alterations become necessary they should not be lightly undertaken. It would be a matter of common faithfulness to the cause of art to intrust all such changes to the direction of the original architect, or if his services cannot be secured to search out some accomplished architect who would have the good taste to submerge his own personality in the spirit of the original.

It often happens that the architectural unity of a fine building is ruined by ill-advised

alterations, and it might easily happen as an eventuality that the reputation of the author would suffer. Alterations from one sort and another have been the curse of art from the earliest times, and it would seem that in this respect of all forms of art architecture has received the least consideration. If it were possible to do for buildings as is indicated would be advisable to do for other forms of art, in an old book called the “Every-day Philosopher,” where alterations are contemplated, the case would not be so hopeless, viz.: If you pretend to show us Raphael’s picture, let it be exactly as Raphael left it. Call it what it is, to wit, Raphael altered and improved by Snooks. If you take a sovereign, and drill several holes in it, and fill them up with lead, you will be made to feel, should you endeavor to convey that coin into circulation, that though you may sell it for what it is worth as a sovereign plugged with lead, you had better not try to pass it off upon people as a genuine sovereign. All this is as plain as may be.—Extract from address by Professor Bateson, president of British Association for Advancement of Science.

* * *

An architect in apologizing for a very uninteresting design of a small school building once said to the writer: “You cannot do much with a grade school in the way of architectural effect. After all, it is nothing but a school house.” The attitude of mind of this man, who was in other respects an artist, a clever draftsman, and a master of the business end of his profession, is typical of many architects who do not realize the true meaning of a schoolhouse and fail to appreciate the opportunity which it affords. There is, consequently, in their designs a fatal lack of spirit and a barrenness of results.

The children of the United States have been suffering from this kind of school architecture for many generations. In fact, the lack of appreciation of good architecture in a great proportion of our native population may be traced directly, in part, to the neglect of school boards to demand, and our architects to provide, our schoolhouses universally with high architectural qualities.

It has been said very truly that the design of a schoolhouse involves an educational obligation. The effect which every school build-

A young architect, whose first client was a lady with a temperament, tells how his early career was blighted. This lady wanted a house—something Queen Annish, something like a house she saw in Brookline, and something like another in Columbus. There were to be a pergola and a garage, and dear old-fashioned small windows, but they must have large plate-glass panes, because you could never expect to keep maids if they had the corners of many small panes to clean. But these were all trifles compared with the issues involved when the plans came up for discussion. The lady knew what she wanted, and had drawn up some plans herself. They were not nicely scaled, a room 12 by 20 and another 6 by 4 being put side by side, occupying the same space; besides, the stairs and the chimneys were very strange. The architect explained that if he started the stairs on the ground floor, as shown on the client’s plan, and let them arrive where the client wished them to arrive on the first floor, they would have to get under the bath room somehow, and the only way to do that would be to have the bath room suspended in some way from the roof by means of chains. Naturally this gave rise to some trouble, but the client clinched the matter by saying: “If I want the stairs in a certain place, I want them there. Please understand that.” The next bother was with the chimneys. The client’s plans showed the chimney flue in the dining room on the left side of the house, and the chimney flue in the room above on the right side of the house, so that the flue would have to rise one story, then go across the floor, and so up. The architect pointed out this difficulty. “Well,” said the client, “what of that? Suppose it does. You are an architect. You ought to be able to manage it somehow.” The architect took it all quietly, but said to himself: “When the builder finds the kitchen chimney doesn’t meet the upper section of itself by three feet, he’s going to be very, very angry.” As a fact, the builder was extremely upset.—“The Architects and Builders’ Journal.”

If you can persuade people to buy your goods you make money. “The Guide rounds up in its clientele the people you want to persuade. A certain amount of space and the right kind of selling argument does the rest.

Once-in-a-while advertising is like once-in-a-while eating. Good in its way, but decidedly not nourishing.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Awnings.

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Flag Poles (wood and steel).

Bernard McCurdy,
N. E. Cor. 9th and Arch sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

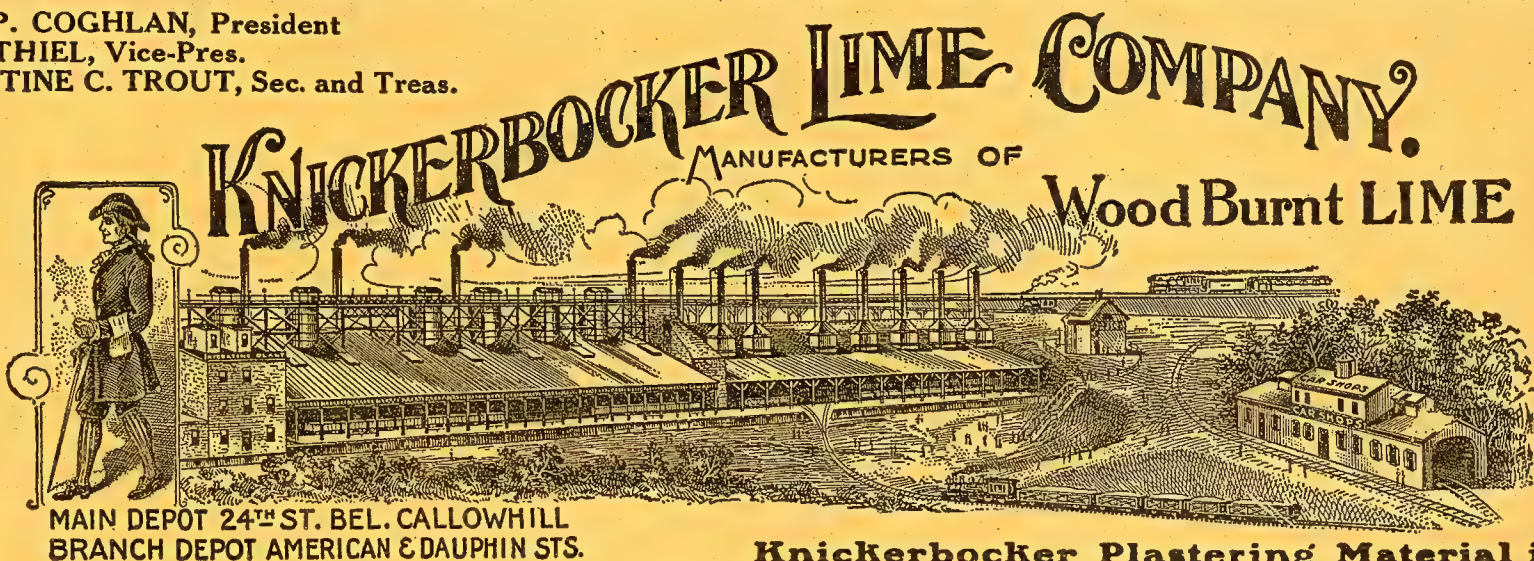
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.



THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 10.

PHILADELPHIA, WEDNESDAY, MARCH 10, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

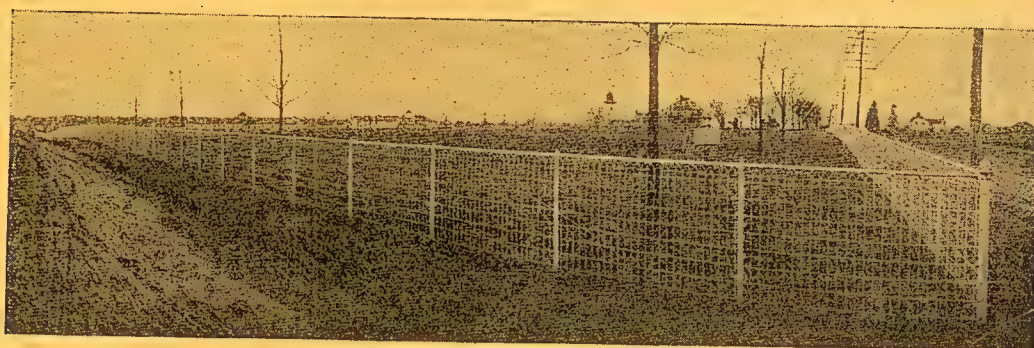
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

Correspondence Solicited.

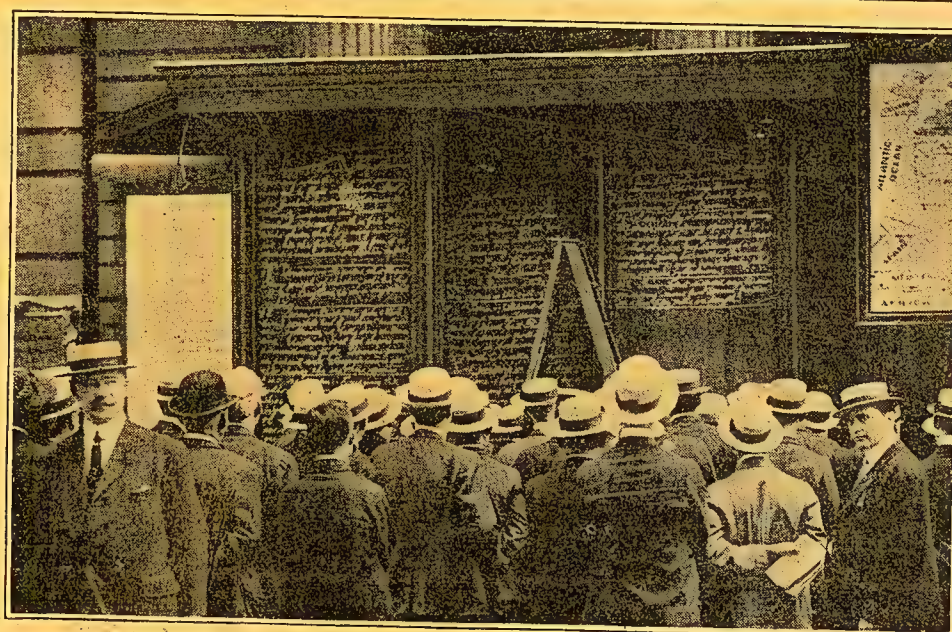
Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City

THE NATIONAL CEMENT



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

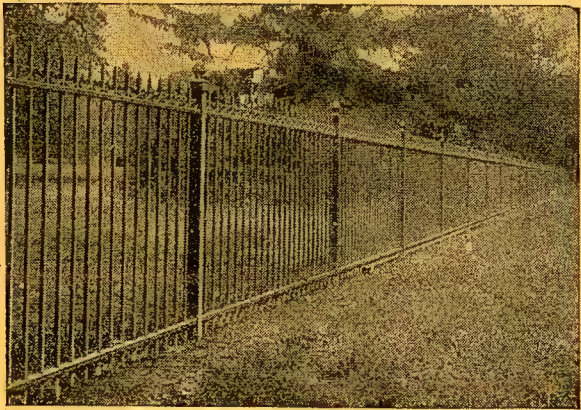
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Court, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

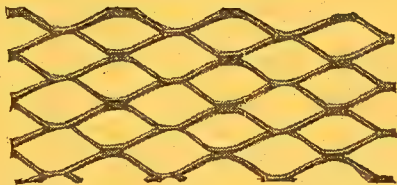
CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO" Expanded Metal Lath



"Bilco" Diamond Mesh

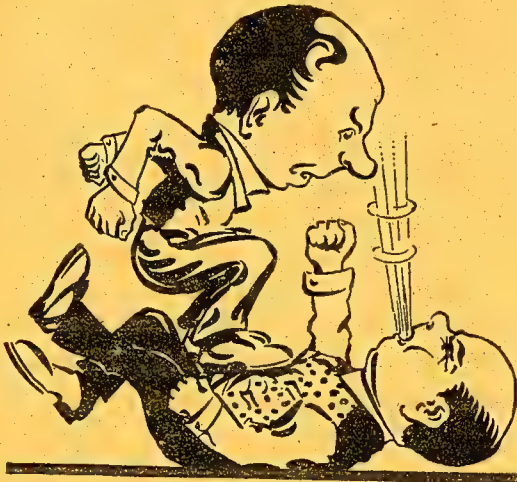
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.

General Offices and Factory, AUDUBON, N. J.



You'll find what you've been hoping for if you examine "F-S" Products.

It isn't every day that you happen on materials that give you just the desired results. In shingle staining you'll be tickled with every job, if you specify "Shinglekote." It gives a good finish and it's reliable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(111)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring

The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc.. wherever a smooth, sanitary, fire and water-proof flooring is desired.

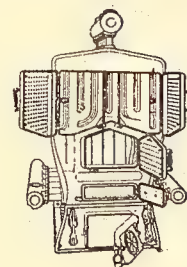
Leatherfloor is the Best
Our Motto, "None Better"

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

—MILLS—



"Satisfaction"

When a type of boiler is made for 40 years, and each year's sales increase over previous ones there is but one conclusion—

They must give satisfaction.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

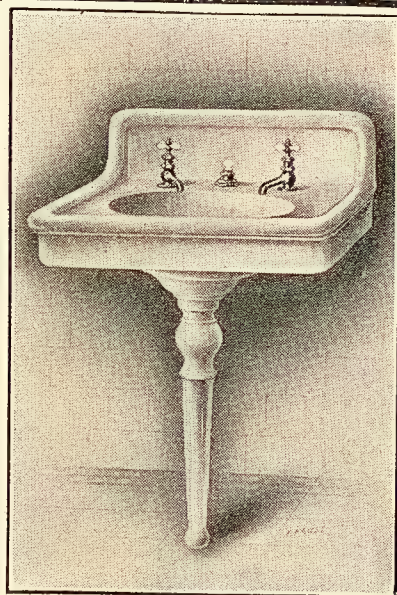


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Catalogue D.*

Specify "CAPOCO" Ware for your
Bath Rooms on particular work

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



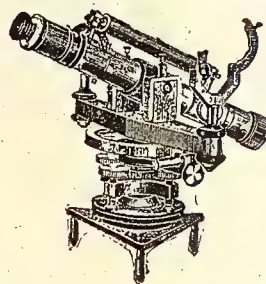
The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing
Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transits from \$15
to \$115.

Serviceable.

Durable. Will hold adjustments

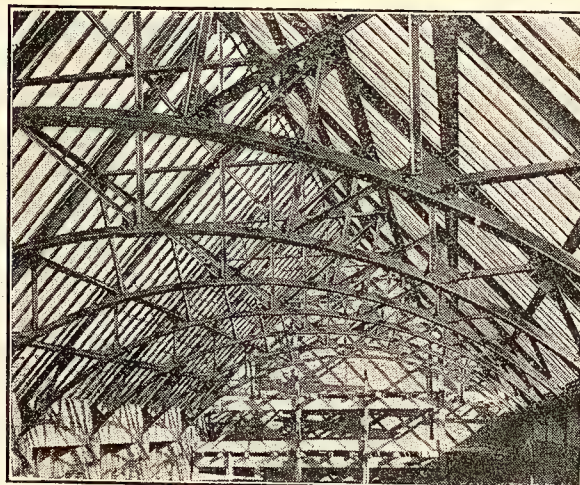


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

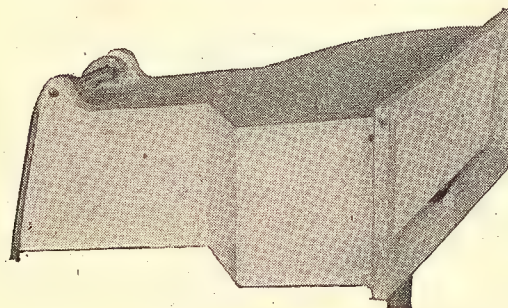
Structural Steel

Steel Towers

Ornamental Iron
Work

Concrete Designs

WIND SHIELD Underwriters Scuppers in
warehouses, factories, lofts and mercantile buildings will reduce
Insurance Premiums on merchandise, machinery, etc.



(Patented)

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-69

WIND SHIELD Scupper
has a shield to prevent
drafts from entering the
building.

Specified by leading archi-
tects and engineers
throughout the United
States.

Write for catalog and copy
of letter from Insurance
Rating Office.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 10.

PHILADELPHIA, WEDNESDAY, MARCH 10, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (4), Lawndale, Philadelphia. Architect, private plans. Owners, General Mercantile Association, 3044 Kensington avenue, Philadelphia. Brick, 2½ stories, 15x55 feet, slate and slag roof, hot water heating, electric lighting. Plans in progress. Owner will take sub-bids.

Hotel (alt. and add.), Ninth and Chestnut streets, Philadelphia. Architect, J. D. Allen, 908 Chestnut street, Philadelphia. Owners, Continental Hotel, on premises. Consists of interior alteration and addition, electric lighting, metal lath, steam heating. Architect taking bids, due March 15th. The following are figuring: F. Roe Searing, Perry Building; George & Borst, 277 South Eleventh street; L. F. McNeill, 1713 Sansom street; Ketcham & McQuade, 1029 Brown street, Philadelphia.

Bridge, Bourse Building, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Thirteenth and Arch streets, Philadelphia. Steel and concrete, metal lath, electric lighting. Architect has received bids.

Residence, St. Martins, Philadelphia. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Mrs. Phoebe J. Clemens, Moreland and Crefelt streets, Germantown. Stone, 2½ stories, 28x46 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Architect taking revised bids. The following are figuring: Thomas C. Trafford, 1613 Sansom street; A. L. Fretz & Sons, 1222 Chancellor street; J. Sims Wilson, 1125 Brown street; William J. Gruhler, 219 East High street; Elfret & Wood, 1708 Sansom street; F. Elvidge & Sons, 5522 Germantown avenue; Specht & Sperry, Heed Building; Eugene Tourison, 1001 Chestnut street; I. A. Dunkelberger, 71 East Herman street; F. B. Davis, 240 North Sixteenth street, all of Philadelphia.

Manufacturing Building, Tacony and Lewis streets, Philadelphia. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, William & Harvey Rowland, on premises. Brick and concrete, 1 story, 49x275 feet, slate and slag roof, metal frames and sash. Architects have received bids.

Store and Apartments (alts.), 117 North Sixteenth street, Philadelphia. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, R. W. Olhausen, Plaza Building, Philadelphia. Brick, 3 stories, tile and tin roof, metal lath, tile work, composition floors, electric lighting (heating reserved). Architect taking bids, due March 10th. The following are figuring: E. J. Hedden, Finance Building; Eugene Tourison, 1001 Chestnut street; Burd P. Evans Co., Thirteenth and Wallace streets; F. A. Havens Co., 845 North Nineteenth street; F. L. Hoover & Sons Co., 1023 Cherry street; George L. Sipps, 912 Locust street; Alexander Chambley, 243 South Tenth street; John Cedori, 1235 Arch street; Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Residences (33), Sixty-first and Nassau streets, Philadelphia. Architect, H. Taylor Smith, 6124 Jefferson street, Philadelphia. Owner, W. Percival Johnson, 4039 Lancaster avenue, Philadelphia. Stone and brick, 2½ stories, 33x35 feet, slate roof, electric lighting, hot water heating, hardwood floors. Owner taking sub-bids.

Residences (64), Hazel avenue, Fifty-eighth and Fifty-ninth streets, Philadelphia. Architect, private plans. Owner, Hugh C. Forbes, 5916 Catharine street, Philadelphia. Brick, 2 stories, 16x33 feet, slag roof, electric lighting, hot water heating, hardwood floors. Owner taking sub-bids.

Residences (66), Fifty-eighth to Fifty-ninth street on Rodman street. Architect, private plans. Owner, Martin Malony, 5900 Spruce street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, electric lighting, steam heating, hardwood floors. Owner taking sub-bids.

Restaurant, 1520-22 Market street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, William B. Levis, 1520 Market street, Philadelphia. Lessee, John Thommen, Seventeenth and Chestnut streets, Philadelphia. Brick and terra cotta, 2 stories, 30x76 feet, wing 15x47 feet. Plans completed. Architects ready for bids.

Cottages (6), Willow Grove avenue and Crefelt avenue, Philadelphia. Architects,

Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Brick and plaster, 1½ stories, 16x45 feet each, slate roofs, oak floors, metal lath, hot air heating, electric lighting. Revised plans in progress. Architect will take revised bids in a few days.

Church and Parish House, Forty-second and Woodland avenue, Philadelphia. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owners, Protestant Episcopal Church (colored), care of architect. Brick, 1 story, 65x143 feet, slate roof, steam heating, electric lighting. Revised plans in progress. Architect will take revised sub-bids in a few days.

Residence (alt. and add.), 819 North Forty-second street, Philadelphia, \$3,000. Architect, H. Taylor Smith, 6124 Jefferson street, Philadelphia. Owner, E. R. L. Driver, on premises. Brick, 3 stories, 12x24 feet, tin roof (heating, lighting and plumbing and hardwood floors reserved.) Owner taking bids, due March 15th. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; George Kessler Cont. Co., Drexel Building, Philadelphia.

Twin Residence, Germantown, Philadelphia. Architect, George C. Johnson, 1409 North Seventeenth street, Philadelphia. Owners, G. C. and W. J. Johnson, 6316 Germantown avenue, Philadelphia. Stone and brick, 2½ stories, 24x75 feet, shingle roof (heating and lighting reserved). Architect taking bids, due March 11th. The following are figuring: Samuel Harting, 20 East Johnson street; J. Sims Wilson, 1125 Brown street; I. A. Dunkelberger, 71 East Herman street; W. C. Wright, 22 Harvey street; Alfred James, Bala, Pa.; Specht & Sperry, Heed Building.

Manufacturing Building, 3068 Frankford avenue, Philadelphia. Architect, Thomas H. Jolly, Colwyn, Pa. Owner, Dr. W. H. Bricker, 1615 North Broad street, Philadelphia. Brick, 2 stories, 30x37 feet, slag roof (heating and lighting reserved). Owner has received bids.

Garage, 2025-2027 North Randolph street, Philadelphia. Architect, W. H. Wooters, 816

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

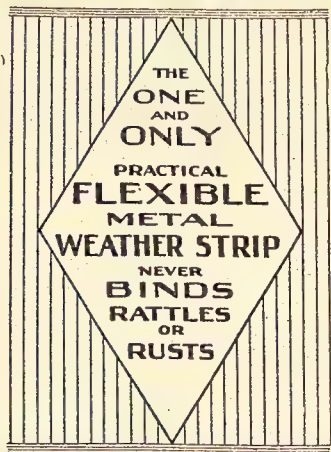
Made on
TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



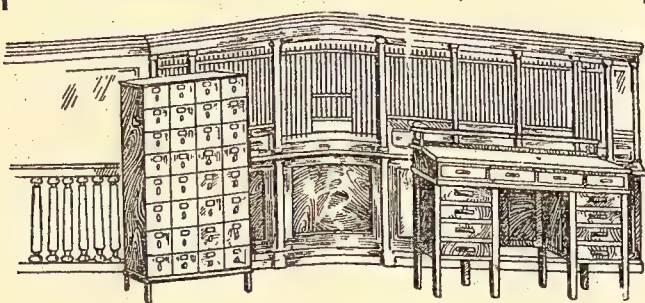
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

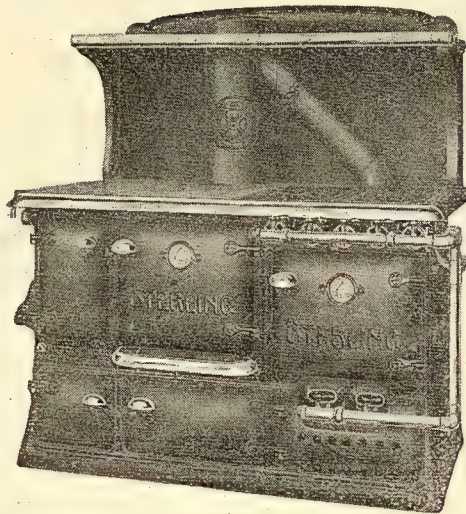
CABINET WORK



Be sure and get our prices before
you buy your Office Partitions, Cabinet
Work, Store Fixtures, Bank and Office
Fixtures, or anything in interior wood
work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one
occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

West Allegheny avenue, Philadelphia. Brick,
1 story, 32x50 feet, slag roof, electric lighting
(heating reserved). Owner has received bids.

Mausoleum, Woodland Cemetery, Philadel-
phia. Architects, Harris & Richards, Drexel
Building, Philadelphia. Owners, Trustees of
Thomas W. Evans Museum. Granite, con-
crete foundations. Architects taking bids,
due March 17th. The following are figuring:
Thomas Delahunty, 3821 Ridge avenue; John
M. Gesslers Sons, Thirty-ninth and Baltimore
avenue; Thomas Reilly, 1616 Thompson st.;
William Gray & Sons, Thirtieth below Wal-
nut street, all of Philadelphia; Smith Granite
Co., Westerly, R. I.; Farrington, Gould &
Hoagland, 258 Broadway, New York City.

Residences (110) and Stores (2), Larch-
wood avenue, Fifty-eighth and Sixtieth street.
Architect, private plans. Owner, Edw. F.
Gorman, 525 North Forty-second street, Phila-
delphia. Brick, 2 stories, 16x34 feet, slag
roof, hardwood floors, hot water heating, elec-
tric lighting. Owner is taking sub-bids.

Warehouse, Delaware avenue and Pine
streets, Philadelphia. Architect, private
plans. Owners, Pennsylvania Warehousing
and Safe Deposit Co., 113 South Third street.
Brick, concrete and steel, 8 stories, 75x135
feet. Plans about completed. Owners ready
for bids in about two weeks.

Apartment House, Philadelphia. Architect,
Frederick Webber, Morris Building, Philadel-
phia. Owner's name withheld. Brick, stone
and steel, fireproof, 12 stories, 47x117 feet,
slag roof, iron stairs, metal lath, steam heat-
ing, electric lighting, dampproofing, steel
stacks. Architect taking bids, due March
15th. Cramp & Co., Denekla Building, Phila-
delphia, are figuring.

Bath House, Theatre and Residences (4),
Thirty-first and Wilt streets, \$100,000. Archi-
tects, B. J. Medoff & Sons, 524 Walnut street,
Philadelphia. Owners, Joseph Fisher & M.
Lessey, 722 Sansom street, Philadelphia.
Brick and steel, fireproof, 2 and 3 stories,
92x130 feet, slag roof, hot water heating, elec-
tric lighting, oak floors, metal lath, water-
proofing, enamel brick, swimming pool, metal
frames and sash. Architects taking revised
bids. The following are figuring: William R.
Dougherty, 1610 Sansom street; Jacob Ger-
chov, 317 Reed street; Samuel Schults, 3113
Montgomery avenue; Fred Quate, 1323 Sny-
der avenue; Bailey-Lush Co., 201 North Broad
street; E. J. Kreitzburg, 1345 Arch street;
William Linker, Heed Building; Seidman &
Getz, 1224 North Sixth street, all of Philadel-
phia.

Hospital (add.), Corinthian and Girard ave-

nue, Philadelphia. Architect, Frank A. Rom-
mel, 1524 Chestnut street, Philadelphia. Own-
ers, German Hospital, on premises. Brick, 1
story, 83x55 feet, slag roof, steam heating,
electric lighting (elevator reserved). Archi-
tect taking bids, due March 12th. A Ray-
mond Raff, 1635 Thompson street, Philadel-
phia, is the only bidder.

Club House (alt. and add.), 1223 Locust
street, Philadelphia. Architects, Magaziner
& Potter, 603 Chestnut street, Philadelphia.
Owners, Princeton Club, 603 Chestnut street,
Philadelphia. Brick, 4 stories, 18x20 feet,
slag roof, electric lighting, oak floors. Plans
in progress.

Gardener's Cottage (remodeling), Torres-
dale, Philadelphia. Architects, Mellor &
Meigs, 205 South Juniper street, Philadelphia.
Owner, Charles Biddle, 505 Chestnut street,
Philadelphia. Stone, 2½ stories, 34x20 feet,
shingle roof. Plans about completed. Archi-
tects will take bids in a few days.

Warehouse, Thirty-eighth and Powelton
avenue, Philadelphia. Architects, Karcher &
Smith, 34 South Seventeenth street, Philadel-
phia. Owners, Powelton Storage Co., on prem-
ises. Brick and concrete, 5 stories, 20x100
feet, slag roof, electric lighting. Plans in
progress.

Residence, Germantown, Philadelphia.
Architect, Savery, Scheetz & Savery, Stephen
Girard Building, Philadelphia. Owner's name
withheld. Stone, 2½ stories, 27x45 feet, wing
13x17 feet, slate roof (heat, light and plumb-
ing reserved), oak floors. Architects taking
bids, due March 12th. The following are
figuring: I. A. Dunkelberger, 71 East Her-
man street; William J. Cowell, 943 East Chel-
ten avenue; Moore & Graham, 6324 Wissa-
hickon avenue; Charles Johnson, 5701 Boyer
street; L. F. McNeill, 1713 Sansom street; A.
L. Fretz & Sons, 1222 Chancellor street; Fish-
er Bros. & Co., 3514 North Eleventh street,
all of Philadelphia; Lansdowne Const. Co.,
Lansdowne, Pa.; J. D. Lengel, Wayne, Pa.

Store and Dwelling (alt. and add.), 1020
Pine street, Philadelphia. Architects, Maga-
ziner & Potter, 603 Chestnut street, Philadel-
phia. Owners, Weloderker Building and oLan
Association, care of Sol Barenbaum, 2416
North Thirty-second street, Philadelphia.
Brick, 3 stories, 20x75 feet, electric lighting,
steam heating, slag roof. Owners have receiv-
ed revised bids.

Residence, Oak Lane, Philadelphia. Archi-
tect, Philip S. Tyre, 1509 Arch street, Phila-
delphia. Owner, J. Harris Tyre, 6716 North
Eighth street, Philadelphia. Hollow tile and
plaster, 2½ stories, 24x34 feet, shingle roof,

UNITAS TILING

A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

vapor vacuum heating, electric lighting, hardwood floors. Revised plans in progress.

School (add.), Eleventh and Thompson sts., Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Consists of new windows, interior alteration, painting, plastering (new heating system reserved). Lowest bid submitted by Standard Const. Co., Drexel Building, Philadelphia, \$6,850.

School (add.), Sixty-third and Elmwood avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick and stone, fireproof, 3 stories and basement, 35x67 feet, slag and slate roof (heating, lighting, plumbing reserved), waterproofing, iron stairs, metal lath, metal frames and sash, weather strips. Lowest bid submitted by F. Roe Searing, Perry Building, Philadelphia, \$27,773.

School (add.), Second and Wolf streets,

Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Stone and brick, 3 stories, 50x92 feet, two wings, fireproofing, weather strips, metal lath, metal frames and sash, slate and slag roof (heating, lighting and plumbing reserved). Lowest bid submitted by P. J. Hurley, 1233 Cherry street, Philadelphia, \$98,900.

School, Fifty-sixth and Kingsessing avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, terra cotta, fireproof, 4 stories, 115x278 feet, composition, tin and copper roof, iron stairs, safety treads, waterproofing, asphalt floors, glazed brick, metal lath, metal frames and sash (heating, lighting and plumbing reserved). Bids opened as follows: Henry L. Brown, \$279,597; Cramp & Co., \$280,174; William R. Dougherty, \$286,000; Ed. F. Fonder, \$291,500; Roydhouse-Arey Co., \$299,847; Thomas Reilly, \$299,980.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alt. and add.), Wissahickon avenue and Hortter street, \$1,095. Architect, Horace Trumbauer, Land Title Building. Owner, Joseph Wasserman, on premises. Stone, 2½ stories, slate roof, hot water heat, electric lighting, canvas roof. Contract awarded to Samuel Harting, 20 East Johnson street, Germantown.

Factory, Tioga and Trenton avenue, Philadelphia. Architect, private plans. Owners, Animal Products Co., on premises. Brick, 1 and 2 stories, 64x158 feet and 21x74 feet, slag roof (heating and lighting reserved). Contract awarded to Robert Beatty & Bros., 2321 East Fletcher street, Philadelphia.

Garage (alt. and add.), 4914 North Broad street, Philadelphia \$6,000. Architect, private plans. Owners, Home Service Garage, care of J. L. Wetherill, 4914 North Broad street, Philadelphia. Brick, 1 story, 55x64 feet, slag roof, electric lighting. Contract awarded to Freund-Seidenbach Co., Bulletin Building, Philadelphia.

Fire House, Byberry, Philadelphia, \$19,870. Architects, Rankin, Kellogg & Crane, 1012

Walnut street, Philadelphia. Owners, City of Philadelphia, City Hall, Philadelphia. Brick, 1 story, slag roof, steam heating, electric lighting. Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

Garage, 6419 Overbrook avenue, Philadelphia, \$1,800. Architect, private plans. Owner, Frank Treeman, Overbrook, Philadelphia. Brick, 1 story, 20x23 feet, slate roof, electric lighting. Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Saloon (alt.), Seventeenth and Lehigh avenue, Philadelphia, \$1,000. Architect, private plans. Owner, John Bennett, on premises. Brick, 3 stories, new front, electric lighting, tile floors (fixtures reserved). Contract awarded to Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

Manufacturing Building, Memphis and Tioga streets, Philadelphia, \$4,000. Architect, private plans. Owners, Treen Box Co., on premises. Brick, 2 stories, 21x50 feet, slag roof. Contract awarded to Barnes Bros., 2080 East Willard street, Philadelphia.

PENNSYLVANIA

Construction News

Residence, Wyomissing, Pa., \$5,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owner, Charles H. Fisher, Second and Chestnut streets, Reading, Pa. Stone, 2½ stories, 28x32 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors, waterproofing. Owner is taking sub-bids.

Lodge Hall, Amityville, Pa., \$8,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Knights of Golden Eagle, Amity-

ville, Pa. Brick and stone, 3 stories, 36x52 feet, slag roof, steam heating, combination lighting. Architect taking sub-bids.

Cafe (alt. and add.), 611 Penn street, Reading, Pa. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Rauch & Aehrens, Reading, Pa. Brick, 4 stories, 30x150 feet, slag roof, steam heating, electric lighting, composition floors. Architect taking sub-bids.

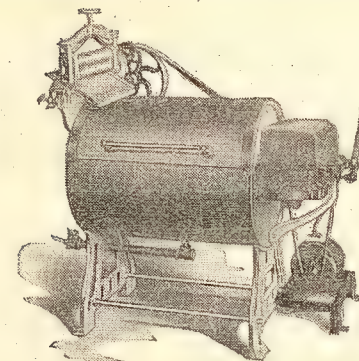
Residence, Shillington, Pa., \$4,000. Archi-

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

AQUABAR Co's. No. 3

A Dampproofing Compound
and Plaster-Bond
Possessing Merit

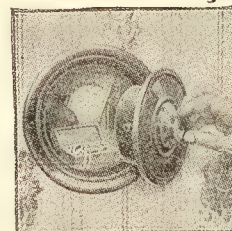
THE AQUABAR CO.

Real Estate Trust Bldg.
Philadelphia, Pa.

MEILINK WALL SAFES

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.



R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

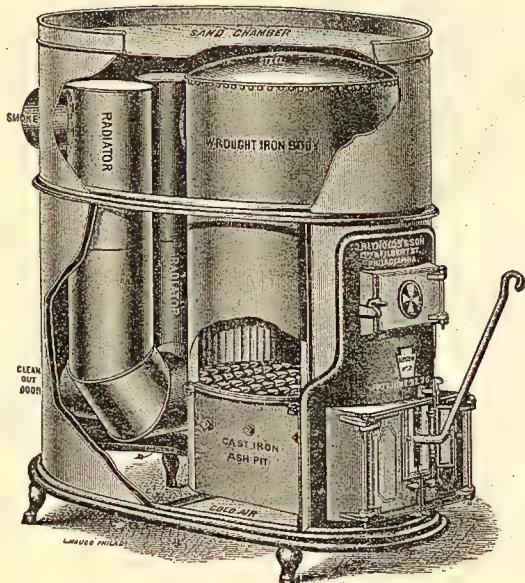
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

tect, Wayne High, 416 Penn street, Reading, Pa. Owner, Charles B. Lessig, Shillington, Pa. Brick, 2½ stories, 28x28 feet, slate roof, hot water heating, electric lighting, metal lath. Owner will take sub-bids in a week.

Apartment, 1216 North Tenth street, Reading, Pa., \$5,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Henry Seidel, 1218 North Tenth street, Reading, Pa. Brick and stone, 3 stories, 20x70 feet, slag roof, hot air heating, combination lighting. Plans in progress.

Residence, Wyomissing, Pa., \$3,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, A. N. Dunkelberger, West Reading, Pa. Brick and frame, 2½ stories, 20x60 feet, tin roof, hot air heating, combination lighting. Plans in progress.

School Building, West Reading, Pa., \$50,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Borough of West Reading, Pa. Brick, 2½ stories, 168x43 feet and 44x70 feet, composition roof, electric lighting, slate blackboards (heating separate bid). Owners taking bids, due march 15th. In addition to those previously reported, Beard Const. Co., Daniel H. Hunter, Haupt & Rentz, H. J. Randenbush, all of Reading, Pa., are figuring.

Residence, Easton, Pa., \$8,500. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Hollow tile and stucco, 2½ stories, 30x44 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors, damp-proofing. Architect taking bids, due March 20th. The following are figuring: Asa A. Bechtel, A. Smith & Son, William H. Snyder, Robert E. Snyder, Samuel Getter, all of Easton, Pa.

Residence, Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, Harlan E. Woehrle, Easton, Pa. Stone and shingles, 2½ stories, 38x33 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due March 20th. The following are figuring: Lewis E. Faulkner, Asa Smith & Son, William Snyder, Fred Lerch, all of Easton, Pa.

Residence, Pocono Summit, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, Rufus E. Miller, Easton, Pa. Stone, 2½ stories, 39x39 feet, slate roof, hot water heating, electric lighting, metal lath. Plans in progress.

Residence, South Bethlehem, Pa., \$10,000. Architect, Howard J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Abe Rifowich, South Bethlehem, Pa. Hollow tile and stucco, 2½ stories, 32x34 feet, tile roof, hot water heating, gas and electric lighting, tile work, hardwood floors, metal lath. Re-

vised plans in progress.

Residence (alt. and add.), Bethlehem, Pa., \$5,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Mrs. Clara A. Knapp, Bethlehem, Pa. Hollow tile and stucco, 2 stories, 20x36 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, William R. Strunk, 1911 Lehigh street, Easton, Pa. Brick, 2 stories, 32x30 feet, slate roof, hot water heating, electric lighting. Plans in progress.

School, Coatesville, Pa., \$110,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Coatesville, Pa. Brick and stone, fireproof, 3 stories, 136x138 feet (heating and lighting and plumbing reserved), safety treads, metal lath, weather strips, composition roof, composition floors. Owners taking bids, due March 22nd. The following are figuring: F. Roe Searing, Perry Building; F. T. Mercer Co., 1706 DeLancey street; Alex. Chambley, 243 South Tenth street; Specht & Sperry, Heed Building; William Linker Co., Heed Building; W. Beaumont, Stephen Girard Building, all of Philadelphia; W. J. Elliott, Coatesville, Pa.; W. J. Thorn, Coatesville, Pa.; J. D. Burns, Bridgeport, Pa.

Reservoir Covering, Spring City, Pa. Architect, P. H. Johnson, Land Title Building, Philadelphia. Owners, Pennsylvania State Hospital for Feeble-minded, Harrisburg, Pa. Concrete and steel, 1 story, 105x105 feet, cement tile and composition roof, waterproofing, iron fence. Owners taking bids, due March 20th. The following are figuring: Charles D. Burns, Bridgeport, Pa.; F. H. Keiser Co., Pottstown, Pa.; Bender Const. Co., Phoenixville, Pa.

Lodge and Entrance, Marple Township, Delaware County, Pa. Architect, Lindley Johnson, Harrison Building, Philadelphia. Owners, Cemetery of St. Peter and St. Paul. Stone, 1 story, 30x47 feet, tile roof (lighting reserved), iron fence. Architect taking bids, due March 12th. The following are figuring: W. J. McShane, 417 South Thirteenth street; John McShain, 631 North Seventeenth street; William R. Dougherty, 1610 Sansom street; Melody & Keating, Bailey Building, all of Philadelphia.

Automobile Show Rooms, Penn avenue and Whitfield street, Pittsburgh, Pa. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Henry A. Laughlin, West Chestnut avenue, Chestnut Hill, Pa. Brick, terra cotta and steel, fireproof, 2 stories, 100x131 feet, slag roof, steam heating, 4

LIGHTING FIXTURES

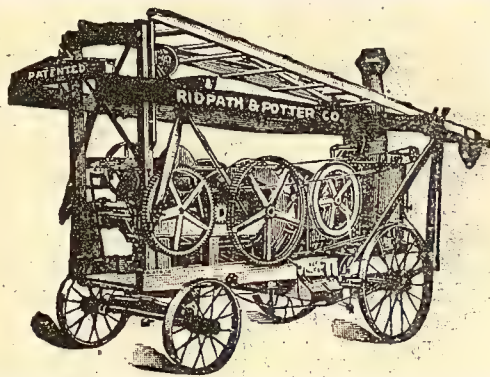
In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

elevators. Architect taking revised bids, due March 11th. The following are figuring: I. T. Shoemaker, 1309 Walnut street, all of Philadelphia; J. H. Trimble & Bros., R. C. Tennehill & Sons and H. L. Kreusler, Henry Chambers, all of Pittsburgh, Pa.

Residence, Hatboro, Pa. Architect, T. Frank Miller, 1012 Walnut street, Philadelphia. Owner, Joseph Schaeffer, Hatboro, Pa. Stone, 2½ stories, 40x50 feet, slate roof, electric lighting, hot water heating, hardwood floors. Architect taking bids, due March 10th. The following are figuring: J. S. Cornell & Sons, Land Title Building; Specht & Sperry, Heed Building, Philadelphia.

Residences (3), Bryn Mawr, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Frank Mauran, Land Title Building, Philadelphia. Stone, hollow tile and plaster, 2½ stories, shingle and slate roof, electric lighting, hot water or vapor vacuum heating, hardwood floors, canvas roof, 59x25 feet, 50x25 feet, wing 21x22 feet and 50x27 feet, wing 18x27 feet. Plans in progress. Bids in about two weeks.

Chapel (completion), Valley Forge, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut sts., Phila. Owners, Washington Memorial Chapel, Valley Forge, Pa. Stone, 1 story, 30x80 feet, slate roof, hot water heating. Architects taking bids, due March 15th. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; H. H. Burrell, 206 Quince street; Pringle Borthwick, 8018 Germantown avenue; W. H. Eddleman & Sons, 453 Green lane; Frank R. Heavner, Norristown, Pa.

Stores and Apartments, Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, M. Krohu, Easton, Pa. Brick, 4 stories, 60x110 feet, roofing not decided, steam heating, electric lighting, composition floors, ornamental iron work, vault lights. Plans in progress.

Y. W. C. A. Building, Lancaster, Pa., \$85,000. Architect, Harry C. Shaub, Lime and Orange streets, Lancaster, Pa. Owners, Y. W. C. A., Lancaster, Pa. Brick, 4 stories, 90x137 feet, slate and slag roof, vapor heating, gas and electric lighting, tile work, dampproofing. Architect is sub-letting all contracts.

Residence, Lancaster, Pa., \$3,200. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, George F. Kahlner, Lancaster, Pa. Brick, 2½ stories, 30x28 feet, slate roof, electric lighting. Owner taking bids.

Bungalow, Denver, Pa., \$3,000. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owner, Chester A. Imber, Denver, Pa. Brick, 1½ stories, 34x47 feet, slate roof, hot water heating, electric lighting. Owner taking sub-bids.

Club House (add.), Lancaster, Pa. Architect, H. H. Aungst, 112 North Queen street, Lancaster, Pa. Owners, Knights of Malta, C. S. Martin, Secretary, Lancaster, Pa. Brick, 3 stories, slate roof, steam heating, electric lighting, metal lath, waterproofing. Architect taking bids, due March 10th. The following are figuring: Herman Wohlsen, William H. Flick, J. Stumpf & Son and Samuel H. Bally, all of Lancaster, Pa.

Warehouse, Lancaster, Pa., \$6,000. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owners, Charles A. Stauffer & B. Grant Stauffer, Lancaster, Pa. Brick, 1 story, 183x40 feet, rubberoid roof, gas steam radiators, electric lighting. Architect taking bids, due March 11th. The following are figuring: Benjamin Hall, H. Wohlsen, J. B. Brennehan, Samuel H. Bally, William Flick, Samuel Jeffries, all of Lancaster, Pa.

Residence (alt. and add.), Laverock, Pa. Architects, Furness, Evans & Co., and Joseph T. Sims, Provident Building, Philadelphia. Owner, Charles Platt, 3rd, East Graver's lane, Chestnut Hill, Philadelphia. Stone, 2½ stories, 20x45 feet, shingle roof (plumbing, heating and electric work separate bids). Architects taking bids, due March 24th. The following are figuring: J. Sims Wilson Co., 1125 Brown street; F. L. Hoover & Sons, 1023 Cherry street; William H. Carr, 6004 Germantown avenue; George S. Roth & Sons, 230 East Graver's lane; James M. Stevens, 8110 Germantown avenue, Philadelphia.

Residence and Garage, Ogontz Hill, Pa. Architects, Koelle Speth Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, Henry W. Breyer, Ninth and Cumberland streets. Stone and plaster, 2½ stories, 35x95 feet, tile roof, hot water heating, electric lighting, oak floors; garage, stone, 1½ stories, 25x40 feet. Owners taking bids, due March 15th. Specht & Sperry, Heed Building; Stocker & Hastings, 1320 North Carlisle street; Joseph F. Myers & Sons, 1237 Ridge avenue; W. J. Stevens, Wyncote, Pa.; James Bartleson, Ambler, Pa.; Koelle Speth Co., Twenty-sixth and Oxford streets, Philadelphia, are figuring.

Labroatory, Primos, Pa. Architect, private plans. Owners, Primos Chemical Co., Primos, Pa. Brick and concrete, 2 stories, 48x113 feet, slag roof, electric lighting. Owners taking bids, due March 11th. James B. Flounders, 1329 Arch street, Philadelphia, is figuring.

Residence, Radnor, Pa. Architect, Charles A. Platt, 11 East Twenty-fourth street, New York City. Owner, A. J. Drexel Paul, Rosemont, Pa. Stone, 2½ stories, 57x110 feet, with two wings, 27x49 feet, shingle, slate and slag roof, metal lath, weather strips, parquet floors, waterproofing (heating and lighting reserved). Architect taking bids, due March 12th. The following are figuring: J. S. Cornell & Sons, Land Title Building; George & Borst, 277 South Eleventh street; Milton W. Young, Overbrook, Philadelphia.

School, Pottsville, Pa. Architect, Frank X. Reilly, Pottsville, Pa. Owners, Board of Education, Pottsville, Pa. Brick and stone, 3 stories, 62x132 feet, slate and slag roof, waterproofing (heating, electric work and plumbing separate bids. Owners have received revised bids.

Bungalow, Glenside, Pa. Architects, E. F. Bertollett and Raymond Mathews, 1614 Cherry street, Philadelphia. Owner, W. H. Wagner, Jr., care of architects. Stone and frame, 1½ stories, 39x29 feet, slate roof, hot air heating. Architects taking bids. Specht & Sperry, Heed Building, Philadelphia; Sanderson & Murphy, Willow Grove, Pa., are figuring.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

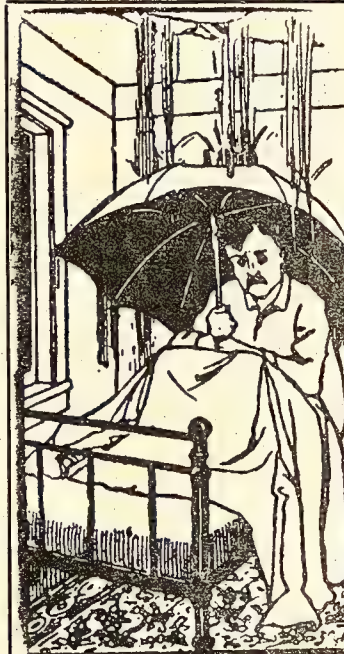
Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag
Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.

North Wales, Pa.

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

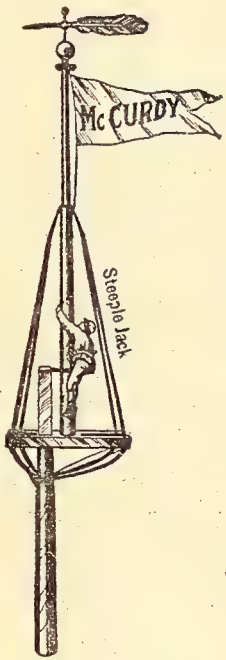
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

All Sizes

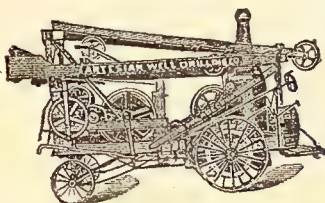
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

Pennsylvania Contracts Awarded

Church and Sunday School, Allentown, Pa., \$50,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. James' Reformed Church, Allentown, Pa. Stone, 1 and 2 stories, 45x100 feet and 35x100 feet, slate roof, steam heating, electric lighting, metal lath. Contract awarded to Ochs Construction Co., Allentown, Pa.

Residence, Drexel Hill, Pa. Architect, H. B. Peterson, 34 South Seventeenth street, Philadelphia. Owner, T. W. Barnhill, 1224 North Fifty-ninth street, Philadelphia. Stone and frame, 2½ stories, 40x60 feet, slate and canvas roof, hot water heating, electric lighting, oak floors. Contract awarded to Harry Davis, 5100 Westminister avenue, Philadelphia.

Fraternity House, State College, Pa., \$22,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owners, Phi Gamma Delta, State College, Pa. Brick, 2½ stories, 25x100 feet, shingle roof (steam heating, electric lighting, metal casements reserved). Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

New Jersey Construction News

Residence, Phillipsburg, N. J., \$5,500. Architect, A. D. Chidsey, Jr., Drake City, Easton, Pa. Owner, Charles K. Barnet, Phillipsburg, N. J. Brick, 2½ stories, 37x27 feet, slate roof, hot water heating, gas and electric lighting. Plans about completed. Architect will take bids in one week.

Apartment House, Phillipsburg, N. J., \$8,000. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, A. E. Person & A. R. Burkholder, Phillipsburg, N. J. Brick, 2½ stories, 44x52 feet, slate and tin roof, Webster system of heating, gas and electric lighting, composition floors. Architect taking revised bids. The following are figuring: R. E. Gavin, Manell & Fisher and H. J. Wentzelberger, all of Phillipsburg, N. J.

Hospital (add.), Trenton, N. J., \$50,000. Architect, George S. Drew, State Capitol,

Trenton, N. J. Owners, State Hospital for Insane, L. F. Atchley, Warden, Trenton, N. J. Brick, 3 stories, 34x250 feet, consists of kitchen wing, administration building and tunnel, slag roof, steam heating, electric lighting, composition flooring. Lowest bid submitted by the Jersey City Const. Co., Jersey City, N. J., \$48,197.

High School (alts.), Vineland, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Edgar R. Jones, Secretary, Decker Block, Vineland, N. J. Brick, 2 stories, steel stairs, metal ceilings, electric lighting, slate blackboards, kalamein doors (mechanical heating system, separate bids). Lowest bid submitted by H. E. Grau Co., 1713 Sansom street, Philadelphia, \$13,397.

School Building, Millville, N. J., \$75,000. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Board of Education, D. C. Lewis, President, Millville, N. J. Brick, stone trimmings, fireproof, 2 stories, 160x87 feet, slag roof, concrete fireproofing, metal lath, safety treads, slate blackboards, mechanical heating system, electric lighting. Owners taking bids.

School, Woodbury, N. J., \$15,000. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Woodbury, N. J. Brick, 2 stories, slag roof, electric lighting, slate blackboards. Plans in progress. Bids in about two weeks.

Picture Theatre and Store, Phillipsburg, N. J. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, Lewis Traviglin, Phillipsburg, N. J. Brick, 1 story, 40x90 feet, composition roof, steam heating, electric lighting, tile work, metal ceilings. Plans in progress.

Residence, Margate City, N. J. Architect, Herman Miller, Crozer Building, Philadelphia. Owner's name withheld. Rough texture bricks and stucco, marble trimmings, 3 stories, 20x66 feet, tile roof, hot water heating, white oak floors, electric lighting. Plans in progress. Architect will take bids in two weeks.

Chapel, Roosevelt, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, St. Mark's Church, Roosevelt, N. J. Frame, 3 stories, 48x24 feet, shingle roof, steam heating, electric lighting. Plans in progress.

Bridge Supports, Mullica River, N. J. Architect and engineer, A. H. Nelson, Bartlett Building, Atlantic City. Owners, Atlantic and Burlington Counties, N. J. Concrete and steel. Lowest bid submitted by Ed. Fay & Sons, 2 South Mole street, Philadelphia, \$74,812.

Club House, 836 Broadway, Camden, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, St. Anthony Catholic Club, 834 Broadway, Camden, N. J. Brownstone, 2 stories, 26x70 feet, slate and slag roof, steam heating, electric lighting, metal ceilings. Plans in progress.

Residences (12), North Twenty-eighth st., Camden, N. J. Architect, private plans. Owner, Harvey K. Partridge, 507 State street, Camden, N. J. Brick, 2 stories, 14x48 feet each, slag roofs, hot air heating, gas lighting. Owner taking sub-bids.

Residences (5), North Twenty-fourth st., Camden, N. J. Architect, private plans. Owner, Harvey K. Partridge, 507 State street, Camden, N. J. Brick, 2 stories, 14x48 feet

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.

each, slag roofs, hot air heating, gas lighting. Owner taking sub-bids.

Residences (7), Louis street, Camden, N. J. Architect, private plans. Owner, Emil Schulke, 1183 Jackson street, Camden, N. J. Brick, 2 stories, 16x30 feet each, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Residences (6), Ferry avenue, Camden, N. J. Architect, private plans. Owner, Louis Silversoin, 773 South Third street, Philadelphia. Brick, 2 stories, 14x28 feet, 20x62 feet, slag roof, hot air heating, gas and electric lighting. Owner taking sub-bids.

Residences (2), Whitman avenue, Camden, N. J. Architect, private plans. Owner, Karol Onderski, 1226 Everett street, Camden, N. J. Brick, 2 stories, 15x56 feet each, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Convent, Perth Amboy, N. J., \$8,000. Architect, William P. Endebrock, American Mechanics' Building, Trenton, N. J. Owner, Parish of Hungary, Rev. Father Gross, 687 Courtland street, Perth Amboy, N. J. Brick, 3 stories, 20x60 feet, slag and tin roof, hot water heating, electric lighting, tile work. Plans in progress.

Residence, Rolinsville, N. J., \$3,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Dilatash Hendrickson, Rolinsville, N. J. Frame, 2 stories, 24x26 feet, shingle roof, hot air heating. Plans in

progress.

Picture Theatre, Hall and Stores, Beverly, N. J., \$20,000. Architect, H. A. Brown, Burlington, N. J. Owners, Masonic Hall Association, Beverly, N. J. Brick, 3 stories, 70x50 feet, slag roof, steam heating, electric lighting, metal ceilings. Plans in progress.

Cottage, Glen Gardner, N. J., \$5,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, New Jersey State Hospital for Tuberculosis, Dr. English, Glen Gardner, N. J. Frame and stucco, 2½ stories, 25x65 feet, tile roof, steam heating, electric lighting, composition floors, metal lath, dampproofing. Plans in progress.

Greenhouse (add.), New Brunswick, N. J., \$4,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, New Jersey Agricultural College. Brick, 1 story, 21x45 feet, slag roof, steam heating, electric lighting, concrete floors. Owners taking bids, due March 22nd. The following are figuring: Edward Fay & Son, 2 South Mole street, Philadelphia; De Kimpe Const. Co., Hoboken, N. J.; Sardaut Bros., Somerville, N. J.; Wm. H. Sutton & Co., Jersey City, N. J.

Store (alts.), Trenton, N. J. Architect, Wm. P. Endebrock, American Mechanics' Building, Trenton, N. J. Owner, Karl Weidel, 571 East State street, Trenton. Electric lighting, new store front. Contract awarded to Edward Lee, 761 East State street, Trenton, N. J.

Miscellaneous Construction News

Normal School, Fairmont, W. Va., \$100,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Fairmont State Normal School, James S. Lakin, President, Charleston, W. Va. Brick, stone and terra cotta and steel, fireproof, 2 stories, 68x200 feet, slag and promenade tile roof, electric lighting, steam heating, iron stairs, safety treads, composition floors, metal ceilings, expanded metal lath, metal doors and trimmings, oak floors, expanded weather strip. Owners taking bids, due March 15th. The following are figuring: Metzger & Fisher, Denekla Building; George & Borst, 277 South Eleventh street; Henry L. Brown, 1714 Sansom street; Alex. Hambley, 243 South Tenth street; H. E. Grau Co., 1707 Sansom street; Charles McCaul Co., 1713 Sansom street, all of Philadelphia; David T. Riffe, Keenan Building; Perkins & Jackson Const. Co., Ley Const. Co., Park Building; Schutz, Schreimer & Clyde Co., May Building, all of Pittsburgh, Pa.; Beard Const. Co., Reading, Pa.; F. H. Keiser & Co., Pottstown, Pa.; P. W. Finn, Altoona, Pa.; Ernest Kroemer, Davies Building, Dayton, O.; The Cullen & Vaughn Co., Hamilton, O.; The Iron City Lumber Co., Youngstown, Ohio; John Lowry, Jr., 235 Fifth avenue; Emerson Building Co., 103 Park avenue; Amsterdam Building Co., 104 West Forty-second street, all of New York City; The King Lumber Co., Charlottesville, Va.; J. F. Barbour & Sons, Roanoke, Va.; J. L. Crouse, P. O. Box 642; Longest & Tessier Co., Box 108, both of Greensboro, N. C.; Rose & Beaman, Goldsboro, N. C.; Phipps & Smoot, Roanoke Rapids, N. J.; De Risco Bro., Inc., Weehawken, N. J.; Jas. I. Barnes, Logansport, Ind.; R. F. Gormley Co., Washington, D. C.; Singer Pentz Co., Equitable Building, Baltimore, Md.; The Charles L. Stockhausen Co., National Marine Building, Baltimore, Md.; Ragland-Baxter-Morford Co., Nashville, Tenn.; The Ohio Building and Construction Co., 1434 Main street, Cincinnati, Ohio; W. A. Richman, Moorestown, N. J.; J. L. Walker & Co., Chesapeake, Va.; Butz & Clader, Allentown, Pa.; Willing Bros., Bellevue, Ohio; T. L. Burchinal, John M. Kisner & Bro. Lumber Co., Holbert & Spedden, all of Fairmount, W. Va.; R.

R. Kitchen & Co., Wheeling, W. Va.; Harris & Spindler, Wheeling, W. Va.; The Gates Building Co., Wheeling, W. Va.; C. W. Nulty, Charleston, W. Va.; C. Harrison Smith, Huntington, W. Va.; A. L. Shockey, P. O. Box 92, Huntington, W. Va.; D. T. Burton, C. E., Moundsville, W. Va.; P. Q. Schrage & Son Co., Keyser, W. Va.

Club House, Middletown, Del. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owners, New Century Club, Middletown, Del. Hollow tile and plaster, 1½ stories, 50x50 feet, shingle roof, electric lighting, hot air heating. Architect taking bids, due March 12th. The following are figuring: W. D. Haddock & Co., Wilmington, Del.; W. S. & A. M. Culp, Chestertown, Md.; James W. Johns, Warwick, Md.; W. L. Torbert, Laurel, Del.

Cotton Plant, La Grange, Ga. Architect, Park Dallas, Atlanta, Ga. Owners, Hillside Cotton Mills Co., S. Y. Austin, general manager, La Grange, Ga. Consists of mill building, 3 stories, brick, 132x315 feet, boiler and engine room, 20 warehouses, 1 story, 76x81 feet, office building, 1 story, brick, 30x50 feet, and 125 tenant houses, slag roofs, electric lighting, steam heat, steel stack, waterproofing, asphalt floors, maple floors. Architect taking bids, due March 16th. Irwin & Leighton, 126 North Twelfth street, is figuring.

Bank, Lynchburg, Va. Architect, Alfred C. Bossom, 366 Fifth avenue, New York City. Owners, Lynchburg National Bank. Stone and brick, fireproof, 1 story, 40x124 feet, slag and tile roof, electric lighting, steam heating, metal lath, dampproofing, waterproofing, composition treads. Architect taking bids, due March 18th. Metzger & Fisher, Denekla Building; James H. Wells, Heed Building, Philadelphia, are figuring.

"The Guide" is now covering Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia, Ohio and Illinois. And it's growing, growing, growing.

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

**622 Cherry Street
PHILADELPHIA - PA.**

You Can Now Buy

A No. 450 Acorn or

A No. 467 Eclipse

Cabinet Gas Range

at about the same price as a double oven range.

\$21.75

\$2.25 down—\$2.00 a month.

5% off if bought for cash.

At any "U. G. I." store, or from representatives.

**THE UNITED GAS
IMPROVEMENT CO.**

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

When you've got something to say on a matter of trade interest, write it and send it to "The Guide." Or if you don't care to write it, call up "The Guide," and one of "The Guide's" men will call and shape it as an interview. "The Guide" is always glad to get matter of that kind, and is never too busy to go after it.

A retailer may fool himself by failing to charge all of his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—Ex.

MARYLAND Construction News

Residence, Guilford, Md. Architect, J. C. Spedden, 1926 Light street, Baltimore, Md. Owner, Robert Biggs, Law Building, Baltimore. Hollow tile and plaster, 2½ stories, slate roof, hot water heating, electric lighting. Architect taking bids. The following are figuring: E. G. Turner, 15 East Fayette street; J. J. Moylan, 17 East Center street; Roland Park Co., Roland Park; Gladfelter & Chambers, 2072 Woodberry avenue, all of Baltimore, Md.

Residences (43), Samuel Ready Place, Baltimore. Architect, George F. Lang, 107 S. Patupent street, Baltimore. Owners, Frank Novak Realty Co., 744 North Kenwood avenue, Baltimore. Brick, 2 stories, 15x45 feet each, tin roof, steam heating, electric lighting. Owners are sub-letting all contracts.

Residence, Cedarcroft, Md. Architect, E. L. Palmer, Roland Park, Md. Owners, Cedarcroft Land Co., Cedarcroft, Baltimore, Md. Frame, 2½ stories, 25x35 feet, slate roof, steam heating, electric lighting. Architect will soon take bids.

Residences (56), North Smallwood street, Baltimore, \$96,000. Architect, private plans. Owner, Walter L. Westphal, 1700 North Bond street, Baltimore. Brick, 2 stories, tin roofs, steam heating, electric lighting. Owner is sub-letting all contracts.

Warehouse, Sharp street, Baltimore, Md., \$25,000. Architect, J. C. Spedden, 1926 Light street, Baltimore. Owner, I. J. Schlesinger, 2011 Madison avenue, Baltimore. Brick, 3 stories, 18x65 feet, slag roof, steam heating, electric lighting. Architect taking bids, due March 20th. The following are figuring: W. E. Harn Co., 213 North Calvert street; R. B. Mason, 308 West Madison street; Fidelity Construction Co., 1906 West Lexington street, all of Baltimore.

Residence, Roland Park, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, C. Y. Peyton, 310 West Pratt street, Baltimore, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting, hardwood floors. Owner taking bids.

Residences (28), Bentalow street, Baltimore, Md., \$56,000. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, George S. Klein, 2909 Lorman street, Baltimore. Brick, 2 stories, 14x50 feet each, tin roofs, steam heating, electric lighting. Owner is sub-letting all contracts.

Warehouse (add.), Bradford and Orleans streets, Baltimore. Architect, private plans. Owner, John Kirchner, on premises. Brick, concrete and steel, 3 stories, slag roof, electric lighting. Contract will probably be awarded

to Edward Pilert, 15 East Fayette street, Baltimore, Md.

Ball Park (alts.), Baltimore, Md. Architect, O. G. Simonson, Maryland Casualty Building, Baltimore. Owners, Federal League of Baltimore. Architect taking bids. The following are figuring: R. B. Mason, 308 West Madison street; Consolidated Engineering Co., Calvert Building; Monmonier & Sorrell, 1711 McCulloh street; Cowan Building Co., 106 West Madison street.

Lunch Rooms (alts.), 606 East Baltimore street, Baltimore. Architect, private plans. Owner, Joseph Soysher, 104 Market Place, Md. Slag roof, steam heating, electric lighting. Owner ready for bids.

Store Building (alts.), Park avenue and Lexington street, Baltimore. Architect, private plans. Owners, S. S. Kresge Co., 113 West Lexington street, Baltimore. Consists of new store front and remodeling of interior, electric lighting. Owners are taking bids.

Warehouse, Charles and West streets, Baltimore, Md. Architect, J. C. Spedden, 1926 Light street, Baltimore. Owners, L. W. Allers & Son, 1138 South Charles street, Baltimore. Brick, 2 stories, 85x65 feet, slag roof, steam heating, electric lighting. Owners will soon take bids.

Coal Bins, Pier No. 2, Pratt street, Baltimore, \$5,000. Architect, private plans. Owners, Arundel Sand and Gravel Co., on premises. Concrete, 1 story, 47x26 feet. Owners are building.

Garage, South Bethel street, Baltimore. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Frank Baumeister, 9 South Bethel street, Baltimore. Brick, 1 story, 50x53 feet, tin roof, electric lighting. Owner is sub-letting all contracts.

Garage, 2702 Harford avenue, Baltimore. Architect, J. C. Spedden, 1926 Light street, Baltimore. Owner, Annie Diegleman, on premises. Brick, 1 story, tin roof, electric lighting. Architect taking bids. R. B. Mason, 308 West Madison street, is figuring.

Residence and Garage, Guilford, Md. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, Robert F. Roberts, 106 South street, Baltimore, Md. Brick, 2½ stories, 32x65 feet and 20x20 feet, slate roof, warm air heating, electric lighting, oak floors. Architects taking bids, due March 12th. The following are figuring: E. G. Turner, 15 East Fayette street; Roland Park Co., Roland Park; R. E. Chambers, Thirty-sixth and Roland avenue; Gladfelter & Chambers, 729 Roland avenue; G. Walter Tevell, Eutaw and McCulloh streets, all of Baltimore, Md.

plans. Owner, George R. Bullion, 309 North Howard street, Baltimore. Consists of new store front and interior alterations. Contract awarded to P. J. Cushen, 217 St. Paul street, Baltimore.

Residences (22), Dukeland street, Baltimore. Architect, Roy Gerwig, 1811 Ashburton street, Baltimore. Owners, Alert Building Co. Brick, 2 stories, 14x45 feet each, slag roof, steam heating, electric lighting. Contract awarded to Robert Forrester, 2019 West North avenue, Baltimore.

Residences (2), Ten Hills, Md., \$15,000. Architect, Henry J. Tinley, St. Paul and Saratoga streets, Baltimore. Owners, Ten Hills Corporation, Title Building, Baltimore. Frame, 2½ stories, 26x35 feet each, slate roofs, steam heating, electric lighting, hardwood floors. Contract awarded to J. Henry Smith, 1426 Light street, Baltimore, Md.

Residence and Garage, Belair avenue, Baltimore, \$8,000. Architect, private plans. Owner, Edward Kress, 2506 East North avenue, Baltimore, Md. Brick, 2 stories, 13x45 feet and 16x22 feet, tin roof, electric lighting. Contract awarded to William Freitag, 918 North Bond street, Baltimore.

Store (alts.), 1012 West Lexington street, Baltimore, \$3,000. Architect, private plans. Owner, Nathan Friedman, on premises. Brick, 1 story, electric lighting. Contract awarded to Henry L. Maas, 1119 Ensor street, Baltimore, Md.

Hospital, Easton, Md., \$50,000. Architects, Guy King Co., 1513 Walnut street, Philadelphia, Pa. Owners, Emergency Hospital, Hampton Howell, Secretary, Easton, Md. Brick, hollow tile and plaster, 4 stories, 58x118 feet, slate and slag roofs, steam or vapor heating, electric lighting, composition floors (weather strips, elevators and laundry machinery reserved). Contract awarded to W. A. Richman, Moorestown, N. J.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 25, 1915.—Sealed proposals will be received at this office until 3 P. M. March 29, 1915, and then opened, for coal-handling apparatus, etc., in the United States Mint at Philadelphia, Pa., in accordance with drawing and specification, copies of which may be had at this office or at the office of the custodian, United States Mint, Philadelphia, Pa., in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 23, 1915.—Sealed proposals will be opened in this office at 3 P. M., April 2, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of a one-story and basement stone-faced building of 9,100 square feet ground area, fireproof construction, composition roof, for the United States post office at Plainfield, N. J. Drawings and specifications may be obtained from the custodian at Plainfield, N. J., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

MARYLAND Contracts Awarded

Residence, Baltimore County, Md., \$5,000. Architect, private plans. Owner, John E. George. Frame, 2 stories, 20x28 feet, slate roof, steam heating, electric lighting. Contract awarded to John J. Moylan, 117 East Centre street, Baltimore, Md.

Residence (alts.), Charles street, Baltimore. Architect, Howard Sill, 11 East Pleasant st., Baltimore. Owner, Robert Garrett, on premises. Frame, 2½ stories, slate roof, electric lighting. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore.

Warehouse, Clarkson street, Baltimore, \$10,-

000. Engineer, W. O. Sparklin, Law Building, Baltimore. Owners, American Oil Co., American Building, Baltimore. Brick, 1 story, 30x60 feet, slag roof, electric lighting. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore, Md.

Stable, Hickory avenue, Baltimore, Md., \$1,500. Architect, private plans. Owner, H. S. Davis. Brick, 1 story, 20x52 feet, tin roof. Contract awarded to Milton C. Davis, 637 North Calvert street, Baltimore, Md.

Store Building (alt. and add.), 800 North Howard street, Baltimore. Architect, private

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Walter Royland (O), Dexter and Lyceum streets. Cost, \$4,000. Two dwellings, brick, 2 stories, 16x38 feet, Fleming and Green lane. Cost, \$4,200. Two dwellings.

C. M. Strohman (O), 2724 North Fifth street. Cost, \$25,000. Ten dwellings, brick, 2 stories, 15x40 feet, Sixteenth and Ruscomb streets.*

W. F. Minzer (O), 4322 Lancaster avenue. Cost, \$4,000. Store and dwelling, brick, 20x65 feet, 4313 Lancaster avenue.

L. D. Smith (O), 2552 Mutter street. Cost, \$4,000. Two dwellings, 2 stories, 16x28 feet, Front and Cortland streets.

W. Fischer (O), 3621 North Fifth street. Cost, \$6,000. Four dwellings, brick, 2 stories, 15x30 feet, Carlisle and Wyoming avenue.

Daniel Crawford, Jr. (O), 701 North Sixty-third street. Cost, \$60,000. Apartments, brick,

4 stories, 44x56 feet, Sixty-third and Oxford streets.

R. H. Pugh (O), 5713 Market street. Cost, \$70,400. Thirty-two dwellings, brick, 2 stories, 15x32 feet, Fifty-sixth and Thomas avenue. Cost, \$61,600. Twenty-eight dwellings. Cost, \$5,000. Two dwellings.

M. Kirspinski (O), 4559 Stiles street. J. Bolly (C), 4640 Melrose street. Cost, \$3,800. Two dwellings, brick, 2 stories, 15x55 feet, 4636 Stiles street.

F. Spigno (O), 760 South Ninth street. J. Ermilio (C), 932 Hoffman street. Cost, \$4,000. Dwelling and store, brick, 3 stories, 18x36 feet, 760 South Ninth street.

City of Philadelphia (O). P. J. Hurley (C), 1233 Cherry street. Cost, \$51,890. Nurses' Home, brick, 4 stories, 39x119 feet. Cost, \$68,925. Building, brick, 1 story, 59x278 feet, Second and Luzerne streets.

Alterations and Additions

J. T. Murphy (O), 1226 West Erie avenue. W. J. Jones (C), 2927 North Fifth street. Cost, \$2,900. Dwelling, alteration and addition, 2635-37 East Somerset street.

Helman Bolaben (O), Sixteenth and Morris streets. P. Cherkfsky (C), 711 Jackson street. Cost, \$800. Store and dwelling, brick, 2 stories, 10x12 feet, 2330 South Seventh street.

D. Borden (O), 410 School lane. Moore & Graham (C), 6224 Wissahickon avenue. Cost, \$800. Residence and garage, stone, 2 stories, 11x22 feet and 9x12 feet, 410 School lane.

Forrest Theatre (O), Broad and Sansom

streets. F. W. Van Loon (C), Denckla Building. Cost, \$500. Theatre booth, Forrest Theatre.

Hilton Dyeing and Finishing Co. (O), 2712 Jasper street. G. H. Thirsk (C), 2739 Jasper street. Cost, \$7,400. Dye house, brick, 1 story, 90x136 feet, 2712 Jasper street.

J. K. Mickel (O), Roxborough, Pa. G. H. Yarnall (C), 7533 Ridge avenue. Cost, \$850. Dwelling, brick, 2 stories, 16x18 feet, Roxborough.

G. B. Leitch (O), Seventh and Medary avenue. C. E. Lloyd, Jr. (C), Oak Lane, Philadelphia. Cost, \$1,000. Garage, 19x20 feet, frame, 1 story, Seventh and Medary avenue.

PRACTICAL IDEAS FOR PRACTICAL ARCHITECTS

Value of Maximum Results at a Minimum Cost as Compared with Architectural Creations.

Common sense is the current coin in life, and unless a work of art or architecture can stand the test of this touchstone it is questionable to my mind if it has a right to existence. In ancient times a thousand men would work for several generations to construct a building to honor the name of some individual or family, or to the honor of some nation or ruler's god. That was possible where one man had control over the lives of thousands of other men. It is not possible to-day under modern conditions, and looking at it from an economic standpoint few thoughtful men would consider it to be right to sink the production of a large per cent. of a community's efforts for a hundred years, or any length of time, to the honor of anyone.

A person who is a member of any profession is very liable to get a narrow view and to

think that the whole world should pivot on his particular line of work. Instead of practicing his profession that he may serve the community in which he lives for the benefit of the common good, he is very apt to talk in a bombastic way about educating the public up to his ideals, so as to get the public in an attitude of mind where they will serve him instead of being served by him.

I think it is as much of an honor for an architect to take a little money and by using ingenuity in devising and scheming out methods of getting maximum results at a minimum cost, and by the use of judgment to select inexpensive yet durable materials to enter into the construction of a building, as it is for another man to take a million dollars from a commonwealth and construct a creditable architectural monument, and is not capable of doing the former. The latter man in

his high and mighty condescending way rather is inclined to look down upon his more humble brothers, considering them of mediocre ability compared to himself, in that they have never had an opportunity to show what they could do, and if our high and mighty friend has the misfortune to have a client call upon him who desires to get one hundred cents' value for every dollar he puts into a building he rather feels inclined to be insulted and talks to his fellow architect of the mean and penurious state of mind in which our modern business man grovels. I consider a man who can do the first kind of work deserving of much greater credit than the one who doesn't.

I have at times been afflicted with this disease myself, but have always striven to overcome it, as I consider it one of the most dangerous states of mind and attitude which the individual or the profession at large can get into, concerning the public, whom they are expected to serve in an architectural capacity.

There is an old saying which runs something like this, that the man who can make two blades of grass grow where only one blade grew before is of much greater value to a community than a whole race of politicians combined.

I would be one of the last to cry out in the interests of inferior work, but I do believe in the eternal fitness of things, and I am ever attempting to be broad-minded enough to see a building project, or any other kind of a project, from all points of view, and if any financial client sees nothing but the profit and loss side of the project, I am at least somewhat in sympathy with him and can work sympathetically and harmoniously with him in developing his ideals and in guiding him in a manner so that I can inject some of my ideals into the architectural composition which we are attempting to create in brien and stone.

I think there is nothing which the public resents to so great an extent in the architectural profession as this attitude of an architect towards them. They go around to an architect and desire something which is reasonable in cost, and sometimes perhaps they are unreasonable, expecting a great deal more than they can get for a certain amount of money, but in a great many cases they are not at fault, and we, as their architectural advisers, after we have worked up their scheme, see where we could better it by adding this here and the other thing there and putting on touches over in the other place and have suggested these various things to them, until they have reached the point where they think themselves, it would spoil the building should they leave any of them off, and as a result at the day of the letting the building runs from 25 to 50 per cent. in cost above the amount that they desired to expend, and as a result there is something doing. They claim that we told them that they could add these things at no extra cost, and we claim that when we suggested these things to them they agreed to them and desired them. By our suggestion we have awakened

(Continued on page, 162.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., MARCH 10, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Maurar, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Brockie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John F. Harbeson
Vice-President.....Herman L. Duhring
Secretary.....Frederick A. Muhlenberg
Treasurer.....Walter Mellor
Directors—Clarence C. Zantinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

That "The Guide's" "Build Now" slogan was a popular one is evidenced by the unanimity with which it has been taken up by building trade magazines throughout the country. Everywhere the "Build Now" arguments are being taken up, endorsed and repeated, with the result that something resembling a "Build Now!" movement, national in scope and spontaneity is making its appearance.

"The American Contractor," one of the oldest and most conservative publications of its type in the United States, says of the "Build Now" campaign:

"This is not a new topic—'building now.' It has been preached steadily, though somewhat modestly, for the past two or three months. It has been urged by those in a position to appreciate the advantages to the builder by those who appreciate the advantage to the community, and by those who appreciate the advantage of its promulgation as news matters. There is something about the slogan 'build now' that appeals to the American temperament. It seems to imply the ability of everybody to build at any time, which implied financial ability is quite soothing to the nerves. But though to some of us there may be pecuniary obstructions to the complete realization of our building plans, there can be no doubt that if all those who have building plans, and who are in a position to finance the same, were to heed the advice, so commonly encountered these days in the public press to 'build now,' construction work would be quickened very perceptibly and all parties thereto would be greatly benefited.

"The reason for building now is perhaps the most ancient and primitive adage of trade, namely, to 'buy cheap and sell dear,' as it is sometimes phrased. The observance of that adage brings wealth and prosperity to every one of its followers. It has been practiced during untold ages and by all nations and in all branches of trade. Perhaps the reason why special stress has been laid upon it recently in connection with the building trade is that the opportunities for its practice have not existed here for years. It is an opportunity that may come only once in a lifetime. And hence all the more reason why advantage should be taken of it."

That local operators have been quick to see the force of "The Guide's" "Build Now" propaganda is evidenced by the sudden boom which has shown itself in dwelling house construction. In the Cobb's Creek section of West Philadelphia, the outlying northeast section, Germantown, Logan and South Philadelphia, permits have been taken out within the past month for rows of this class of construction. Now that the bigger element among investors are showing a disposition to follow suit, there is every indication that the spring months of 1915 will show

an average of activity in the structural field such as will compare favorably even with the boom period in former years.

"The Guide" is proud of the results which have followed its "Build Now" campaign, and still prouder of the fact that these results have not been confined to the local field, but have made their appearance here and there all over the United States. It proves conclusively that the depression which seemed so threatening last fall was, as President Wilson declared at the time, largely psychological rather than actual, and that a war three thousand miles away furnished no valid reason why the wheels of industry should clog, rust and exhibit a tendency to disintegrate in one of the few nations of any consequence not directly concerned.

The cement war, now raging fiercely, supplies still another reason for building now,—a particularly persuasive reason to the investor contemplating reinforced concrete construction, in that cement has at no time in its history reached the low mark in price now quoted. With money plentiful, labor cheap, materials at the easiest figures ever known, cement making new records for low price and ground selling for less money than at any previous period in the history of realty, the investor who hesitates shows a woeful lack of the business acumen that makes for lasting success.

The time to build is here—and now—before the boom that is imminent sends labor and materials soaring to average prices or beyond. All of which is only another way of saying what we have been reiterating for months past, and that it—"Build Now!"

* * *

Newark, New Jersey, has set an example in the matter of arranging for a civic celebration that may with profit be adopted by metropolitan communities. Newark purposes to celebrate in the not distant future the 250th anniversary of the granting of the city's charter. To prevent the decorative features of this celebration from being marred by the bad taste of ordinary designers, the committee in charge has decided to empower a sub-committee composed of members of the New Jersey Chapter of the American Institute of Architects to have charge of every phase of this feature of the proposed anniversary. The idea is to avoid the incongruities and puerilities in design that in other celebrations of the kind have done so much to offend the canons of taste and that have called forth much unfavorable and not infrequently merited criticism.

* * *

Supplementing the observations in a recent number of "The Guide" from the pen of Mr. Starrett touching the disposition of New York City real estate to undergo strange and often unaccountable depreciation, the "New York Sun" remarks:

"Real estate men are under the necessity of learning anew the values of property throughout the greater city by reason of the extensive changes that have come over great sections during the last few years which have left their marks of decreased values. When it is found that property is selling for \$1,200 a front foot on a street where \$3,000 a front foot was refused only four years ago, and when a property is peddled about for \$300,000 that could not have been bought for less than half a million three years ago, the time has arrived when a wide readjustment of values must be noted.

"Depreciation in certain sections has been going on for several years as the realty experts and the public press have taken occasion to show. In some quarters this change is attributed to changing business centres, and that those who hold this opinion are right is evidenced by the steady decline of values throughout the old wholesale district north of Chambers street and west of Broadway. There are many who put the whole reason for the decline in values to over-inflation during the period of the recent boom, and they point to many properties which are valued so highly that they cannot be made to pay incomes in competition with similar properties. Nobody will deny that the movement of foreign and negro population has done much to affect former values, and the best illustration of this phase is cited in the negro invasion of Harlem, which is taking millions of dollars every year from realty worth."

* * *

A large part of the opposition which is gathering to the Taylor Transit Plans, here in Philadelphia, has its rise in a growing fear on the part of holders of central realty that the rapid development of outlying sections which is certain to result from the adoption of these plans will exercise a more or less depressing effect on values in the congested sections. The argument is that the opening up of these new sections will draw thousands of residents away from the older sections of the city into these newer and more desirable localities with a resultant loss to the present holders of central realty. "The Guide" has been advised that within the past few days there have been efforts to organize certain building and loan association interests against the Taylor plans because of the feeling that the execution of these plans would reduce, if not seriously impair, the renting income from parcels of central realty in which these associations are interested as mortgage holders.

* * *

The American Civic Association is just entering on its second decade with a record of great achievement in the public interest. The convention was a notable event. The address of Mr. Arnold W. Brunner, of New York, brought out fully the influence of surroundings on the accomplishment of our lives, and Mr. Thomas Adams presented his address on the "Economic Basis of City Planning," and it was of the greatest interest to those who believe that American communities can be made better, both by planning

and replanning. The secretary's presentation in respect to model German suburbs was full of interest, as was also Mr. George B. Ford's account of New York's action in controlling its physical growth. Mr. Jesse Lee Bennett gave the present legal status of the billboard, and then two representatives of the Billposters' Association of America attempted to "make good" by showing how fine the billboard was, and how much finer it was going to be; how good they were now, and how much better they hoped to be. These gentlemen were unable to make any serious headway in replying to the acute queries put to them; but, in the interest of fairness, a committee of three on billboards was authorized to confer with a similar committee of the Billposters' Association, to see if there were any possible basis of mutual agreement.

The American Institute of Architects met jointly with the American Civic Association on the last day of its session with R. Clipston Sturgis, its president, in the chair. In a terse and sententious introductory greeting, Mr. Sturgis presented the important relation of the architects to all matters of civic improvement, and the greetings of his organization to the American Civic Association. Mr. Adams again spoke on "The Architect and City Planning," and with illustrations enforced his showing of the economy and profit, as well as the sociological value, of sane city planning. Official interference with the horrors of design in building and in decoration often "wished" on American communities was picturesquely given to the audience by Mr. Andrew Wright Crawford, secretary of the Art Jury of Philadelphia. It is obviously no longer necessary for self-respecting communities to submit to bad taste in civic architecture. There should be many more municipal art commissions. With Mr. A. R. Pardington the association joined in an interesting survey of the great Lincoln Highway.

* * *

The T-Square Club competition for a semi-detached house, for a prize of \$500, donated by John H. McClatchy, a well-known local operative builder, brought out a number of new and original ideas in this field of design.

The requirements of the competition called for a semi-detached house, with a frontage of 16 feet 4 inches, fronting on a 25-foot lot, located on the Northeast Boulevard, facing Hunting Park, west of Tenth street, and to be set back 20 feet from the building line. The competition called for the front elevation only and the rendering was optional.

One hundred and ninety-three drawings in all were submitted by contestants, 102 from Philadelphia, 67 from New York, 14 from Boston and 10 scattering. The Jury of Award, consisting of Thomas Shallcross, president of the Philadelphia Real Estate Board; H. Brocklehurst, builder, and M. B. Medary and G. H. Bickley, architects, made the following awards:

First prize—No. 173—Mr. H. Bartol Register, 1012 Walnut street, Philadelphia.

Second prize—No. 172—Mr. Antonio di Nardo, 1115 Spruce street, Philadelphia.

Third prize—No. 157—Miss Helen C. Sowden, 34 South Sixteenth street, Philadelphia.

Fourth prize—No. 176—Mr. Pope Barney, 3731 Locust street, Philadelphia.

Honorable mention to:

No. 17—Mr. W. E. Groben, 1211 Arch street, Philadelphia.

No. 86—Mr. O. H. Thorp, 101 Park avenue, New York.

No. 163—Mr. J. P. Klinges, Jr., 1012 Walnut street, Philadelphia.

No. 140—Mr. R. A. Taylor, 925 Chestnut street, Philadelphia.

No. 72—Mr. C. H. Chillman, 127 West Logan street, Germantown, Philadelphia.

No. 183—Mr. C. L. Wenkenbach, 1705 North Sixtieth street, Philadelphia.

No. 83—Mr. Gabriel G. B. Rothkugel, 3765 North Bouvier street, Philadelphia.

No. 20—Mr. J. V. Phelen, 1211 Arch street, Philadelphia.

No. 6—Mr. A. Raymond Holland, 1218 Chestnut street, Philadelphia.

No. 169—Mr. H. B. Register, 1012 Walnut street, Philadelphia.

No. 186—Mr. C. S. Parker, 1227 West Hilton street, Philadelphia.

No. 110—Mr. Samuel D. Hawley, 3122 West Penn street, Philadelphia.

No. 139—Mr. A. C. Howard, Wallingford, Pa.

No. 103—No card.

* * *

The Esquisse for the Class A problem—"The Treatment of the Banks of a River"—was taken Saturday, February 13, by B. F. Olsen, R. T. Irons, S. A. Love, W. Campbell, F. Hoptle, S. Lachenski, C. Fuller, B. Frank and E. B. Baker. A prize of \$50 will be given by the Municipal Art League, of New York, for the best solution of this problem.

S. A. Love, T. Ash, S. Lachenski, F. Hastings, C. Keyser, F. Latshaw and W. P. Barney are competing for the Cope prize, which is given each year for the best solution of a municipal problem in the city of Philadelphia.

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



PRACTICAL IDEAS FOR PRACTICAL ARCHITECTS.

(Continued from page 159.)

within them a desire for that which they are unable to pay for, and as a result, unless they can get that building which we have, unintentionally perhaps, worked them up to, they will never be satisfied.

As in most cases, the client when he confided in us gave us the limit of the amount which he would put into his building, the amount being in a great many cases the maximum amount of money which he could raise, or which he is satisfied at least to raise, and as a result he either gives up the project or cuts down the building to what it should have been in the first place, and is forever dissatisfied with the building and the architect who designed it. He goes out in the community in which he lives, telling his neighbors and friends to beware of the architect, as an individual and as a professional man, as he is a deceit and a snare. The architect has lost a great deal of good business, and to a certain extent has lost the confidence of the public in him, more perhaps due to his lack of tact and judgment in seeing and appreciating the eternal fitness of things and governing himself accordingly than all other things combined.

In the interests of the great profession of which we are representatives, and in the interests of the common good—the great public whom we are here to serve—let us attempt to correct this thing by cutting down the building and getting the ideals of our client thinned down to about the size of his purse before we start in to make his drawings, or put his plans and specifications at least, out to bidders for their proposals.

I have known artists who, with a few cheap

tools and with a dearth of materials, have produced a beautiful work of art, a work with more merit than that of other artists who were unlimited as to tools and materials. I have known of girls who were young, healthy and of an artistic temperament, take \$7.50 and go to the country store and make a few purchases of inexpensive materials, and by the use of skill and gumption produce an outfit which, with themselves as a part of it,

surpass in beauty other young ladies who expended \$750.00 and had a fashionable dress-maker to assist them, and yet when done and they became a part of said outfit they did not rank ace high with the former ones. Of course, I do not expect you or I can equal the young ladies who were their own dress-makers, but at least we can best serve our clients by approximating them.—“San Francisco Architect and Engineer.”

AN ARCHITECT'S IMPRESSIONS OF A WONDERFUL EXPOSITION

On that narrow island promontory, hemmed in by two broad rivers, whose waters chafe for the last time their binding margins, ere they merge and are lost forever in the sea, stand the towers and turrets of our eastern gateway.

A city audacious above all others, from its feet planted in the rock, far below the rush of waters, to its wind-swept summits that soar above the level stretches of the earth into the exalted places of the cloud and sky.

A city rampant in expression of individualism, the ultimate in separativeness, a cry of self for self and self alone, the antitheses of communism, a contradiction in terms of that national illusion, wherein it is presumed that the rights and convictions of the many shall transcend the desires of the few. A city of giants and pigmies, giant calling unto giant, across the silent voids that lie over the roof tops of humbler habitations, habitations whose very existence is all but forgotten in the pride and arrogance of these skyscraper monsters.

Far down the bay, where sea and river meet, these grey masses of the cities' towers and bastions rise as the peaks of distant mountains from out the hollows of the deep, and at night when the lengthening shadows have darkened the streets below and the dying splendor of the day has gilded for the last time the pinnacles of the city's towers, and the darkness of night descends, then from out the firmament a myriad of lights gleam forth, holding us spellbound, as we stand in wonderment, endeavoring to discern which are the lights of earth and which the lights of sky.

This is the city of individualism.

From ocean to ocean is but a step; behind us are the grey waters of the Hudson and the green of the Atlantic, green and full of action; and in front the blue of the Pacific, soft and rippling, rippling with the innumerable laughter of the sea.

You of the East the morning's dawn embrace,
We of the West day's dying splendors face,
And in its golden bars a glorious morrow trace.

This is the utmost limit of my land,
And here perforce the ocean bids me stand.
And here in majesty of queenly state,
I rear the city of the Golden Gate—

A city on whose head a crown shall shine;
Not of the East nor West, but every clime;
Flower and fruition of all hope, all time.

A narrow inlet from the sea connects the broad waters of the ocean with the landlocked bay of San Francisco. From the heights of the city we look down upon this narrow channel a few miles in width and length; gleaming waters, blue and radiant in perpetual sunshine and beyond the purple walls of the everlasting hills. At our feet and about two hundred yards below and fringing the level shore line of the bay are the buildings that are to be the meeting place of the nations in friendly industrial rivalry, an assemblage of the arts of peace. In the distance purple mountains, at their feet a stretch of liquid turquoise, and as a margin, coral in pink and white, mingled with the colors of sea shells.

Domes and towers, arcades, long stretches of unbroken wall surfaces, punctuated at intervals by gorgeous doorways vivid with the tints of dawn and twilight.

Domes that mingle the green of earth with the blue of sky and walls, that reflect all the tawny tints of the hot grass of summer and the desert sand, amber and red of sun-scorch-ed rock and the soft blue of distant hills.

As viewed from these hilltops the scene is certainly looking down upon a city of enchantment and far transcends the effect produced when individualism runs rampant.

If the towers of the Hudson stand for individualism, and they do so stand mightily, surely this composition of the Panama Exposition may be taken as an earnest of that time when some form of socialism, communism, unity of purpose, common weal, brotherhood, universal sympathy, call it what you please, shall inspire us with one hope and one faith, when we shall march side by side, each for all and all for each. Gathered together, having one shepherd and one fold.

Architects, artists, sculptors and an enlightened public are continually asking why it is that we cannot build or paint or mould as they did in ancient Greece, in the days of the renaissance or in medieval times. And while there may be no single answer, one thing appears evident, that we cannot hope for any marked improvement until we again reach a period when national (and that I imagine means universal) homogeneity of

thought and action shall give way to that heterogeneity that divides a house against itself, divides it at least along many if not all lines.

In the process of the suns, we in our time have arrived at that point at which we find ourselves adrift, broken loose from the sheet anchor of some specific faith; yet without such, rudderless, and driven about by every wind of doctrine. In architecture we lack independence, believing in everything, we believe much in nothing, or if perchance we have some national beliefs they do not as yet include art and architecture, and thus we renounce all independence, have no courage of conviction, no expression to make of ourselves, but have become as vampires, endeavoring to draw vitality from the forms of a more vigorous past, reclothing the dry bone of antiquity in habiliments not their own. Such resurrection can at the best be but a poor substitute for that creation which is bone of our bone and flesh of our flesh, and vitalized by the blood of a day that has not passed.

There shall be one shepherd and one fold. This means a fixed faith, recognized social conditions, contentment and placidity, a household at peace with itself and united in fundamentals.

The Exposition buildings impress me above all else with this necessity of unity of thought and homogeneity of action.

Here for almost two miles along the shores of the bay, mass after mass, punctured at suitable intervals by towers and domes, rises and blends in one harmonious whole, broad in treatment, heroic in scale, delightful in tint, giving us both nobleness of form and enchantment of color, neither frivolously gay nor ponderously somber, but strength and beauty in graceful proportion. Could the same scale, homogeneity of composition and delight of color be extended all along our bay shore and up over the innumerable hills on which our city is founded, I think we might justly say that in that day we would have a place of habitation that would rival if not surpass the glories of Byzantium, or those cities which in all ages dreamers have woven in the fabric of their imaginings.—W. Garden Mitchell, in "San Francisco Architect and Engineer."

TILE WORK DECORATION.

In the course of a very interesting paper on "The Architecture of Portugal," read before the London Architectural Association by W. H. Ward, associate member of the Royal Institute of British Architects, and illustrated by a large number of lantern slides from photographs taken and plans made by the author, the following comments were presented dealing with tile work decoration:

Perhaps the most obvious and enduring effect of Moorish tradition lies in the use of tiled linings. The manufacture of colored glazed tiles in the East is almost as old as history. It was introduced into Spain by the Arabs, perhaps as early as the eighth

century, but no existing examples can be proved to be earlier than the thirteenth. Their beauty of color, and the cool expanses of floor and wall surface which they provide, so grateful in the torrid heats of summer, earned them a wide popularity in the Peninsula which they have ever since retained.

In the earliest examples the tiles are self-colored—either bluish-green, brown, dark violet, or milky-white, and of various shapes, and they are laid in geometrical patterns. Later on, a process was invented of producing a pattern on single tiles, by cutting a design in incised lines on a wooden stamp, which was reproduced in raised lines on the soft clay; color being then run into the intervening spaces.

The designs were usually of the star type, but grotesque animals and flower and foliage motifs were sometimes introduced; a little later embossed tiles, especially in vine patterns, came into use. At Cintra are several rooms decorated with high dados of some of these kinds of tiles, some of them being finished with cusped and crocketed crestings. The tiles used are mostly self-colored, or nearly so; but the old cathedral at Coimbra exhibits fine examples of patterned tiles of the fourteenth century clothing the walls, and, till the recent restoration, also the piers, while a bewildering variety of richly colored devices, producing a tapestry-like effect.

At the Renaissance the star patterns were supplemented by scroll and other flowing ornamentation, and the range of color became more varied, being painted on the tiles without bounding ridges. The patterns are sometimes continuous, covering the whole walls, as in the seventeenth century sacristy of Sta. Cruz, or enclosed in architectural borders, as at Sao Amaro at Alcantara. About the same time luster tiles—first pale gold and, later, red gold—also came into use.

But after the expulsion of the Moors in 1609 the art of the tile-maker gradually declined, the colors lost in brilliance, and their range became restricted to blue designs on white grounds, with purple and yellow as occasional variants. The blue-and-white technique seems to have arisen simultaneously at Delft and in Portugal, and in each case seems to be the outcome of a desire to imitate Chinese porcelain, then becoming known in Europe. Many of these tiles had a single flower vase or figure subject on each.

The practice, however, of making large figure subjects in ornamental borders, with a portion only of the total design painted on each individual tile, came in during the sixteenth century and continued till the early nineteenth. An example occurs in the nave of Sta. Cruz at Coimbra. Tile linings were applied, not only to rooms, but to cloisters, tanks, steps, garden seats, and even roofs, but their use for entire house fronts, now common in Portuguese towns, seems to be no earlier than the nineteenth century; and that is, it came in when both the color and the design of the tiles had sunk to insignificance.

A TALK ON GYPSUM.

Wharton Clay, Esq., Architectural Engineer of the United States Gypsum Co., will lecture on March 15th before the T-Square Club, Philadelphia, on "Gypsum from Mine to Building," with special reference to fire-proofing and sound-deadening qualities, also taking up the new uses of Gypsum that are now common practice in the Western States and are giving very good results.

The lecture will be illustrated by stereopticon and by moving pictures, which have been secured at great expense, showing the entire Gypsum industry beginning with the mining of rock, crushing it, calcining it and putting it through the various processes of manufacture; installing Pyrobar in partitions and putting up wood lath in a speed contest with Sackett board.

The moving pictures will also show a very interesting fire test, in which a house built half with ordinary wood lath construction and half with Sackett plaster board construction, was set on fire in the presence of the Chicago Fire Department, and gives a very definite idea as to the great fire resisting qualities of this material.

This lecture has been given before the Chicago Architectural Club, the Minneapolis, St. Paul, Rock Island, Davenport, and Moline Architectural Clubs, and is to be given in the East before the New York Society of Architects, Boston Architectural Club, Rhode Island Chapter of the American Institute of Architects and several of the prominent universities.

THE ARCHITECT IN FRANCE.

It is unusual for a house, however small, to be erected in France without the service of an architect, who not only draws the plans, but actually superintends the work, says an exchange. Usually it is he who orders the building material and assures himself that its quality is up to requirements.

The contractor and his workmen perform their duties in conformity with the architect's orders, and the latter, who is usually a man of capital, advances the funds required in order that the contractor need not wait for payment until the building is completed.

Moreover, the French law imposes on the architect a serious responsibility, since he, as well as the contractor, is responsible for all defects of construction during a period of ten years.

If you can persuade people to buy your goods you make money. "The Guide rounds up in its clientele the people you want to persuade. A certain amount of space and the right kind of selling argument does the rest.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

Newspapers Voice Public Demand for Repeal of Full Crew Laws

Public sentiment, as expressed by the newspapers, overwhelmingly favors the repeal of the Full Crew—"excess man crew"—Laws.

On February 14th, the railroads of Pennsylvania and New Jersey frankly and fearlessly submitted to the Court of Public Opinion the reasons why these laws, which unnecessarily burden the people, should be repealed.

On this presentation of facts newspapers have taken position. Editorials to the number of 199 have so far come to the attention of the Railroads' Executive Committee. These group the newspapers on the proposition as follows:

For Repeal . . .	162
Against Repeal . . .	10
Neutral . . .	27

FOLLOWING ARE EXCERPTS FROM VARIOUS NEWSPAPERS:

Honest Proposition

Here is a perfectly fair and honest proposition that ought to receive the attention of the Legislature, and no doubt the great majority of the legislators are perfectly willing to consider it.—*Evening Times, Trenton.*

Full Crew Law Useless

It compels the railroads to pay men whom they do not need, men who are worse than useless because their idleness is demoralizing to the whole working force.—*National Stockman and Farmer, Pittsburgh.*

Unnecessary Men

From no source does it seem to be successfully maintained that all of the men now employed on trains are necessary to safety in operation.—*Leader, Johnstown.*

Few People Favor Repeal

The railroads—not always right—are absolutely right in asking for the repeal of the Full Crew Law, and we believe the people of the State will favor the action taken by the railroads.—*Independent, Collegeville, Pa.*

Fifth Wheel Men

These men are of no more use than a fifth wheel to a coach. Their presence on the trains is in no way helpful. It is rather detrimental than otherwise to the efficiency of the service.—*Sunday Dispatch, Philadelphia.*

Economically Unsound

The Full Crew Law is economically unsound. It provides for employment and payment of men who perform no useful function.—*Tribune, New York.*

Sop to Labor Vote

The law was simply a sop to the labor vote. Common justice demands the repeal of the "Full Crew" Law of New Jersey.—*Gazette, Spring Lake, N. J.*

By repeal of the Full Crew Laws there is no purpose to lay off men whose services are necessary to adequately man trains. Let that be understood. The object is merely to eliminate men for whom there is no real work and for whom jobs exist only by edict of law.

The railroads believe that the people will join in the fight for repeal of laws which put unnecessary burdens upon the public. They ask all citizens to help by communicating in person, by letter or otherwise with their elected representatives at Harrisburg and Trenton. This should be done now.

SAMUEL REA,
President, Pennsylvania Railroad

THEODORE VOORHEES,
President, Philadelphia and Reading Railway

DANIEL WILLARD,
President, Baltimore and Ohio Railroad

R. L. O'DONNELL, Chairman,
Executive Committee, Associated Railroads of Pennsylvania and New Jersey,
721 Commercial Trust Building, Philadelphia.

Justice in Repeal

When all sides shall have been heard, it is not too hazardous to predict that the Legislatures of both States will recognize the justice of the appeal and retrace a step which was taken improvidently and without full knowledge of the facts.—*Public Ledger, Philadelphia.*

Most Impressive

As for the appeal of the railroads against the extra or Full Crew Law, it must be said that it is presented with a force of facts and figures and a directness of reasoning that is most impressive.—*Intelligencer, Lancaster, Pa.*

Common Sense Action

Repeal the Full Crew Law in the name of common sense.—*Plain Dealer, Philadelphia.*

Turn On the Light

The fact that the opponents of the repeal of the Full Crew Laws object to the light, that they do not want popular discussion, is very strong evidence in itself that they have a case that will not stand the light.—*Morning Sun, Baltimore.*

Objectionable Legislation

It follows that the Full Crew Laws are class legislation of a particularly objectionable kind.—*Philadelphia Inquirer.*

Evidence to Public

The public is ready to hear the evidence and it is up to the parties concerned, the railroads and the trainmen, to submit their briefs. This the railroads are doing, and to their credit, be it said, in an open and above-board manner.—*Daily Republican, Millville, N. J.*

Get Laws Repealed

There should be comparatively little difficulty in getting the Full Crew Laws of this and neighboring States repealed by an appeal to public opinion.—*Record, Philadelphia.*

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Gas Grates.

J. B. Spruance, 9 S. 18th st., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co.,
50 N. 6th st., Phila.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Wall Safes.

J. B. Spruance, 9 S. 18th st., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

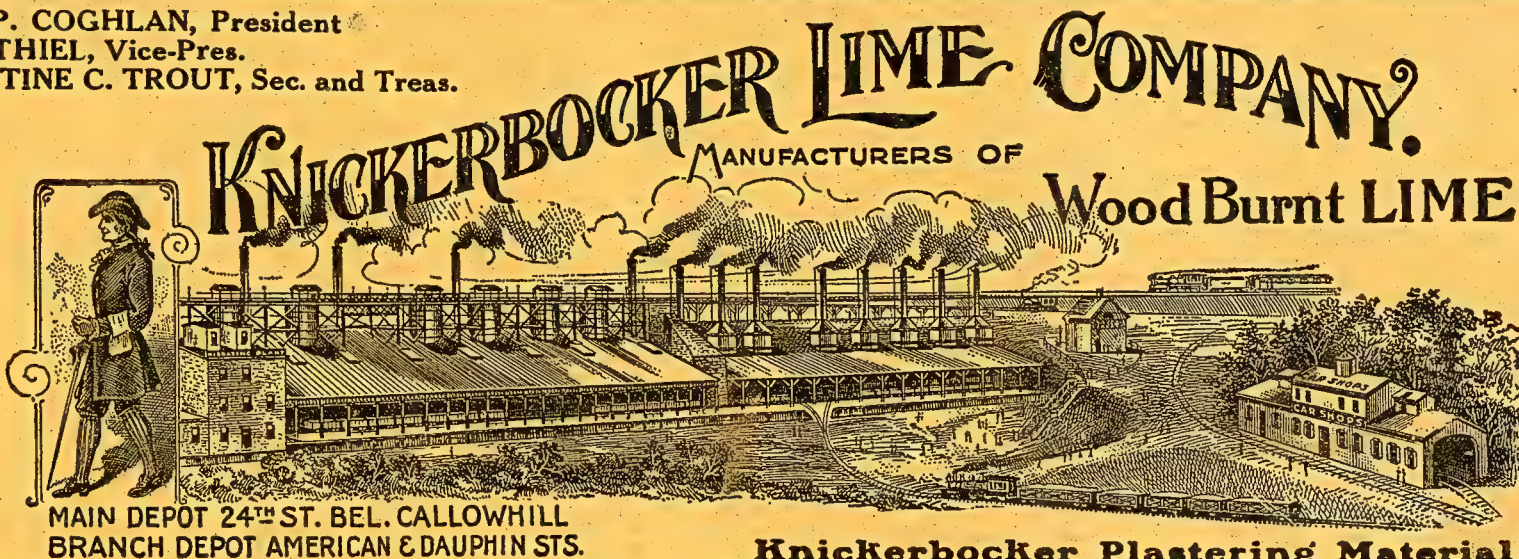
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.



THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 11.

PHILADELPHIA, WEDNESDAY, MARCH 17, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

Correspondence Solicited.

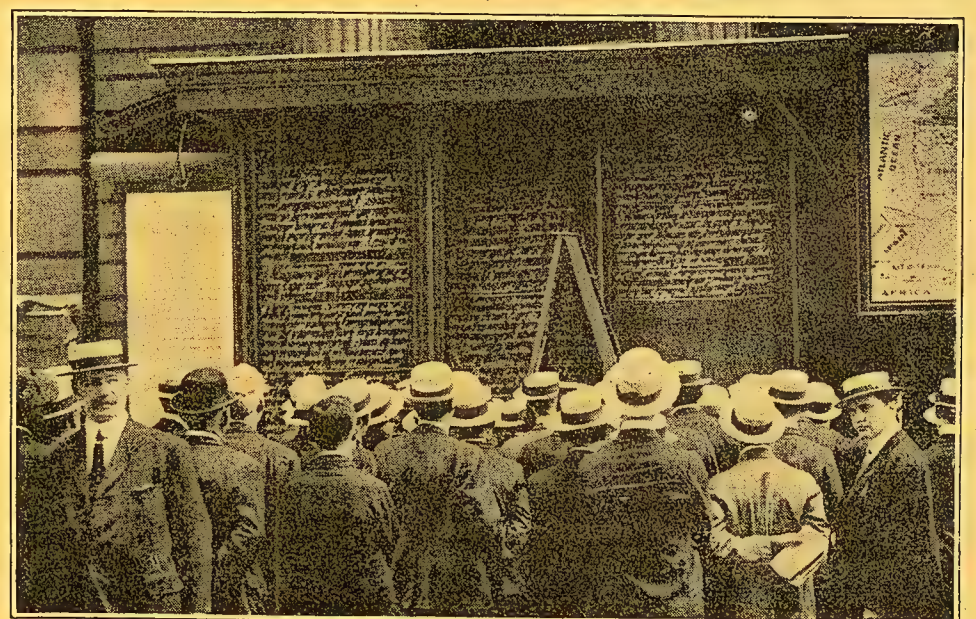
Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City

THE NATIONAL CEMENT



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

CHAS. H. KOHN & CO.

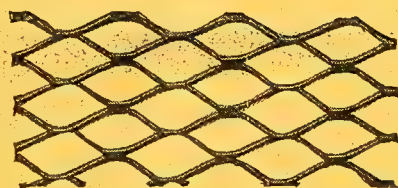
Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO"

Expanded Metal Lath



"Bilco" Diamond Mesh

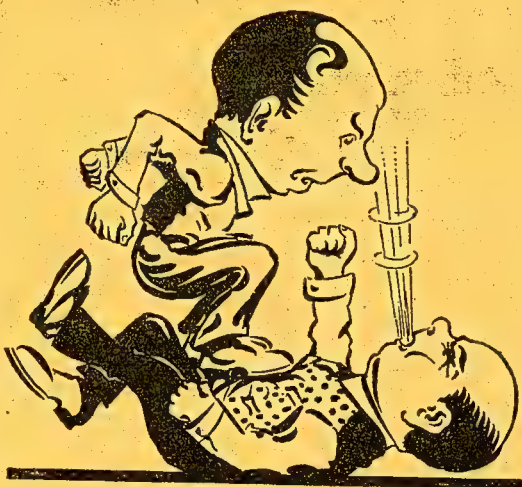
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta**

Face Brick

Hollow Tile

Paving Brick

Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

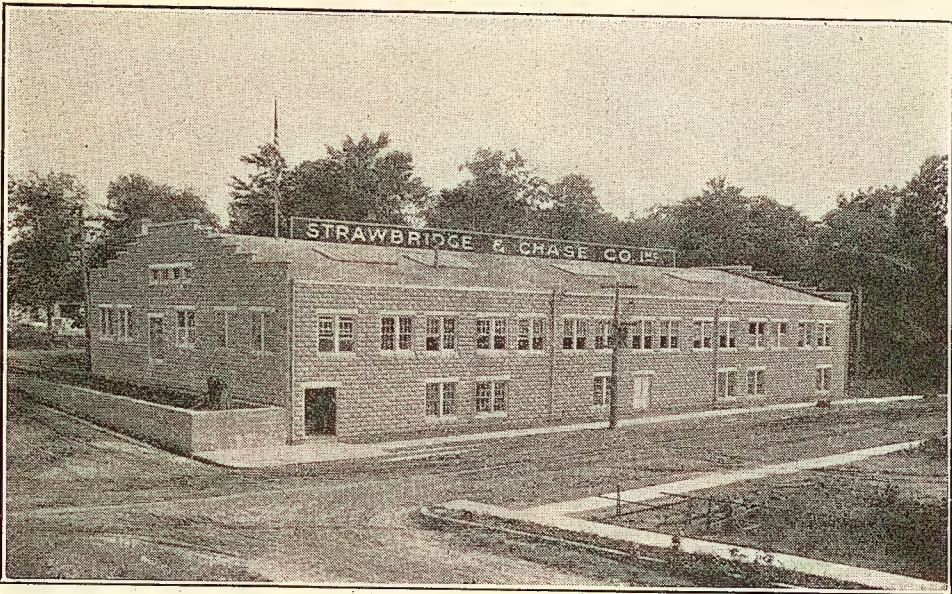
MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.

General Offices and Factory, AUDUBON, N. J.



You'll find what you've been hoping for if you examine "F-S" Products.

It isn't every day that you happen on materials that give you just the desired results. In shingle staining you'll be tickled with every job, if you specify "Shinglekote." It gives a good finish and it's reliable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(111)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring

The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc., wherever a smooth, sanitary, fire and water-proof flooring is desired.

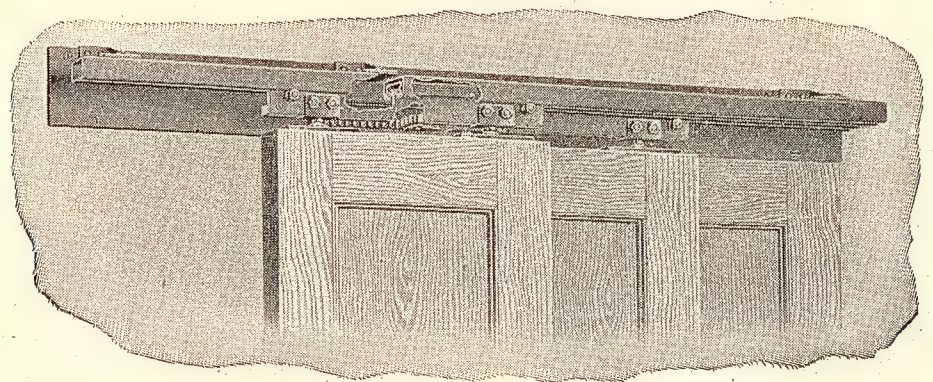
Leatherfloor is the Best
Our Motto, "None Better"

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

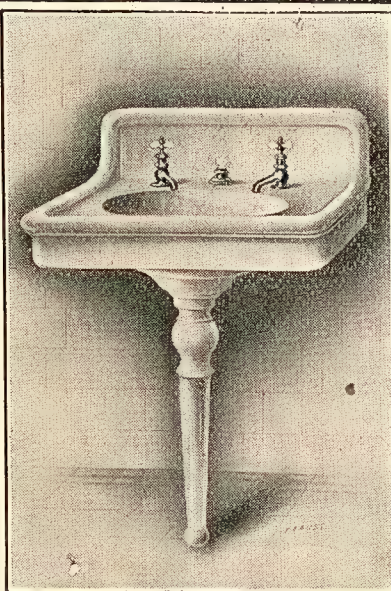


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Catalogue D.*

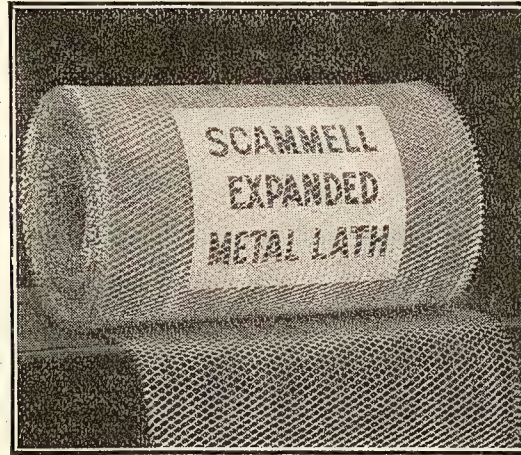
Specify "CAPOCO" Ware for your
Bath Rooms on particular work

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

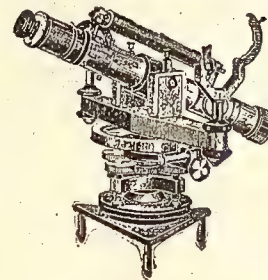
The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing

Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transits from \$15
to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

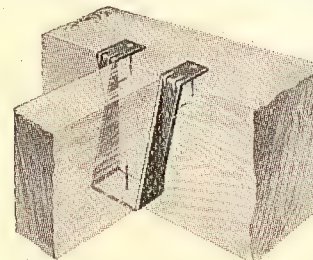
1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

STEEL JOIST HANGERS

The cheapest method for all framing of joist in
Apartment Houses, Residences, Store Buildings, etc.



SPECIAL NET PRICES:

2 x 8 in. joist, 9c.	3 x 8 in. joist, 11c.
2 x 10 in. joist, 11c.	3 x 10 in. joist, 14c.
2 x 12 in. joist, 12c.	3 x 12 in. joist, 18c.
4 x 10 in. joist, 17c.	6 x 10 in. joist, 30c.
4 x 12 in. joist, 19c.	6 x 12 in. joist, 35c.

Cleanout Doors
Anchors

Ash Drops
Wall Ties

Dampers
Cellar Doors

Carried in Stock

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-32

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 11.

PHILADELPHIA, WEDNESDAY, MARCH 17, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store Building (alt.), 1730-1732 Market street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, W. B. Levis, 1518 Market st., Philadelphia. New front, interior alteration and addition, slag roof, tile work, oak floors, metal lath, dampproofing, electric lighting (heating reserved). Architects taking bids, due March 17th. The following are figuring: George L. Sipps, 912 Locust street; H. E. Baton, Twelfth and Sansom streets; Smith-Hardican Co., 1606 Cherry street; Stacy Reeves & Sons, 2011 Market street; William R. Dougherty, 1610 Sansom street; John McShain, 631 North Seventeenth street; M. L. Conneen & Co., 2015 Cuthbert street, all of Philadelphia.

Residence (alt. and add.), Cheltenham avenue and East York road, \$1,800. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Robert Forrester, on premises. Stone, 2½ stories, addition 18x14 feet, slate roof (hot water heating reserved), electric lighting, tile work. Owner will sub-let all work.

Store and Loft Building, 210 South Thirteenth street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, J. K. Davison, 718 Sansom street, Philadelphia. Brick, steel and concrete and terra cotta, 6 stories, 25x100 feet, slag roof, dampproofing, metal sash, metal lath (elevators, electric work, steam heat, cabinet work reserved). Architect taking bids, due March 20th. Stacy Reeves & Sons, 2011 Market street; Metzger & Fisher, Denckla Building; F. A. Havens & Co., 845 North Nineteenth street; Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Stores (2), Oak Lane, Philadelphia. Architect, private plans. Owner, Thomas Bernard, Oak Lane, Philadelphia. Brick, 1 story, 26x50 feet, slag roof, steam heating, electric lighting, metal lath. Owner has received bids.

Residences (2), Sedgwick Farms, Germantown. Owners, Sedgwick Farms, 7014 Boyer street, Philadelphia. Stone, 2½ stories, 32x43 feet, slate roof, electric lighting, hot water heating, oak floors. A. S. Tourison, 7014 Boyer street, taking sub-bids.

Warehouse, 919 Arch street, Philadelphia. Architects, William Steele & Sons, 1600 Arch street, Philadelphia. Owners, Ssam Bros., 919 Arch street, Philadelphia. Concrete and brick, 5 stories, 40x150 feet, slag roof, electric lighting, steam heating. Plans in progress. Builders, William Steele & Sons, will take sub-bids.

Rectory, Cheltenham avenue, Germantown, Philadelphia. Architects, Baldwin & Pennington, Professional Building, Baltimore, Md. Owners, Immaculate Conception R. C. Church, care of Rev. M. J. Higgins, 1045 East Cheltenham avenue, Germantown. Stone, 2½ stories, 47x70 feet, wing 15x26 feet, slate and slag roof, metal lath, yellow pine floors (heating and lighting reserved). Architects taking bids, due March 31st. In addition to those previously reported, J. M. Tighe, 213 North Eleventh street, Philadelphia, is figuring.

Residence, Germantown, Philadelphia. Architect, A. R. Holland, 3922 Franklin street, Philadelphia. Owner, E. W. Saybolt, 3139 Camac street, Philadelphia. Brick and plaster, 2½ stories, 26x40 feet, slate roof, electric lighting, oak floors, hot water heating. Architect taking bids, due March 20th. The following are figuring: L. D. Stites, 126 Herman street; George A. Sorber & Sons, 18 Harvey street; Krewson Bros., Glenside, Pa.; John Schuster, 3552 North Fifteenth street, all of Philadelphia.

Apartments (17), Tioga, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, E. Von Helfenstein, 348 West Upsal street, Germantown. Brick, 2 stories, 25x90 feet, slag roof, steam heating, electric lighting, oak floors. Architect taking sub-bids, due March 19th.

Store and Dwelling, Broad and Ruscomb streets, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Margolin & Block, 203 South Fifth street, Philadelphia. Brick, 3 stories, 30x110 feet, slag roof, steam heating, electric lighting. Plans in progress. Owner will take sub-bids.

Prison (alt. and add.), Tenth and Reed streets, Philadelphia, \$80,000. Architect, P. H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prison

Board, City Hall, Philadelphia. Stone and brick, 1 story, 30x75 feet, slag and slate roof, metal lath (heating, lighting, plumbing and mechanical equipment reserved). Plans completed. Owners taking bids, due March 31st. Plans may be obtained from architect.

Prison (alt. and add.), Holmesburg, Pa. Architect, P. H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prison Board, City Hall, Philadelphia. Stone and brick, fireproof, 1, 2 and three stories, slate and slag roof (electric light, heating, plumbing and mechanical equipment reserved), metal lath. Plans completed. Owners taking bids, due March 31st. Plans may be obtained from architect.

Club House (alt. and add.), 313 South Broad street, Philadelphia. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, City Club of Philadelphia, Real Estate Trust Building, Philadelphia. Consists of new front and interior alteration. Plans about to be started.

Restaurant, 1520 and 22 Market street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, W. B. Levis, 1520 Market street, Philadelphia, Pa. Lessee, J. Thommen, Seventeenth and Chestnut streets, Philadelphia. Brick, terra cotta, fireproofing, 2 and 3 stories, 30x76 feet, wing 15x47 feet, slag roof, tile and oak floors, steam heating, electric lighting, water-proofing. Architect taking bids, due March 17th. The following are figuring: M. Schmid, 1308 North Eighth street; M. L. Conneen, 2015 Cuthbert street; George L. Sipps, 912 Locust street; Freund Seidenbach Co., Bulletin Building; Lam Building Co., 1001 Wood street; D. J. McNamee, 1621 North Fifteenth street; William R. Dougherty, 1610 Sansom street; F. Michaelsen, Commonwealth Building; Stacy Reeves & Sons, 2011 Market street; John McShain, 631 North Seventeenth street; F. E. Wallace, 1210 Sansom street; Smith-Hardican Co., 1606 Cherry street, all of Philadelphia.

Church (add.), Broad and Duncannon sts., Philadelphia. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, Holy Child R. C. Church, Rev. William J. Mc-

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

Made on

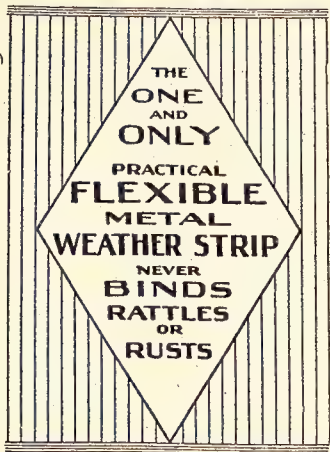
TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



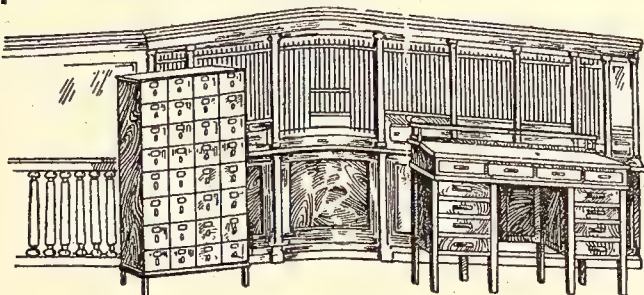
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

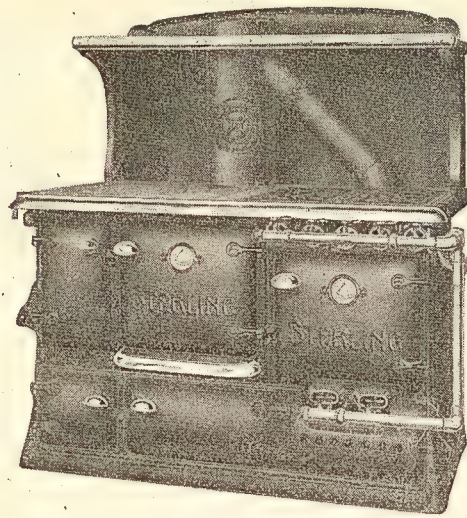
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Caffrey, 5220 North Broad street. Granite, 2 stories, 65x145 feet, slate roof, steam heating, electric lighting, marble work. Architect taking bids, due March 22nd. William Steele & Sons Co., 1600 Arch street; H. P. Schneider, York road and Erie avenue; W. J. McShane, 417 South Thirteenth street; Melody & Keating, Bailey Building; Charles D. Burns, Bridgeport, Pa., and William R. Dougherty, 1610 Sansom street, all of Philadelphia, are figuring.

Meeting House (add.), Seventeenth and Girard avenue, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Society of Friends, on premises. Consists of interior alteration and addition, electric lighting. Architects have received bids.

Rectory, Cheltenham avenue, Germantown, Philadelphia. Architects, Baldwin & Pennington, Professional Building, Baltimore, Md. Owners, Immaculate Conception R. C. Church, Germantown. Stone, 2½ stories, 47x70 feet, wing 15x26 feet, slate and slag roof, metal lath, yellow pine floors (heat and light reserved). Architects taking bids, due March 31st. Melody & Keating, Bailey Building; Thomas Reilly, 1615 Thompson street; William R. Dougherty, 1610 Sansom street; W. J. Cowell, 943 East Cheltenham avenue; William J. McShane, 437 South Thirteenth street; James M. Tighe, 213 North Eleventh street, all of Philadelphia, are figuring.

Residence, Wynnefield, Philadelphia. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, John H. McClatchy, Land Title Building, Philadelphia. Stone, 2½ stories, 26x74 feet, shingle roof, electric lighting, hot water heating, oak floors. Plans in progress.

Residence, Sedgwick Farms, Germantown. Architect, Bart Tourison, Land Title Building,

Philadelphia. Owner, A. S. Tourison, 7014 Boyer street, Germantown. Stone, 2½ stories, 30x45 feet, slate roof, electric lighting; hot water heating, oak floors. Plans in progress.

Buildings (3), Frankford, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Colonel George Montgomery, Frankford. Brick, steel and concrete, 1 story, 51x110 feet and 42x48 feet, slate roof (heating and lighting reserved), maple floors. The following are figuring: William R. Dougherty, 1610 Sansom street; Edw. Fay & Sons, 2 South Mole street; F. W. Van Loon, Denckla Building; McCloskey-Bahls, Hale Building; George Hogg, 1634 Sansom street, all of Philadelphia.

Residence (alt. and add.), 2016 Spruce st., Philadelphia. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner's name withheld. Brick, 3 stories, consists of interior alteration and addition (heat and light reserved). Plans in progress.

Store and Loft Buildings, 210 South Thirteenth street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owners, J. K. Davison & Sons, 718 Sansom street, Philadelphia. Brick, steel and concrete and terra cotta, 6 stories, 25x100 feet, slag roof, dampproofing, metal sash, metal lath (elevators, electric work, steam heating, cabinet work reserved). Architect taking bids, due March 20th. In addition to those previously reported, Turner Concrete Steel Co., 1713 Sansom street, and F. T. Mercer Co., 1706 DeLancey street, Philadelphia, are figuring.

Garage, Frankford avenue, north of Dyre street, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Auto Transit Co., Pennsylvania Building, Philadelphia. Brick, 1 story, 40x120 feet, slag roof, steam heating, electric lighting, gasoline storage. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage (add.), 159 Springfield street, Chestnut Hill, \$3,500. Architect, private plans. Owner, P. J. Conway, on premises. Brick, 1 story, 60x100 feet, slag roof, electric lighting,

steam heating or vapor vacuum heating. Contract awarded to I. A. Dunkelberger, 71 East Herman street, Germantown.

Club House (alt. and add.), Chestnut Hill,

UNITAS TILING

A non metallic substitute for tile and wood

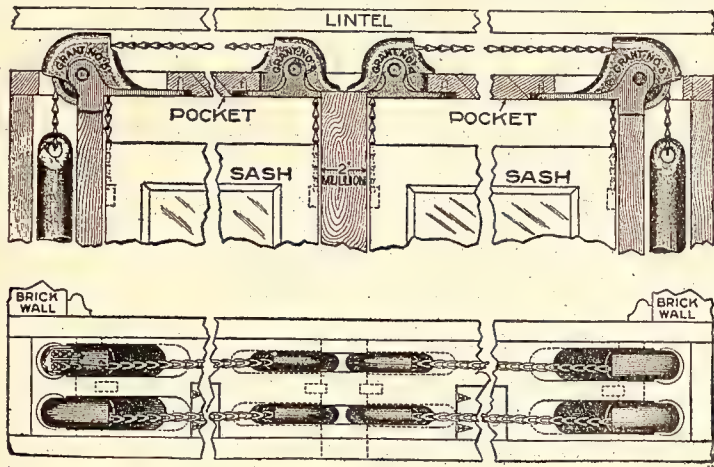
Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

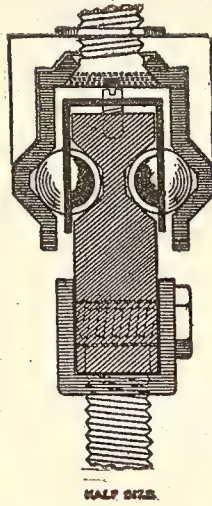
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood, concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Philadelphia. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, Whitmarsh Country Club, Chestnut Hill, Philadelphia. Stone, 3 stories, consists of alteration and addition to second and third floors, marble work, lockers and plumbing work. Contract awarded to Suplee Const. Co., Bulletin Building, Philadelphia.

Residence (alt. and add.), 615 Pine street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Dr. Morris A. Weinstein, 638 Pine street, Philadelphia. Brick, 3 stories, slag roof, metal lath, tile work (heating and plumbing, electric work and oak floors reserved). Contract awarded to N. Raidman, 5944 Walnut street, Philadelphia.

Bridge and Approaches, South Broad street, Philadelphia, \$237,600. Architect and engineer, George S. Webster, City Hall, Philadelphia. Owners, Department of Public Works, City Hall, Philadelphia. Steel and concrete, 350 feet long, 105 feet wide. Contract awarded to Arthur McMullen Co., 149 Broadway, New York City.

Manufacturing Building, Tacony and Lewis streets, Philadelphia. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, William & Harvey Rowland, on premises. Brick and concrete, 1 story, 49x275 feet, slate and slag roof, metal sash and frames. Contract awarded to H. H. Burrell, 206 South Camac street, Philadelphia.

School (add.), Second and Wolf streets, Philadelphia, \$98,900. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Stone and brick, 3 stories, 50x92 feet, wings, fireproofing, weather strips, metal lath, metal sash and frames, slate and slag roof (heat, light and plumbing reserved). Contract awarded to P. J. Hurley, 1233 Cherry street, Philadelphia.

School (add.), Sixty-third and Elmwood avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick and stone, fireproof, 3 stories and basement, 35x67 feet, slate and slag roof (heat, light and plumbing reserved), waterproofing, iron stairs, metal lath, metal frames and sash, weather strips. Contract awarded to F. Roe Searing, Perry Building, Philadelphia.

School, Fifty-sixth and Kingsessing avenue,

Philadelphia, \$279,597. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, terra cotta, fireproof, 4 stories, 115x278 feet, composition, tin and copper roof, iron stairs, safety treads, waterproofing, asphalt floors, glazed brick, metal lath, metal frames and sash (heating and lighting and plumbing reserved). Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

Factory, Eighteenth and Cambria streets, Philadelphia. Architect, private plans. Owners, Linde Air Products Co., Forty-second Street Building, New York City. Brick and concrete, 1 story, 179x140 feet, slag roof (steam heating and lighting reserved). Contract awarded to W. W. Lindsay Co., Harrison Building, Philadelphia.

Residence, 3102 Spring Garden street, Philadelphia, \$2,800. Architect, private plans. Owner, Charles Cassidy, 422 North Thirtieth street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hot water heating, electric lighting. Contract awarded to W. J. McShane, 417 South Thirteenth street, Philadelphia.

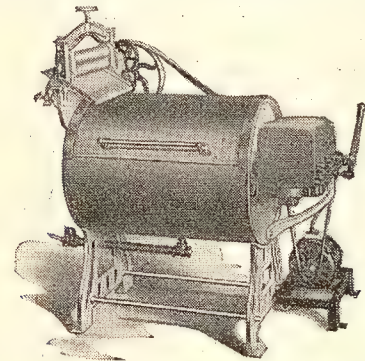
Residence (alts.), Chestnut Hill, Philadelphia. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Miss Mary E. Hebard, Wyndeciffe, Chestnut Hill, Philadelphia. (Plumbing, heating and electric work reserved.) Contract awarded to George L. Croll, Rosemont, Pa.

Convent, Eleventh and Master streets, Philadelphia, \$30,000. Architect, Henry D. Dagit, 411 Walnut street, Philadelphia. Owners, St. Malachi's R. C. Church, on premises. Brick and stone, 3 stories, 58x100 feet, slag and tile roof, electric lighting (plumbing and heating reserved). Contract awarded to Melody & Keating, Bailey Building, Philadelphia.

Store and Apartments (alts.), 117 North Sixteenth street, Philadelphia. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, R. W. Olhausen, Plaza Building, Philadelphia. Brick, 3 stories, tile and tin roof, metal lath, tile work, composition floors, electric light (heating reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Residence, St. Martins, Philadelphia, \$14,000. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owners, Mrs. Phoebe J. Clemens, Moreland and

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

AQUABAR Co's. No. 3

A Dampproofing Compound
and Plaster-Bond
Possessing Merit

THE AQUABAR CO.

Real Estate Trust Bldg.
Philadelphia, Pa.

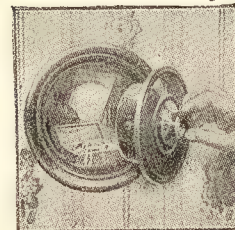
MEILINK WALL SAFES

FOR HOME OR APARTMENT

Best Quality Lowest Price

Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.



R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

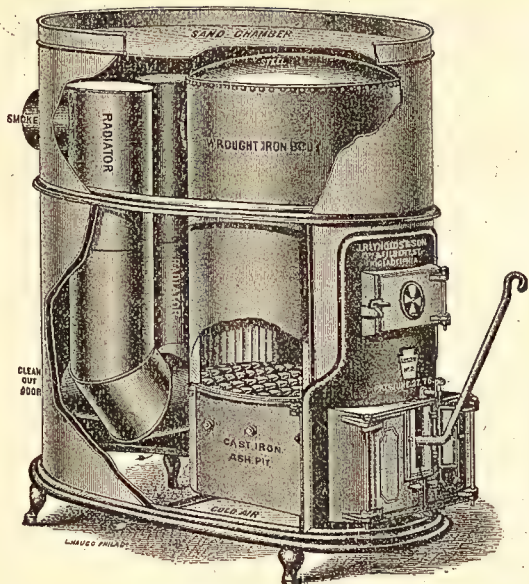
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA
One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION.**

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting
Painter and Decorator
Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Crefelt streets, Germantown. Stone, 2½ stories, 28x46 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Contract awarded to F. Elvidge & Sons, 5522 Germantown avenue, Philadelphia.

Residence and Garage (alt.), 2305 North Broad street, Philadelphia. Architects, Sauer

& Hahn, 1112 Chestnut street, Philadelphia. Owner, W. F. Sauter, 1637 Diamond street, Philadelphia. Brick, 4 stories (heat reserved), new electric elevators and interior alteration and repairs. Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

PENNSYLVANIA Construction News

Twin Residence, Royersford, Pa., \$4,000. Architect, M. B. Bean, Lansdale, Pa. Owners, Montgomery County Home, care of Dr. Brown, R. F. D. No. 2, Royersford, Pa. Stone, 2½ stories, 40x45 feet, slate roof (heating and electric work separate bids). Owners ready for bids.

School, Pottsville, Pa. Architect, Frank X. Reilly, Pottsville, Pa. Owners, Board of Education, Pottsville, Pa. Brick and stone, 3 stories, 62x132 feet, slate and slag roof, waterproofing, slate blackboards. Lowest bid submitted by Walter Wertley & Son, Pottsville, Pa., \$44,250.

School Building, Gwynedd Township, Pa., \$10,000. Architects, Conner & Slifer, Lansdale, Pa. Owners, Gwynedd Township School Board, care of Dr. Pearce Lakin, Lansdale, Pa. Brick, stone trimmings, 1½ stories, 100x45 feet, slag roof, steam or hot air heating, metal lath, dampproofing, slate blackboards. Plans about completed. Owners will take bids in ten days.

Sanitarium, Lansdale, Pa., \$15,000. Architects, Conner & Slifer, Lansdale, Pa. Owner, Dr. Ruth Maher, Lansdale, Pa. Hollow tile and stucco, 2½ stories, 90x32 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing, composition floors. Owner is sub-letting all contracts.

Residence (alt. and add.), Lansdale, Pa. Architect, M. B. Bean, Lansdale, Pa. Owner, Samuel Neiburg, Lansdale, Pa. Brick, 2½ stories, 18x30 feet, tin roof, steam heating, electric lighting. Owner ready for bids.

Garage, Latham Park, Pa. Architect, P. J. Kluges, 1012 Walnut street, Philadelphia. Owner, Harry Perry, care of architect. Stone, 1½ stories, 25x36 feet, slate roof, electric lighting (heating reserved). Architect taking bids, due March 22nd. The following are figuring: Specht & Sperry, Heed Building; F. B. Davis, 240 North Sixteenth street; F. R. Hill, Oak Lane, Philadelphia; W. J. Stevens, Wyncote, Pa.

Residence, Merion, Pa. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, W. T. Steigerwalt, Merion, Pa. Stone and plaster, 2½ stories, 107x50 feet, slate roof, electric lighting, vapor vacuum heating, oak floors, metal lath. Plans in progress. Bids in about one week.

School, Port Carbon, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, Port Carbon, Pa. Brick and stone, 2 stories, 80x160 feet, composition roof, slate blackboards (heating and electric work separate bids). Owners taking revised bids, due March 19th. The following are figuring: F. Roe Searing, Perry Building; Berry-Goodwin Co., both of Philadelphia; Rendell & Behm, Reading, Pa.; Charles D. Burns, Bridgeport, Pa.; Andrew Breslin, Summit Hill, Pa.; Gordon Nagle, Pottsville, Pa.; Walter Wertley & Son, Pottsville, Pa.; Clarence Nessler Smith, Pottsville, Pa.; W. A. Richman, Moorestown, N. J.; Beard Construction Co., Reading, Pa.; Butz & Clader, Allentown, Pa.; William H. Wiand, Pottstown, Pa.

Church and Sunday School, Harrisburg, Pa., \$60,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Christ Lutheran Church, care of I. L. Lehman, Harrisburg, Pa. Stone and brick, 1½ stories, 10x100 feet, slate and tin roof, vapor heating, electric lighting, tile work, metal lath, dampproofing. Plans in progress.

Apartment House, Reading, Pa., \$15,000. Architect, William A. Fink, 426 Franklin st., Reading, Pa. Owner, Harry Zable, Reading, Pa. Brick, stone trimmings, 4 stories, 26x135 feet, tin roof, hot water heating, gas and electric lighting, composition floors. Plans in progress.

Apartments (alt. and add.), Reading, Pa., \$3,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Miss Agnes Killian, 314 Franklin street, Reading, Pa. Brick, 3 stories, 20x57 feet, tin roof, hot water

LIGHTING FIXTURES

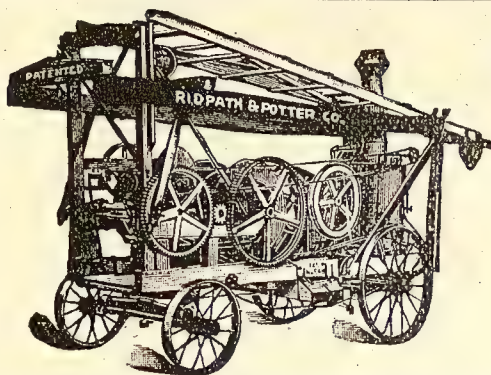
In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

heating, electric lighting. Owner taking sub-bids.

Bungalow, Reading, Pa. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Frame, 2 stories, 20x30 feet, composition roof. Plans about completed. Owner will take sub-bids April 1st.

Cottage, Springmont, Pa., \$3,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, P. F. Bradbury, 339 Penn street, Reading, Pa. Brick and stucco, 2 stories, 23x27 feet, single roof, vapor heating, electric lighting. Plans about completed. Architect will take bids in one week.

Store and Apartments, Reading, Pa. Architect, William A. Fink, 426 Franklin street, Reading, Pa. Owner, George Lerch, North Ninth street, Reading, Pa. Brick, 3 stories, 20x81 feet, tin roof, hot water heating, gas and electric lighting, composition floors, damp-proofing. Plans in progress.

Residence, Freidensburg, Pa. Architect, William A. Fink, 426 Franklin street, Reading, Pa. Owner, R. DeTurk, Oley P. O. Freidensburg, Pa. Stone and brick, 3 stories, 33x50 feet, tin roof, hot air heating, tile work. Plans in progress.

Residence (alt. and add.), Villa Nova, Pa. Architects, Broekie & Hastings, 1713 Sansom street, Philadelphia. Owner, P. Hollingsworth Morris, Villa Nova, Pa. Stone, 2½ stories, 20x20 feet, slate roof, electric lighting, oak floors, hot water heating. Architects taking bids, due March 17th. J. D. Lingle, Wayne, Pa.; Wolf & Dilworth, Bryn Mawr, Pa.; Gray Bros., Rosemont, Pa., are figuring.

Laboratory, Primos, Pa. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Primos Chemical Co., Primos, Pa. Brick and concrete, 2 stories, 42x122 feet, slag roof, electric lighting, steam heating. Plans in progress.

Gardener's Cottage, Villa Nova, Pa. Architects, Baily & Bassett, 424 Chestnut street, Philadelphia. Owner, Dr. W. P. Klapp, Villa Nova, Pa. Hollow tile and plaster, 2 stories, 24x32 feet, slate roof (heating and electric work and plumbing reserved). Architects taking bids, due March 18th. Gray Bros., Rosemont, Pa., and M. N. Croll, Rosemont, Pa., are figuring.

Residence, Melrose Park, Pa. Architect, private plans. Owner, J. Renton White, Melrose Park, Pa. Stone and frame, 2½ stories, 30x42 feet, wing 16x30 feet, tile roof, electric lighting, hot water heating, oak floors. Owner taking sub-bids.

Memorial Entrance, Haverford, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Haverford College, Haverford, Pa. Granite steps and brick work. Architects have received bids.

Girard, Elkins Park, Pa. Architect, private plans. Owner, Charles A. Beach, Elkins Park, Pa. Stone, frame and stucco, 1½ stories, 20x22 feet, green slate roof, electric lighting. Owner taking bids, due March 18th. Specht & Sperry, Heed Building, Philadelphia, are figuring.

Bridge, Harrisburg, Pa. Architect, private plans. Owners, Pennsylvania Railroad Co., G. M. Kennedy, Chambersburg, Pa. Concrete and steel, 32x3,995 feet, waterproofing. Owners

taking bids, due March 17th. John Goll Co., 1539 Filbert street, are figuring.

Garage, Bristol, Pa. Architect, J. Osborne Hunt, Trenton, N. J. Owner, W. E. Doran, Bristol, Pa. Brick, 1 story, 29x82 feet, slag roof, steam heating, metal ceilings (electric lighting and gasoline storage reserved). Architect taking bids, due March 17th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

College (add.), State College, Pa. Architect, private plans. Owners, State College, Pa. Stone and brick, 1 story, 25x36 feet, slag roof (heat and light reserved). Owners taking bids, due March 23rd. Henry L. Brown, 1714 Sansom street, and Jacob Meyers Sons Co., Witherspoon Building, are figuring.

Bridge No. 26, South of Guernsey, Pa. Architect, William Hunter, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railroad Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 20x46 feet, waterproofing. Owners taking bids, due March 15th. The following are figuring: A. L. Carhart, Hale Building; Enos L. Seeds, 6314 Wissahickon avenue; Brown King Construction Co., Commercial Trust Building, all of Philadelphia.

Residence, Swarthmore, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Dr. William A. Jaquette, Flanders Building, Philadelphia. Hollow tile and plaster, 2½ stories, 22x43 feet, wing 24x16 feet, shingle roof, electric lighting, warm air heating, oak floors. Revised plans in progress.

Reservoir Covering, Spring City, Pa. Architect, P. H. Johnson, Land Title Building, Philadelphia. Owners, Pennsylvania State Hospital for Feeble Minded, Harrisburg, Pa. Concrete and steel, 1 story, 105x105 feet, cement tile and composition roof, waterproofing, iron fence. Owners taking bids, due March 20th. The following are figuring, in addition to those previously reported: Edw. Fay & Sons, 2 South Mole street; H. E. Baton, Twelfth and Sansom streets; Mitchell Bros., 2125 Race street; Monaghan & Losse, 214 South Twelfth street, all of Philadelphia.

Residence, Jeffersonville, Pa. Architect, H. R. Stackhouse, Drexel Building, Philadelphia. Owner, J. B. Brusher, Norristown, Pa. Hollow tile and plaster, 2½ stories, 34x40 feet, asbestos shingle roof, electric lighting, hot water heating, oak floors. Architect taking bids, due March 17th. The following are figuring: J. Norman Cassel, M. Lawler, F. R. Heavner, I. J. Matz, all of Norristown, Pa., and Harry Davis, 5100 Westminster avenue, Philadelphia.

Lumber Shed, Glenside, Pa. Architect, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Frank Justice, Glenside, Pa. Frame and asbestos shingle, 1 story, 40x338 feet, slag roof. Plans in progress.

Residences (7), Reading, Pa. \$18,000. Architect, private plans. Owner, Samuel M. Sherman, 1039 Spring street, Reading, Pa. Stone and brick, 2 stories, 14x26 feet each, hot water heating, electric lighting. Owner taking sub-bids.

Residences (9), Reading, Pa., \$23,000. Architect, private plans. Owner, W. A. Sharp, 1208



EXPERIENCE and organization enable us to execute building contracts thoroughly.

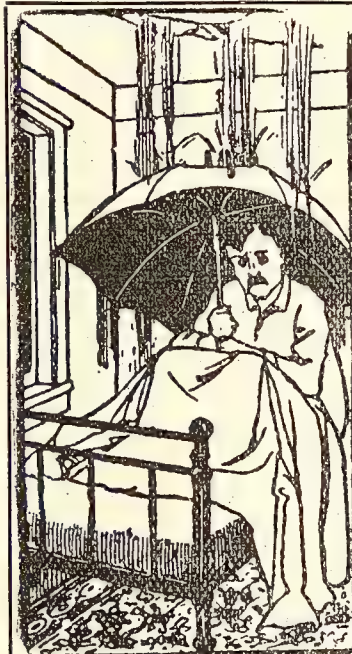
Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

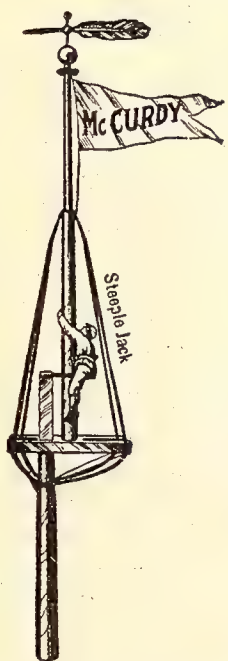
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

All Sizes

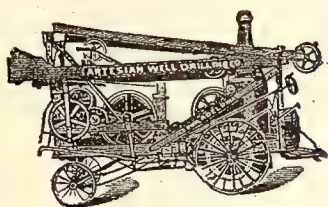
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

Eckert street, Reading, Pa. Brick, 3 stories, 13x39 feet each, tin roofs, hot water heating, electric lighting. Owner taking sub-bids.

Residence and Garage, Wyomissing, Pa. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner's name withheld. Frame and stucco, 2½ stories, 25x36 feet, shingle roof, hot water heating, gas and electric lighting, tile work, hardwood floors, metal lath. Plans in progress.

Infirmity, Shillington, Pa., \$9,000. Architect, H. J. Maurer, 33 North Sixth street, Reading, Pa. Owners, Berks County Commissioners, Court House, Reading, Pa. Brick, 2 stories, 24x40 feet, slate roof, cement floors, metal lath (steam heating and electric work separate bids). Owners taking bids, due March 22nd.

Twin Residence, Westlawn, Pa., \$7,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Ralph K. Derr, 534 North Seventeenth street, Reading, Pa. Brick, 2½ stories, 38x78 feet, asbestos shingle roof, hot water heating, electric lighting. Plans in progress. Architect will take bids about April 15th.

Residence, Lansdowne, Pa. Architects, Morris & Erskine, Crozer Building, Philadel-

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

phia. Owner, Thomas Satterthwait, Lansdowne, Pa. Stone and stucco, 2½ stories, 30x58 feet, slate roof, hot water heating, electric lighting. Plans about completed. Architects will take bids in a few days.

Residence and Garage, Merion, Pa., \$30,000. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, William S. Baker, Merion, Pa. Brick and stucco, 2½ stories, 100x30 feet, garage 40x30 feet, tile roof, electric lighting (vapor heating, oak floors and interior finish reserved). Architects taking bids, due March 25th. The following are figuring: George & Borst, 277 South Eleventh street; H. L. Brown, 1714 Sansom street; Eugene Tourison, 1001 Chestnut street; Specht & Sperry, Heed Building; Hayes Mendenhall & Son, Drexel Building; William R. Dougherty, 1610 Sansom street, all of Philadelphia, and J. S. Rogers Co., Moorestown, N. J.

Residence (alt. and add.), Wyncote, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, T. E. Watt, Wyncote, Pa. Stone and plaster, 2½ stories, slate roof, hot water heating, electric lighting. Plans in progress. Architects will take bids in about one week.

PENNSYLVANIA

Contracts Awarded

Hosiery Mill, Boyertown, Pa. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owners, D. C. Brumbach & Co., Boyertown, Pa. Brick, 2½ stories, 32x125 feet, composition roof, steam heating, electric lighting. Contract awarded to D. B. Bauer, Boyertown, Pa.

Bindery and Loft Building, Reading, Pa., \$15,000. Architect, J. E. Hickman, 119 S. Fifth street, Reading, Pa. Owner, August W. Arnold, 634 Washington street, Reading, Pa. Brick, 3 stories, 36x100 feet, asbestos roof, steam heating, electric lighting. Contract awarded to Daniel H. Hunter, 820 North Eleventh street, Reading, Pa.

Residence and Garage, Reading, Pa. Architect, private plans. Owner, E. E. Hinkle, Twelfth and Windsor streets, Reading, Pa. Brick, 2 stories, 15x28 feet, tin roof, hot water heating, gas and electric lighting. Con-

tract awarded to Daniel H. Hunter, 820 North Eleventh street, Reading, Pa.

Bank (alt. and add.), Allentown, Pa. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Second National Bank, Allentown, Pa. Stone and brick, consists of new front and interior alteration (heating and lighting and interior fixtures reserved). Contract awarded to George H. Hardner, Allentown, Pa.

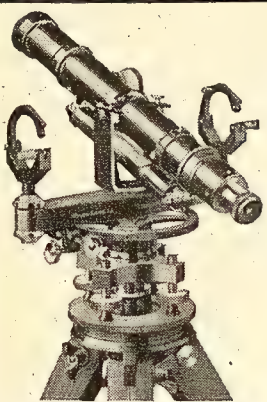
Bridge No. 58, Wagontown, Pa. Architect, William Hunter, Twelfth and Market streets, Philadelphia. Owners, Philadelphia and Reading Railroad Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 18x110 feet, waterproofing, expanded metal. Contract awarded to Reading Contracting Co., 622 Court street, Reading, Pa.

Bridge No. 44, near Albany, Pa. Architect, William Hunter, Twelfth and Market streets,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.

**STOP WASTING VALUABLE TIME**

worrying along without an instrument or—worse yet—with one that is complicated, worn out or unreliable!

Be UP-TO-DATE! Safeguard your reputation and your profits by checking all lines and grades with a 1915 Model

"Sterling" Convertible Level

An examination of this splendid, ALL-PHILADELPHIA-MADE product will convince you that it is the most PRACTICAL, SERVICEABLE and EFFICIENT Level made!

Designed and Made by

WARREN-KNIGHT COMPANY

136 N. TWELFTH STREET

PHILADELPHIA

"World's Greatest Workshop"

Philadelphia. Owners, Philadelphia and Reading Railroad Co., Twelfth and Market streets, Philadelphia. Concrete and steel 18x169 feet, waterproofing, expanded metal. Contract awarded to Reading Contracting Co., 622 Court street, Reading, Pa.

Church and Rectory, Conshohocken, Pa. Architect, George I. Lovatt, 416 Walnut st., Philadelphia. Owners, St. Matthew's R. C. Church, care of Rev. J. P. Parker, on premises. Stone, 1 story, 89x140 feet, slate roof (heating and lighting reserved). Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

Residences (17), Bryn Mawr, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Richard Kilday, Rosemont, Pa. Brick, 2 stories, slag roof, hot air heating, gas lighting. Contract awarded to J. H. Maguire, Wayne, Pa.

Residence (alt. and add.), Lansdowne, Pa. Architect, Frederick Wallick, 103 Park avenue, New York City. Owner, Robert F. Irwin, 50 South Front street, Philadelphia. Stone and plaster, 2½ stories, 25x39 feet, slate roof, hot water heating, electric lighting, oak

and tile floors. Contract awarded to H. G. Carson, 205 South Forty-second street, Philadelphia.

Residence (alts.), Haverford, Pa. Architects, Furness, Evans Co., Provident Building, Philadelphia. Owner, Thomas De Witt Cuyler, Haverford, Pa. Stone and brick, 3 stories, concrete fireproofing, slag and canvas roof, metal lath, hardwood floors, tile floors (heat and light reserved). Contract awarded to F. H. Mahan, Ardmore, Pa.

Chapel, Easton, Pa., \$100,000. Architects, Carrere & Hastings, 225 Fifth avenue, New York City. Owners, Lafayette College, Easton, Pa. Stone and brick, 1 story, 125x130 feet, copper roof, waterproofing, metal lath (heat and light reserved). Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Bank Building (alt. and add.), Pottstown, Pa. Architects, Lachman & Murphy, Witherpoon Building, Philadelphia. Owners, Security Company, Pottstown, Pa. Brick and stone, 2 stories, steam heating, electric lighting, tile work, banking fixtures. Contract awarded to F. H. Keiser, Pottstown, Pa.

NEW JERSEY**Construction News**

Bank Building, Woodbury, N. J., \$30,000. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Woodbury Trust Co., Woodbury, N. J. Indiana limestone, 1 and 2 stories, 23x88 feet, slag roof, electric lighting, banking fixtures, tile and marble work, heating not decided. Plans in progress. Architect will take bids in three or four weeks.

Cottage, Summer, N. J. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Ellis Ames Ballard, Land Title Building, Philadelphia. Frame, 2 stories, 30x50 feet, shingle roof, electric lighting, no heating. Plans in progress.

Cottage, Bay Head, N. J. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, M. H. Harrington, 112 West Upsal street, Philadelphia. Frame, 2½ stories, 25x55 feet, shingle roof, electric lighting, no heating. Architect taking bids.

Residence and Garage, Woodbury, N. J. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 26x35 feet, wing 17x20 feet, slate roof, electric lighting, hot water heating, oak or parquetry floors. Plans in progress.

Residence, West Collingswood, N. J., \$5,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, Joseph Schnitzer, West Collingswood, N. J. Stone and frame, 2 stories, 26x38 feet, slate roof, hot water heating, gas and electric lighting, tile work, dampproofing. Revised plans in progress.

Residence, Atlantic City, N. J., \$4,000. Architect, private plans. Owner, Lewis S. Eldridge, 139 North Georgia avenue, Atlantic City. Frame, 3 stories, 24x37 feet, slate roof, hot water heating, gas and electric lighting. Owner taking sub-bids.

School, West Side, Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City. Owners, Board of Education, Atlantic City, N. J. Brick, fireproof, 3 stories. Details not decided. Plans not yet started.

Apartment House, Ventnor, N. J., \$30,000. Architect, J. R. Ogden, Bartlett Building, Atlantic City, N. J. Owner's name withheld. Brick and frame, 2½ stories, 24x58 feet, asbestos roof, hot water heating, gas and electric lighting, tile work, dampproofing. Plans in progress.

Post Office and Apartments, Pleasantville,

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street

PHILADELPHIA - PA.

Have Your Gas
Range @ the Other
Gas Appliances
Inspected @
Repaired

NOW!

We make no charge for inspection.

If new parts are needed you will be quoted a price covering merely the retail price of the materials.

It is better to do this now than wait until house-cleaning time.

Call, Write or Telephone

**THE UNITED GAS
IMPROVEMENT CO.**

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

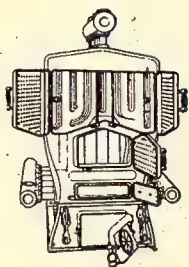
N. J., \$20,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City, N. J. Owner, George Leach, Pleasantville, N. J. Brick, 3 stories, 50x110 feet, slag roof, hot

**The Broomell System
of Vapor Heating**

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

**VAPOR HEATING CO., HARTMAN BLDG.
YORK : PA.**

MILLS



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

water heating, gas and electric lighting, tile work, metal lath. Plans in progress.

Pavilion, Atlantic City, N. J., \$3,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City. Owners, City of Atlantic City, City Hall. Frame, 1 story, 50x30 feet, tile roof, wood floors. Plans in progress.

Dog Pound, Atlantic City, N. J., \$3,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owners, City of Atlantic City, City Hall. Brick, 1 story, 78x19 feet, red asphalt slate roofs, electric lighting, concrete floors. Owners taking bids.

Residence (alt. and add.), Leeds Place, Atlantic City, \$3,000. Architect, Bertram Ireland, Bartlett Building, Atlantic City. Owner, Harry Scott, Atlantic City, N. J. Brick, 2 stories, 30x50 feet, slag roof, hot water heating, gas and electric lighting. Plans in progress.

Residence (alt. and add.), Atlantic City, N. J., \$8,000. Architect, Bertram Ireland, Bartlett Building, Atlantic City, N. J. Owner, H. T. Marsteller, 2614 Monterey avenue, Atlantic City. Brick, 2 stories, 28x56 feet, slag roof, hot water heating. Plans in progress.

Store and Residence, Ventnor, N. J., \$6,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner's name withheld. Brick, 2 stories, 25x70 feet, slag roof, hot water heating, gas and electric lighting. Plans in progress.

Residence, Cape May, N. J. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, George W. Boyd, Broad Street Station, Philadelphia. Frame, 2½ stories, 26x70 feet, shingle roof, gas and electric lighting. Plans about completed. Architect will take bids in a few days.

Residence (alts.) and Garage, Cape May, N. J. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, George W. Boyd, Broad Street Station, Philadelphia. Brick and frame, 2 stories, shingle roof, electric lighting. Plans about completed. Architect will take bids in a few days.

Wash Rooms, Seventh and Kaighn avenue, Camden. Architect, private plans. Owners, Farr & Bailey Manufacturing Co., on premises. Brick, 1 story, 23x42 feet, concrete roof,

steam heating, electric lighting, concrete floors. Owners sub-letting all contracts.

Residence, Princeton, N. J., \$7,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Miss M. E. Irwin, Vandeventer avenue, Princeton. Frame and shingle, 2½ stories, 41x28 feet and 14x16 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Architect taking bids. The following are figuring Frank Johnson, Benjamin H. Warren and S. H. Stillwell, all of Princeton, N. J.

Residence, Trenton, N. J., \$6,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Walter H. Orr, Trenton, N. J. Hollow tile and stucco, 2½ stories, 35x40 feet, slate roof, hot water heating, gas and electric lighting, tile work, hardwood floors. Plans in progress.

Residence, Trenton, N. J., \$4,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Frank Robbins, 129 Rushing street, Trenton, N. J. Brick, stone trimmings, 2½ stories, 20x40 feet,

slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architects taking bids.

Convent, Perth Amboy, N. J., \$8,000. Architect, William P. Endebrock, American Mechanics' Building, Trenton. Owners, Parish of Hungary, Rev. Father Gross, 687 Courtland street, Perth Amboy, N. J. Brick, 3 stories, 20x60 feet, slag and tin roof, hot water heating, electric lighting, tile work. Owner taking bids.

Residence, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton. Owner, Morris Rolinck, Trenton, N. J. Brick, stone trimmings, 2 stories, 25x67 feet, slag roof, heating undecided, electric lighting. Plans completed. Owner ready for bids.

Erecting Shop, Trenton, N. J., \$7,500. Architect, W. B. Thines, Commonwealth Building, Trenton. Owners, John E. Thropp's Sons Co., Lewis street, Trenton. Brick, steel and corrugated iron, 1 story, 89-65 feet, steam heating, electric lighting, steel sash. Owners sub-letting all contracts.

NEW JERSEY

Contracts Awarded

Residence, Atlantic City, N. J., \$8,500. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, Mrs. Emily C. Calef, 108 South Austin avenue, Atlantic City. Brick and frame, 3 stories, 28x45 feet, slate roof, hot water heating, gas and electric lighting, tile work, hardwood floors. Contract awarded to E. Ellsworth Smith, 2809 Fairmount avenue, Atlantic City, N. J.

Residence (alt. and add.), Ventnor, N. J., \$2,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, Dr. J. Coles Brick, 5800 Ventnor avenue, Atlantic City. Brick, frame and stucco, 1 story, 50x28 feet, slate roof, hot water heating, electric lighting, metal lath, dampproofing. Contract awarded to E. A. Crosta, 10 South Tennessee avenue, Atlantic City, N. J.

Hospital (add.), Trenton, N. J., \$50,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State Hospital for Insane, L. F. Atchley, Warden, Trenton, N. J. Brick, 3 stories, 34x250 feet, consists of kitchen wing, administration building and tunnel, slag roof, steam heating, composition floors, dampproofing, iron stairs, metal lath, enameled bricks, safety treads. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Residence (alt.), Moorestown, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Arthur Collins, Moorestown, N. J. Frame, 2½ stories, tin roof (heating and lighting reserved). Contract awarded to Stewart L. Maines, Moorestown, N. J.

Blacksmith Shop, North Montgomery street, Trenton, \$3,200. Architect, private plans. Owner, James L. Moore, on premises. Brick, 1 story, 24x90 feet and 24x40 feet, slag roof, electric lighting. Contract awarded to Charles Y. Barbour, Trenton, N. J.

Store and Residence, 2319 River road, Camden. Architect, private plans. Owner, Harry P. Harteneck, Camden, N. J. Brick, 2 stories, 20x52 feet, slag roof, hot air heating, gas lighting. Contract awarded to Hensegen & Glauder, 1132 Mechanic street, Camden.

Stores (2) (alt. and add.), Second and Market streets, Camden, N. J. Architect, Thomas Stephen, Masonic Temple, Camden. Owners, Murphy Bros., Delaware avenue and Market street, Camden. Brick, 1 story, red tile roof, steam heating, electric lighting, Terrazzo floors. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden.

Stores (2), foot of Market street, Camden. Architect, Thomas Stephen, Masonic Temple, Camden. Owners, Murphy Bros., Delaware avenue and Market street, Camden. Brick, 1 story, 40x32 feet, slag roof, steam heating, electric lighting, composition and terrazzo floors, store fixtures. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

Residence, Collingswood, N. J., \$4,500. Architects, Moffett & Stewart, 30 North Third street, Camden. Owner, Clarence N. Haven, Collingswood, N. J. Hollow tile and stucco, 2½ stories, 40x24 feet, shingle roof, hot water heating, gas and electric lighting. Contract awarded to Edward Geschke, Collingswood, N. J.

Club House, Camden, N. J. Architect, J. C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, Fourth Ward Republican Club, 307 Broadway, Camden. Brick, 2 stories, 18x29 feet, electric lighting. Contract awarded to Frank L. Foulkes, 566 Pine street, Camden, N. J.

Residence, 1026 South Sixth street, Camden, N. J. Architect, private plans. Owner, John Schlörer, 800 Chestnut street, Camden, N. J. Brick, 2 stories, 18x36 feet, slag roof, hot air heating, gas lighting. Contract awarded to John Genter, 827 Walnut street, Camden, N. J.

THE PRIVATE RESIDENCE.

Should the private residence have special fire protection devices? Why not? Is not the investment in such residences far beyond that of the average mercantile property? If a mercantile property, the valuation of which is \$40,000, is considered worth the high-grade protection of sprinklers, why not the dangerous parts, the manufacturing parts, so to speak, of a private dwelling, even if the protection be not extended throughout? There is no reason why this should not be done. That is, the below-grade conditions sprinklered, as they are in many an office building. Coupled with the saving of the property, with its valuable and often priceless adornments, there is the question of human life which cannot be translated, of course, into dollars and cents.—"Architecture and Building."

ROEBLING WIRE LATH

"The Acknowledged Standard"

The Best Plaster Foundation for all classes of Buildings

Our new illustrated Catalogue, No. 1432, containing information of interest to Architects, Builders and Plasterers will be mailed upon request

Immediate Delivery of Lath from any of Our Stores

The New Jersey Wire Cloth Co.

MANUFACTURERS AND DISTRIBUTORS OF

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

—OFFICES AND STORES—

627 Market St., Phila., Pa., 210 Fulton St., New York City

93 and 95 Pearl St., Boston, Mass.

Miscellaneous Construction News

Sunday School and Chapel, Wilmington, Del., \$40,000. Architect, Edward Canby May, DuPont Building, Wilmington, Del. Owner's name withheld. Brick, limestone and stucco, 1½ stories, 45x60 feet and 30x30 feet, slate roof, steam heating, electric lighting. Plans in progress.

Church (alt. and add.), Wilmington, Del., \$10,000. Architect, Edward Canby May, DuPont Building, Wilmington, Del. Owner's name withheld. Brick and limestone, 1½ stories, 50x75 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residences (2), Wilmington, Del., \$15,000. Architect, Edward Canby May, DuPont Building, Wilmington, Del. Owner, Nathaniel McKinney, Sixteenth and Riverview avenue, Wilmington. Brick, limestone trimmings, 2½ stories, 36x45 feet, tin roofs, tile work (heating and electric work reserved). Architect has received bids and will award contract in one week.

Bungalow, Gordon Heights, Del., \$8,500. Architect, A. Edward Rhodes, Masonic Temple, Wilmington, Del. Owner, H. T. Crosley, R. F. D., Edgemoor, Del. Granite, 2 stories, 40x53 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence (alt. and add.), Wilmington, Del. Architects, E. L. Rice, Jr., Co., 815 Market street, Wilmington, Del. Owner, D. P. Barnard, Jr., 1606 West Thirteenth street, Wilmington, Del. Brick and frame, 3 stories, 16x16 feet, canvas roof, gas and electric lighting, window screens. Architects have received bids.

Residence (alt. and add.), Wilmington, Del. Architects, De Armond, Ashmead & Bickley,

618 Chestnut street, Philadelphia. Owner, H. Rodney Sharp, Wilmington, Del. Stone, 2½ stories, 22x24 feet, slate roof, electric lighting, vapor vacuum heating, oak floors. Architects taking bids, due March 22nd. The following are figuring: George & Borst, 277 South Eleventh street; H. L. Brown, 1714 Sansom street, Philadelphia; W. D. Haddock & Co., J. A. Bader & Co., DuPont Building, and M. Howard May, all three of Wilmington, Del.

Church, Washington, D. C. Architect, Chas. Bolton & Sons, Witherspoon Building, Philadelphia. Owners, St. Andrew's Episcopal Church, Washington, D. C. Stone, 1 story, 75x180 feet, slate roof. Plans in progress.

Office Building (add.), Edgemoor, Del. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owners, Edgemoor Iron Co., Edgemoor, Del. Brick, 2 stories, slag roof (heating and lighting reserved). Architect has received bids.

Residence (alt. and add.), Milford, Del. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Mrs. Saunders Truitt, Milford, Del. Frame, 2½ stories, new wing 15x20 feet and 12x15 feet, and general interior alterations, shingle roof, steam heating, oak floors. Plans in progress.

Residence (alt. and add.), Wilmington, Del. Architects, E. L. Rice, Jr., Co., 815 Market street, Wilmington, Del. Owner, Miss Katharine McClafferty, 704 Delaware avenue, Wilmington, Del. Brick, 3 stories, 28x74 feet, slag roof, hardwood floors (heating, electric work and tile work reserved). Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Garage and Show Rooms (alt. and add.), Wilmington, Del., \$5,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner, Anthony Jacoby, Third and French streets, Wilmington, Del. Brick, 3 stories, 50x150 feet, slag roof, electric lighting, gasoline storage, concrete floors, elevator. Contract awarded to Charles H. Tindall & Son, 614 Tatnall street, Wilmington, Del.

PROGRESSING IN THE ARTS.

Sir Hercules Read, in an interview in the "New York Times," made the following statement:

"I came over here first ten years ago," said Sir Hercules, in answer to a question, "and the last time I was here was in November, 1911. The strides made by the Metropolitan Museum since I first saw it are enormous. It is going ahead all the time. I don't know how it keeps pace with the mere bulk of its collections. What you will have to do eventually, I feel sure, will be to divide the pictures from the other works of art it contains, and make something like a great New York Picture Gallery. Pictures demand a different treatment altogether in a museum from other works of art. They require a different kind of knowledge, rarely found in people who deal with pottery and antiques and such things. I think it beneficial that a picture collection should be regarded from its own standpoint alone. That will come with time."

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., MARCH 17, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Maurar, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Broekie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlenberg
TreasurerWalter Mellor
Directors—Clarence C. Zantzinger, John Molitor,
John Graham, Jr., Frederick A. Muhlenberg.

Editorial Comment

That the "Build Now" movement, of which "The Guide" has been one of the most consistent advocates, has become nation-wide is evidenced by an article in the pages of the "New York Sun" from the pen of Noble Foster Hoggson, vice-president of Hoggson Brothers, of New York City and Chicago.

"This country has passed through a period of wasteful extravagance," writes Mr. Hoggson. "There has been a spirit of restlessness. In the prosperity that came so bountifully, costs were not counted and profits flowed in unrestrainedly.

"With little thought of principles imposed by supply and demand, buildings of all kinds were erected. The country seemed to be one vast factory of shrieking engines of construction. Everything was rushed. Haste was the watchword. Enthusiasm blinded the senses. In calmer moments activities in progress would be regarded as reckless speculation.

"There was hardly a city in America that was not overbuilt, or in imminent danger of it. That condition has passed, or is passing. The business depression of the last few years has had a peculiarly beneficial, chastening effect. Over-built cities have had a chance to catch up with themselves, and existing buildings as well as new structures will have an opportunity to return fair profits on investments.

"Now, therefore, is the time to build. Not merely for sentimental reasons nor for speculative purposes, but for sound economy. This applies with equal force to the erection of a residence as well as to the building of a bank or skyscraper.

"The cost of materials entering into construction of all classes is at a low ebb. It is unlikely that advantages afforded by present conditions will be met in a long time to come. Indications of increased prices are seen, and when business awakens, as it is destined to do soon, the cost of construction will rise to a high level. Just now the market is flooded with skilled labor and a choice of the best workmen may be had. This affords an element of saving that is no inconsiderable factor. For one thing it means a speedier operation and a consequent earlier completion of buildings.

"Herein lies the factor of practical philanthropy. Prosperity comes from within, not from without. It must have its beginning in individual communities. From it will develop a countrywide revival of business. One who undertakes a building operation now not only will help to improve local conditions, but will be a factor in bringing about larger good that must follow in the form of renewed activities."

* * *

A feature of Mr. Hoggson's article that deserves to be reprinted is the chapter headed,

"Seven Essentials to Success" in building. In these Mr. Hoggson, who has had wide experience in the constructing and investment field, sums up the considerations that should govern the investor in approaching the subject of building. These little rules are worthy of a place in the scrap book of every man who has to do with the field of new construction:

Seven Essentials to Success.

"A building operation may be considered successful when the owner is fully satisfied regarding all of the following seven essentials:

"1. Cost. The building to be worth all that it costs, and, if a renting building, to produce a satisfactory yield on the total investment.

"2. Appearance. The building to possess architectural character suitable to its location and purpose, and to deserve admiration as long as it stands.

"3. Arrangement. The building to afford maximum facilities to its occupants.

"4. Decoration and furnishing. Its interior to possess artistic unity, appropriateness and afford comfort and convenience.

"5. Stability. The building to withstand properly wear and tear of time and use.

"6. Speed. The building operation to have occupied the shortest time consistent with the quality and the extent of the work.

"7. Service. The building operation to have been conducted in a manner to leave the owner free from every care and responsibility, except approval of plans and materials and meeting payments.

"Any building may measure up to one, or perhaps several, of these essentials. Few buildings measure up to all of them.

"Nothing concerning a contemplated building should be decided definitely until all things concerning it are ready to be decided. To prevent excessive expenditure on one part and inadequate expenditure on another, work is not to be begun until all features have been brought to proper financial relationship.

"Under a building method which guarantees limit of cost no work can proceed until the wishes of the owner and his appropriation reach a well-balanced meeting point.

"If this meeting point is not reached, the owner should not be obliged to proceed. He should not be committed to spend a dollar on his building until he is satisfied fully as to plans, specifications and cost."

* * *

Arthur Maquarie and Bouna Fortuna, both mere pen names, we suspect, sign the sonnets and drawings addressed to great artists and called "The Uffizi A B C" that has recently been published by Giulio Gianni & Son, of Florence, Italy.

The lines on Angelico, Holbein and Da Vinci, while a trifle uneven as to metre, due

possibly to awkwardness in translating, are good enough to be reprinted, as witness:

"A is Angelico, friar and saint:

They called him Beato and got him to paint
All the glimpses of heaven that swam to his
eyes

As he knelt at his raptures too enraptured
to rise.

Paternosters he pattered on faster and faster,
And painted his visions straight onto the
plaster;

Then down in a swoon of sweet ecstasy sank—
You can view the whole convent to-day for
a franc.

* * *

"H is for Hans Holbein. Now all good Eng-
lishmen

Who boast descended glories which they hope
to raise again

Will lift their Holbeined ancestor in sorrow
from the wall,

And wrap him up in paper, and sneak him
through the hall,

Then take a cab to Christie's and ask for
Mr. Biz,

Who tells them, No, it isn't, and they answer,
Yes, it is.

* * *

"V is Da Vinci, a man of such parts

That his genius ran over the bounds of the
arts.

He could sing you a sonnet in tune to his
lute,

He could dance, he could ride, he could fence,
he could shoot.

He excelled in hydraulics and dry engineer-
ing;

He invented a fresco now fast disappearing;
His knowledge of chemicals grew to be such
That inquisitors hinted he knew far too much.
Which was happily true; for when they look-
ed askance

He packed his portmanteau and moved into
France.

There he managed to die in the arms of a
king;

Not a difficult feat, but a chic sort of thing."

* * *

"One of the rare treats afforded art lovers and architects the past fortnight was given by the presence in the city of Prof. William Henry Goodyear, of the Brooklyn Institute of Arts and Sciences, who lectured twice in the Academy of the Fine Arts' lecture room on 'Architectural Asymmetries and Refinements,'" writes the Art Reviewer of the "Ledger." "Horace Wells Sellers, Clarence Zantzinger and others had Professor Goodyear in tow and give him every honor, as is his due, since he is the recognized authority on that astounding problem of curved variations from the plan and curved variations in elevation that not only exist in Egyptian and Greek architecture, but in medieval cathedrals as well.

"Mr. Goodyear's exhibit was only about a fourth of his great collections in Brooklyn, and he is a treasure-house of facts in himself. His postulates as to the curves in Greek temples, the departures from straight lines, horizontal and vertical, run somewhat as follows: That they were not intended to over-

come or to correct optical illusion, as some have suggested, but, on the contrary, were developed (a) to please the eye by voiding inartistic effects due to strict adherence to a formal monotony in art; (b) to suggest and to enhance and to accentuate desirable effects, and (c) to avoid unpleasant effects which are the result of too much mathematical accuracy in the matter of correspondence in details, unpleasant, undesirable and to the Greeks inconceivable in good art. In his superb monograph or 'Greek Refinements,' the author sets all this out, but in his talks, conferences and lectures here he took up the less known but equally amazing variations in asymmetry in medieval churches, and proved his point in a communicative manner. Mr. Goodyear began to work at these problems in 1869 and it has been a labor of love and his life-work since. A ripe savant, honored abroad and at home, he to-day is the leading authority, and his quiet conviction and contagious enthusiasm carry everything before them. His visit was a thing of note and was so regarded by his sponsors."

* * *

With the formal opening of the Panama Exposition, it is at last possible to obtain some information in regard to the Department of Fine Arts, says the "American Art News" special from San Francisco, and continues:

"In the first place, it must be fully admitted, and the fact glorified in, that the beauty of the Art Palace is itself a great work of art, and one that draws warm plaudits from the multitudes thronging the grounds. It must also be admitted, with less joy, that despite all the statements which the Exposition officials have issued or permitted to be issued, regarding the fully completed character of the Exposition, the facts do not bear out this statement. The Fine Arts Department is far, indeed, from being in a completed condition. Indeed, with the slow steamship Jason only just departed from Europe with the Spanish, Belgian and other foreign contributions, it will be several months before it is in a final shape.

"Even the American section, pre-eminently the most important, is far from being complete. There are to be about 4,000 to 4,500 sculptures and paintings in all in the American section, but only about 75 per cent., at a liberal estimate, are now on view. There are to be 62 galleries devoted to the American section. Only 30 are open to the public now, and many of these are not in complete shape. Of course, all kinds of difficulties faced those in charge—foreseen and unforeseen. There may be ample reasons for the unreadiness of the art department, but the fact remains that unready it is.

"There are separate rooms devoted to those artists in whom the directors of the departments judge the fundamental importance of American art to be incarnated, in many and diverse forms. These are as follows: The painters: William M. Chase, James McNeill Whistler, John S. Sargent, John T. Twachtman, Edward W. Redfield, Frank Duveneck, Childe Hassam, Howard Pyle, William Keith,

Edmund C. Tarbell, Frank Matthews and Francis McComas, pointily, Gari Melchers, and the etcher, Joseph Pennell. Walls of other rooms are devoted to a number of other American artists, among them Edwin A. Abbey, Winslow Homer, Frank Currier, Robert Henri and Cecilia Beaux. A room is also devoted to the Panama paintings of Alson Skinner Clark.

"Of these rooms there are many vacancies in those devoted to Whistler, Sargent, Tarbell and Howard Pyle, the paintings to complete the allotted space given to these artists having not yet arrived.

"In American sculpture, numerically, at least, Robert Aitken, Paul Wayland Bartlett, Emily Clayton Bishop, Karl Bitter, Cyrus Edwin Dallin, A. Sterling Calder, Charles Gaffey, Paul Manship, Bessie Potter Vonnoh, Paul Troubetzkoy, Bela L. Pratt, Olin M. Warner, Janet Scudder and A. Phimister Proctor are best represented. St. Gaudens is represented, so far, by one piece only, the seated Lincoln. Daniel Chester French is represented by four pieces, the Earl Dodge memorial, a Lincoln, lent by the State of Nebraska; the Alice Freeman Palmer memorial and a study of a head. A great deal of the sculpture is shown outside the Fine Arts Building and gains wonderfully in natural effectiveness.

"Unlike all the other Exposition buildings, the Fine Arts palace interior is not one huge space, but is cut up into a multitude of small rooms leading into each other in a scheme designed to draw the crowds in an orderly manner through the exhibitions that are arranged to give a unified idea of the development of American art."

When you've got something to say on a matter of trade interest, write it and send it to "The Guide." Or if you don't care to write it, call up "The Guide," and one of "The Guide's" men will call and shape it as an interview. "The Guide" is always glad to get matter of that kind, and is never too busy to go after it.

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



THE SHAPE OF THEATRE INTERIORS.

In commenting upon the shape of theatres or rather of their auditoria, a writer in a recent issue of the London "Times" calls attention to the fact that when James Burbage built the first public play-house he made it round, thus following the principle adopted in the Greek and Roman theatre, the Roman amphitheatre, the bull-rings and bear-rings. The writer makes the point that the Elizabethan theatre had its stage out in the arena, with the audience on three sides of it, and the "Restoration" stage had its 'apron' projecting so far out into the auditorium that the people in the side bores must have seen a great deal of the action from behind.

The modern theatre, it is pointed out, has entirely altered the relative position of stage and audience. The stage is no longer among the audience, but a framed picture in front of them, and the writer therefore suggests that the proper shape for a modern theatre auditorium is rectangular, and the retention of side galleries a solecism. Theoretically the principle of the writer is sound, but he forgets that galleries on the side walls enable a larger audience to be grouped within a theatre of a given size, thus with any given audience bringing a larger proportion nearer to the stage, and as theatres are commercial ventures—often, we might say, speculations—making for economy in cost of erection. It may be remembered that in many large concert halls of rectangular form side galleries are used as well as those at the end.

The chap who bags the glittering prize
Is the fellow who learns to advertise.

MARYLAND Construction News

Court House, Prince Frederick, Md. Architect, T. Kent Roberts, 924 Seventeenth street, N. W., Washington, D. C. Owners, Court House Commission, J. Briscoe Bunting, Secretary, Prince Frederick, Md. Stone, brick and steel, 3 stories. Owners taking bids, due March 27th, at noon. The following are figuring: Cogswell-Koether Co., 406 Park avenue; Singer-Pentz Co., Equitable Building; D. M. Andrew Co., Mt. Vernon avenue; Thos. P. Johns, 405 McCulloh street, all of Baltimore, Md.; C. B. Pierce, 2900 P street, Washington, D. C.; Richardson & Burgess, Washington, D. C.; George Turner, Prince Frederick, Md.; H. B. Pilchard, Pocomoke City, Md.; King Lumber Co., Charlottesville, Va.; Ernest Nichols, Laurel, Md.

Residence (alt. and add.), Towson, Md. Architect, Thomas Bond Owings, 347 North Charles street, Baltimore, Md. Owner, Wade Thomas, Towson, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Building (alt. and add.), Baltimore street and Guilford avenue, Baltimore. Architect, O. G. Simonson, Maryland Casualty Building, Baltimore. Owners, Maryland Casualty Co., Maryland Casualty Building, Baltimore. Lessee, John R. Thompson, 305 Clark street, Chicago, Ill. Steam heating, electric lighting. Plans in progress.

Church (alt. and add.), Calhoun street, Baltimore, Md. Architects, Owens & Sisco, Continental Building, Baltimore, Md. Owners, Lafayette Square Presbyterian Church, Rev. John A. MacSporran, 1115 West Lanvale st., Baltimore. Consists of new gymnasium and hall, electric lighting, steam heating, metal lockers. Plans in progress.

Residence, Poplar Hill, Md. Architects, Smith & May, Law Building, Baltimore, Md. Owner, James Locke, Chattolane, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Hospital (alt. and add.), Broadway, Baltimore, Md., \$40,000. Architects, Smith & May, Law Building, Baltimore. Owners, Hebrew Hospital, Broadway, Baltimore, Md. Brick, 3 stories, slate roof, steam heating, electric lighting. Architects taking bids. The following are figuring: C. L. Stockhausen Co., Marine Bank Building; George Burmecke & Sons, 305 St. Paul street; J. E. Marshall & Son, 121 Mercer street; J. Henry Miller, Eutaw and Franklin streets, all of Baltimore.

Residences (20), Baker street, Baltimore, Md. Architect, private plans. Owner, John R. Robinson, 401 East Preston street, Baltimore. Brick, 2 stories, 14x45 feet each, tin roof, steam heating, electric lighting. Owner taking sub-bids.

Residences (2), Belmar, Md., \$12,000. Architect, private plans. Owners, Overlea Realty Co., 343 North Gay street, Baltimore. Frame, 2½ stories, 26x30 feet each, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Mt. Airy, Md. Architects, Speiden & Speiden, Washington, D. C. Owner,

Miss C. Bevans, Mt. Airy, Md. Frame, 2½ stories, 34x39 feet, asbestos shingle roof, electric lighting. Plans in progress.

Residence, Belmar, Md. Architect not yet selected. Owner, Charles A. Kelso, 30 North Patterson Park avenue, Baltimore. Concrete blocks, 2½ stories, 28x35 feet, slate roof, electric lighting, steam heating. Owner will soon select architect.

Residences (10), Norfolk and Winfield avenues, Baltimore. Architect, W. B. Gerwig. Owner, O. P. Roberts, 2611 Garrison avenue, Baltimore. Brick, 2 stories, 14x50 feet each, tin roof, electric lighting, steam heating. Plans in progress.

Store Buildings (3), 305 West Lexington street, Baltimore. Architect, John Freund, Jr., Hoffman Building, Baltimore. Owner, Liebleck Estate, Baltimore, Md. Brick, 3 stories, 16x78 feet each, slag roof, steam heating, electric lighting, tile work. Architect taking bids. The following are figuring: Singer-Pentz Co., Equitable Building; M. C. Davis, 633 North Calvert street; J. Henry Miller, Eutaw and Franklin streets; Thomas B. Stanfield & Co., 212 Clay street; Edward Watters & Son, 509 North Charles street; C. L. Stockhausen Co., Marine Bank Building; Blake & Engle, Law Building; Adam Kratz, 343 South Smallwood street; Consolidated Engineering Co., Calvert Building; R. B. Mason, 308 West Madison street; L. Schoenlein & Son, 2217 East Baltimore street, all of Baltimore.

Stores (3), Fallsway, near Baltimore street, Baltimore. Architect, Louis Levi, Munsey Building, Baltimore, and Real Estate Trust Building, Philadelphia. Owner, Louis Miller, 5 Lloyd street, Baltimore. Brick, 3 stories, slag roof, electric lighting, elevator, steam heating. Architect taking bids. The following are figuring: R. B. Mason, 308 West Madison street; B. F. Bennett Building Co., 123 South Howard street; M. Swerdlin, 4 North Front street, all of Baltimore.

Nursery, Payson and Fayette streets, Baltimore. Architect, George R. Callis, Knickerbocker Building, Baltimore. Owner, St. Martin's R. C. Church, on premises. Frame, 2 stories, tin roof, electric lighting. Architect taking bids. The following are figuring: Edward Brady & Son, 1113 Cathedral street; Monmonier & Sorrell, 1711 McCulloh street; Singer-Pentz Co., Equitable Building; James J. O'Connor, Eager and Warden streets, all of Baltimore.

Warehouses (3), Sharp street, Baltimore, Md. Architect, J. C. Spedden. Owner, Isaac Schlessinger, Baltimore, Md. Brick, 3 stories, 18x65 feet each, slag roof, electric lighting. Architect taking bids. The following are figuring: B. F. Bennett Building Co., 123 South Howard street; W. E. Horn Co., 213 North Calvert street; R. B. Mason, 308 West Madison street; Fidelity Construction Co., 1709 West Lexington street; Singer-Pentz Co., Equitable Building, all of Baltimore.

MARYLAND Contracts Awarded

Warehouse, Central avenue, near Baltimore street, Baltimore. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owners, Baltimore Plumbing Supply Co., 1001 East Baltimore street. Brick, 2 stories, 75x53 feet,

slag roof, electric lighting, steam heating. Contract awarded to Fidelity Construction Co., 1906 West Lexington street, Baltimore, Md.

Apartment House, St. Paul street, between

Twenty-sixth and Twenty-seventh streets, Baltimore, Md. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owners, Normandie Apartment Co. Brick, stone and steel, fireproof, 6 stories, slag roof, steam heating, electric lighting, elevators, tile and marble work. Contract awarded to West Construction Co., Knickerbocker Building, Baltimore, Md.

Residence (alt. and add.), Roland Park, Md. Architects, Ellicott & Emmart, Union Trust Building, Baltimore. Owner, Dr. Henry Young, Roland Park, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting. Contract awarded to Gladfelter & Chambers, 729 Roland avenue, Roland Park, Md.

Store Building (alt. and add.), 1612 to 1622 Barnes street, Baltimore. Architect, John Freund, Jr., Hoffman Building, Baltimore. Owner, Mrs. Katherine Pokos. Brick, 2 stories, store fronts, electric lighting, steam heating. Contract awarded to Edward Watters

& Co., 509 North Charles street, Baltimore, Md.

Residence, Liberty Heights and Forrest Park avenues, Baltimore. Architect, C. M. Anderson, 324 North Charles street, Baltimore. Owner, J. W. Spence. Frame, 2½ stories, slate roof, steam heating and electric lighting. Contract awarded to Adam Kratz, 343 South Smallwood street, Baltimore, Md.

Residence, Garrison and Carlisle avenue, Baltimore. Architect, private plans. Owner, Otto Langrall. Frame, 2½ stories, 29x48 feet, slate roof, steam heating, electric lighting. Contract awarded to E. G. Turner, 15 East Fayette street, Baltimore, Md.

Church, Ten Hills, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore, Md. Owner, Trinity M. E. Church, Ten Hills, Md. Stone, 1 story, 42x84 feet, slate roof, steam heating, electric lighting. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore, Md.

F. De Babarino (O), Christian and Darien streets. F. Lucci (C), 1351 Christian street. Cost, \$1,100. Dwelling, brick, 3 stories, 12x12 feet, 767 South Tenth street.

Treen Box Co. (O), Memphis and Tioga sts. Barnes Bros. (C), 2080 East Willard street. Cost, \$4,000. Manufacturing, brick, 50x21 feet, 2 stories, Memphis and Tioga streets.

A. Shestack (O), 528 Reed street. B. Shestack (C), 528 Reed street. Cost, \$600. Garage, brick, 1 story, 15x20 feet, 1005 South Reese street.

P. J. Conway (O), 159 West Springfield avenue. I. A. Dunkelberger (C), 71 Herman street. Cost, \$3,500. Garage, brick, 1 story, 36x56 feet, 159 West Springfield avenue.

Mrs. R. Forrester (O), York road and Cheltenham avenue. Robert Forrester (C), York road and Cheltenham avenue. Cost, \$1,800. Dwelling, stone, 3 stories, York Road and Cheltenham avenue.

P. A. B. Widener (O), Land Title Building. George A. Fuller Co. (C), Morris Building. Cost, \$5,000. Alteration and addition to hotel, Thirteenth and Chestnut streets.

J. A. Mullin (O), 5512 Vine street. Cost, \$2,000. Stable, brick, 1 story, 30x110 feet, Summer and Vodge streets.

Mellon Estate (O), Bryn Mawr, Pa. G. C. Dougherty (C), 1725 Ludlow street. Cost, \$2,000. Office and stores, 1619 Sansom street.

C. M. Lam (O), 1001 Wood street. Lam Building Co. (C), 1001 Wood street. Cost, \$1,000. Office, 1003 Wood street.

Presbyterian Orphanage (O), Fifty-eighth and Greenway avenue. A. P. Fraim (C), 319 Market street. Cost, \$3,000. Infirmary, brick, 8x32 feet, 2 stories, Fifty-eighth and Greenway avenue.

HOW TO SELL PROPERTY.

1. Get a reliable broker. The one who is located nearest the property, all things being equal, is presumably the best for your interest.

2. Have him put a sign on the property. Buyers or renters like to first inspect the neighborhood they fancy or desire, and they approach the broker with the sign on the property with confidence.

3. Tell your broker to advertise liberally and back him up in the expense to be deducted from the real estate commission when paid.

4. In a large property, extra printing, booklets, plans, etc., at owner's expense are necessary. Tell your agent to go ahead and do it right.

5. Never butt in on the agent's work.—“Real Estate Board's Bulletin.”

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

Play-it-on-a-hunch advertising is not the kind that wins out. The steady, persistently

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

A. Shestack (O), 528 Reed street. Cost, \$2,500. Dwelling, brick, 3 stories, 15x26 feet, 1006 South Fifth street.

Walter Smith (O), 5263 Ridge avenue. Cost, \$7,200. Dwellings (4), brick, 2 stories, 16x44 feet, 351 Dawson street.

J. Y. T. Adair (O), 6900 Second Street Pike. One store and dwelling, brick, 3 stories, 16x50 feet, Rising Sun Lane and Hellerman street.

R. H. Pugh (O), 5713 Market street. Cost, \$4,000. Dwelling, brick, 2 stories, 19x34 feet, Fifty-sixth and Thomas avenue.

W. Schmitt (O), 4930 Fairhill street. Cost, \$8,500. Five dwellings, brick, 2 stories, 15x24 feet, 4936 to 44 North Fairhill street.

John Laux, Jr. (O), 2701 Ridge avenue. H. R. Moyer (C), 2029 East Wishart street. Cost, \$9,600. Seven dwellings, brick, 2 stories, 15x25 feet, Salmon and Brill streets.

Trinity Lutheran Church (O), Germantown avenue and Queen street. Burd P. Evans Co. (C), Thirteenth and Wallace streets. Cost, \$17,000. Parish house, stone, 1 story, 40x96 feet, Germantown avenue and Queen street.

Barnet Rubin (O), 3121 Frankford avenue. Cost, \$9,300. Six dwellings, brick, 2 stories, 15x42 feet, Beechwood and Spencer streets.

C. Kiely (O), 312 West Seymour street. F. Kiely (C), 312 West Seymour street. Cost, \$16,800. Twelve dwellings, brick, 2 stories, 14x27 feet, Richmond and Orthodox streets.

Dr. G. C. Jenkins (O), 6406 Germantown avenue. G. A. Sorber (C), 18 Harvey street. Cost, \$8,500. Dwelling, stone, 3 stories, 28x46 feet, 6439 Emlen street.

Otto Ketterman (O), Jackson and Van Kirk streets. Cost, \$8,400. Six dwellings, brick, 2 stories, 14x30 feet. Cost, \$1,600. One dwelling, Jackson and Van Kirk streets.

City of Philadelphia (O), City Hall. W. W. Anstine Co. (C), 1214 Filbert street. Cost, \$56,535. Power house, brick, 1 story, 70x116 feet, Second and Luzerne streets.

George T. Sale (O), Pennsylvania Building. H. A. L. Smink (C), 5320 North Twelfth street. Cost, \$19,500. Three dwellings, brick, 3 stories, 20x38 feet, Frankford, Philadelphia.

Charles Cassidy (O), 422 North Thirtieth street. W. J. McShane (C), 417 South Thirteenth street. Cost, \$2,775. Dwelling, brick, 2 stories, 16x26 feet, 3102 Spring Garden street.

Moss & Taylor (O), Fifty-eighth and Girard avenue. Cost, \$200,000. Sixty-four dwellings, brick, 16x36 feet, Lansdowne and Highland avenue.

Alterations and Additions

George Garvin (O), Sixth and Norris streets. Bushnell Bros. (C), 2246 North Fifth street. Cost, \$950. Dwelling, brick, 2 stories, 11x14 feet, Sixth and Norris streets.

John Bennett (O), Seventeenth and Lehigh avenue. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$975. Saloon and dwelling, Seventeenth and Lehigh avenue.

F. Stickney (O), 230 North Fifty-third street. N. D. Hauer (C), 146 North Fifty-sixth street. Cost, \$600. Stable, 10x17 feet, brick, 1 story, 230 North Fifty-third street.

M. & J. B. McHugh (O), Commercial Trust Building. Cost, \$1,200. Office, brick, 1 story, 15x32 feet, 892 North Markoe street.

R. B. Scott (O), 1200 Poplar street. W. S. Snyder (C), 4502 Springfield avenue. Cost, \$1,000. Dwelling, 1203-5 Myette street.

J. F. Campbell (O), 2368 North Lambert street. D. J. Maguire (C), Fidelity Building. Cost, \$2,000. Shop, 42x60 feet, brick, 1 story, Glenwood avenue and Croskey street.

G. N. Schuler (O), 5524 North Second st. Schreiber & Steinhauer (C), 5324 North Fifth street. Cost, \$2,675. Garage, brick, 1 story, 46x48 feet, Second and Olney avenue.

H. L. Becker (O), 2309 North Park avenue. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$2,000. Dwelling, 2309 North Park avenue.

Mrs. W. Paxon (O), 8764 Frankford avenue. J. A. Hand (C), 8029 Frankford avenue. Cost, \$2,000. Dwelling, 2309 North Park avenue.

Mrs. W. Paxon (O), 8764 Frankford avenue. J. A. Hand (C), 8029 Frankford avenue. Cost, \$700. Dwelling, 8764 Frankford avenue.

COMPLEX DUTIES OF ARCHITECTS.

In discussing the complex duties of the practice of architecture at the present day, a writer in a recent issue of the "Engineering Record" offers the following pertinent comments:

"Before passing hasty judgment upon the architect of our times, think a moment of the evil days upon which he has fallen. In the Mediaeval times he must perforce know only the technique of masonry—the rest was his art. If he were building a church the fine stimulus of the Gothic was his inspiration, and his medium was craftsmanship in stone. To-day he must know masonry and concrete, structural steel, and sanitary plumbing, lighting and heating, electric wiring and acoustics. His predecessor did not have to plan for buying his stone from one source; his steel from another, and his woodwork from a third; he was not hounded by agents of patented devices, nor pestered by circulars of supplies offering him 'the usual architect's commission of — per cent.'

"All these things the architect of to-day has to endure, besides being called a slavish copyist if he turns to the best in antiquity, and a commonplace innovator if he does not. His chief hope is in suiting himself as best he may to new conditions, calling in technical advisers on the details which he cannot in the nature of things have time to master, even if he has the ability, standing the more firmly by the interests of his client as he confronts a regiment of sub-contractors, and remembering that he must be artist before being engineer or contractor.

GOOD DESIGN IN SCHOOL ARCHITECTURE.

An architect in apologizing for a very uninteresting design of a small school building once said to the writer: "You cannot do much with a grade school in the way of architectural effect. After all, it is nothing but a school house." The attitude of mind of this man, who was in other respects an artist, a clever draftsman and a master of the business end of his profession, is typical of many architects who do not realize the true meaning of a schoolhouse and fail to appreciate the opportunity which it affords. There is, consequently, in their designs a fatal lack of spirit and a barrenness of results.

The children of the United States have been suffering from this kind of school architecture for many generations. In fact, the lack of appreciation of good architecture in a great proportion of our native population may be traced directly, in part, to the neglect of school boards to demand, and our architects to provide, our schoolhouses universally with high architectural qualities.

It has been said very truly that the design of a schoolhouse involves an educational obligation. The effect which every school building has upon its occupants in the formation of their taste and love for good design and good architecture is very real. The school architect has no right to forget this, and every

building which he erects, no matter how limited in cost, or how elaborate, or how strong and well built it may be, fails of its true mission so long as it is not truly pleasing, artistic and inspirational from an architectural stand point. "School Board Journal."

HEIGHT OF KITCHEN SINKS.

A very unfortunate feature often found in connection with the kitchen equipment of our modern apartments is the uncomfortable height at which the sink is placed. In many cases its position is so low as to cause the person working at it to bend or stoop in a way to soon make the back ache and prove exceedingly tiresome. Cases might be cited where upon measurement the front rim of the kitchen sink is found to be only 28 inches from the floor, and it can readily be imagined how uncomfortable this must be to a person of average stature.

In order to obtain a consensus of opinion as to what is the most desirable height for a kitchen sink the Trenton Potteries Company, Trenton, N. J., has recently given out the results of a straw vote which was taken for this purpose. When the votes were counted it was found that 8 per cent. were in favor of a height of 32 inches, 59 per cent. favored a height of 34, and 33 per cent. favored a height of 36 inches. From these figures it will be seen that 28 inches is exceedingly low for a kitchen sink and decidedly uncomfortable for the person who has to do work at it.

The world is just chock full of men who failed because they expected buyers to romp right in and ask for goods. Modern business spends big money simply to get the buyer interested knowing that sales follow.

HOUSING CONDITIONS COMPARED

At a meeting of the State Housing Association in Harrisburg, attention was called to the period when carelessness and wastefulness was permitted in connection with insanitary and inadequate buildings for housing the poor. It was pointed out that in many instances the older tenements and cheaper class of houses have been replaced with those of a better grade, and, it is stated, that the small houses are now equipped with conveniences that were unknown even in pretentious houses a quarter of a century ago.

Now, hot and cold water, inside plumbing, general heating and bath rooms are included in many of the houses occupied by even the poorer classes. There can be yet devised for installation at a low cost, plumbing systems and heating systems that would add still more to the health and comfort of those who occupy even the cheapest class of buildings. A house built without any heating apparatus entails upon the occupant the necessity of spending a considerable sum for heating and cooking stoves for the family, and, if this outlay is not made, the house, during the winter season, contains the same air at the

end that it did at the beginning, and a damp, chilly atmosphere.

This condition can be changed by the installation of heating systems which would be so inexpensive that they would not amount in price to that of a high-grade parlor heater for one room. Unfortunately there is nothing to compel progress in this particular line, while, in so far as plumbing is concerned, the necessity of providing a water supply, and the prohibition of the use of privy vaults, insures both a water supply and a sanitary disposal of the house sewage.

It remains for someone to prove to the satisfaction of the multitude, so as to create a demand, that the cost of a heating equipment for a small home is so small that the interest on the investment will not substantially increase the rent.

Roebbling Wire Lath:

Roebbling Wire Lath is pronounced by builders who have used it one of the most satisfactory foundations for the plaster of side walls, partitions and ceilings of rooms they have ever tried. The great advantage which Roebbling Wire Lath possesses over all other forms of lathing resides in the fact that the wires, being of inconsiderable bulk, becomes imbedded in the plaster or cement when applied, with the result that the wall or ceiling forms a practically homogeneous mass. Plaster applied on this base cannot tear away or break loose for the reason that it has become virtually one with the lath to which it is applied and is there to stay. Walls laid on this base are not combustible. When properly laid they resist with equal efficiency the action of the elements, fire and vibration. In the great Baltimore fire in 1904, and at the time of the earthquake and fire in San Francisco in 1906 buildings in which Roebbling Wire Lath was used stood up under water, fire and shock.

Roebbling Wire Lath is a steel fabric with square holes. It is supplied with ribs of pressed steel V shape or solid round rods. These ribs are woven into the fabric under and over. All Roebbling lath is given a coat of black asphaltum in the roll or is made of wire galvanized before weaving. It cannot rust and wears indefinitely. The fabric is easily applied anywhere, comes in areas of large units and is of a design that makes covering easy and thorough. The back of a wall done on a Roebbling lath base presents a surface bound and cohesive at every mesh, forming a wall that has practically two sides. The advantage of this feature when it comes to durability and capacity to withstand wear and tear must be at once apparent to any experienced architect or builder. The cost of Roebbling lath is not excessive. The New Jersey Wire Cloth Company, manufacturers, Trenton, N. J., or the Philadelphia office, 627 Market street, Philadelphia, will furnish descriptive literature on request.

Ever try a "Want" ad. in The Guide?
Gets the goods every time.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Gas Grates.

J. B. Spruance, 9 S. 18th st., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Wall Safes.

J. B. Spruance, 9 S. 18th st., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

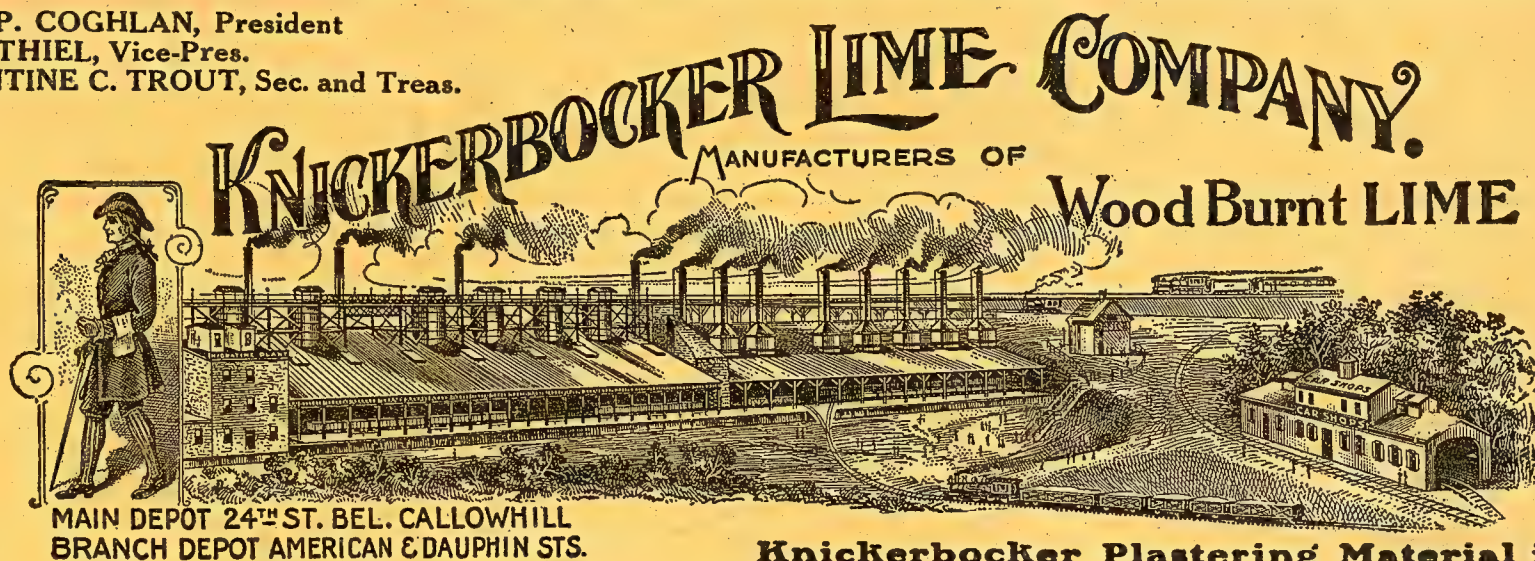
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF
Builders' and Ornamental
IRON WORK
Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.



THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 12.

PHILADELPHIA, WEDNESDAY, MARCH 24, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

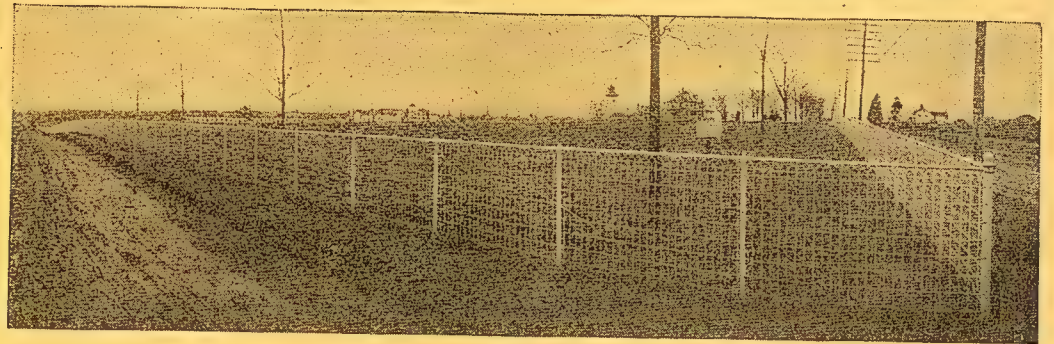
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

Correspondence Solicited.

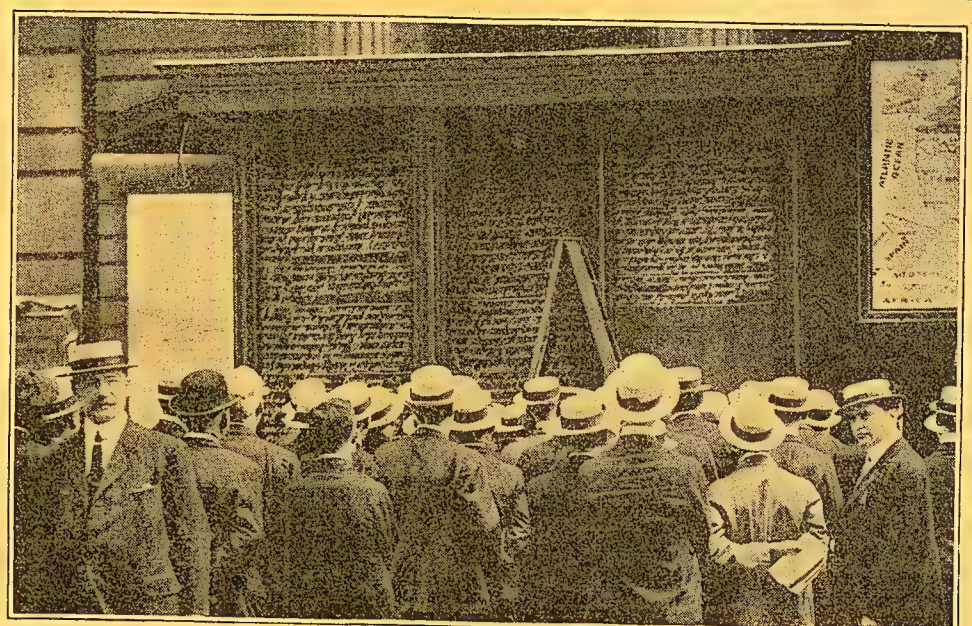
Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City

THE NATIONAL CEMENT



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

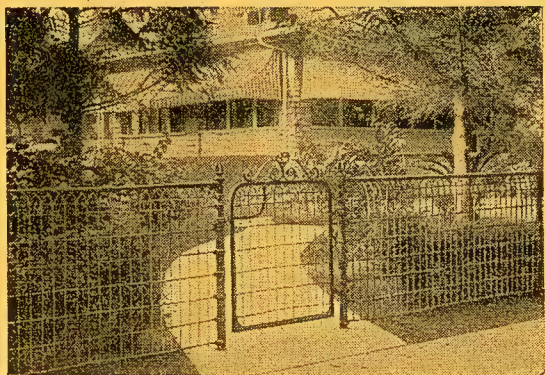
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



DESIGNS

DETAILS

CHAS. H. KOHN & CO.

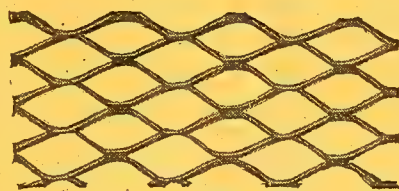
Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO"

Expanded Metal Lath



"Bilco" Diamond Mesh

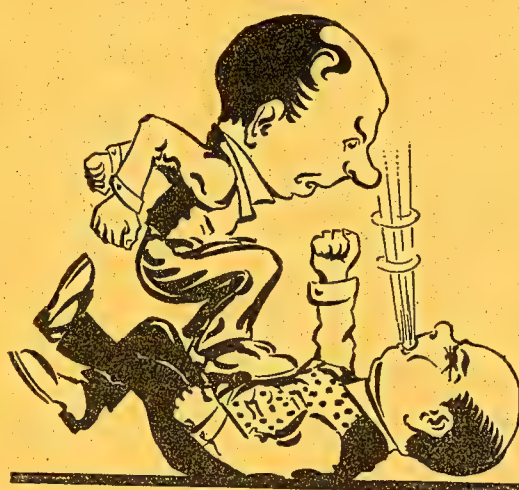
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra Cotta

Face Brick

Hollow Tile

Paving Brick

Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

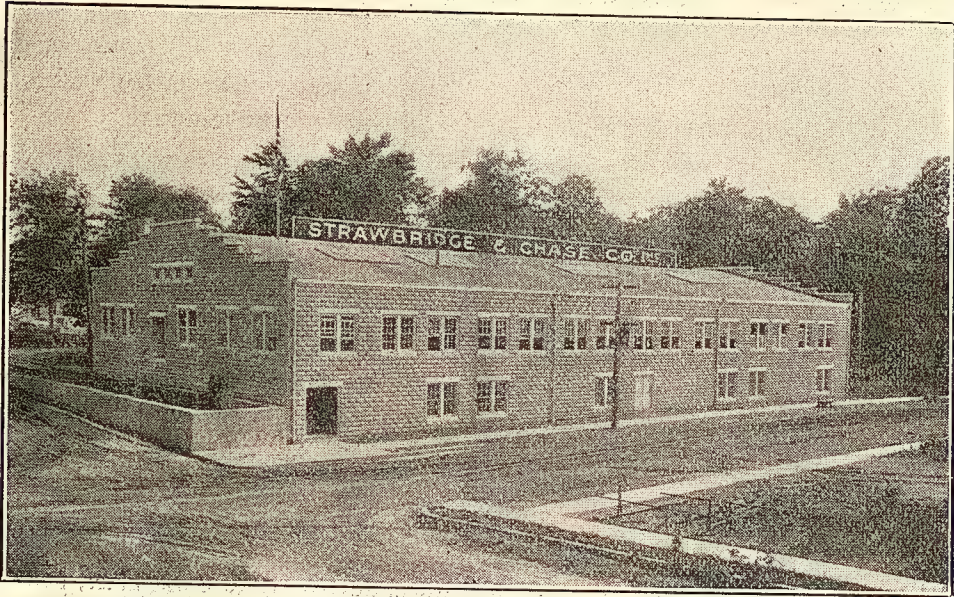
MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



**THIS IS WHERE WE MAKE
EVERYTHING IN WIRE**

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Fac'ory, AUDUBON, N. J.

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring

The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc., wherever a smooth, sanitary, fire and water-proof flooring is desired.

**Leatherfloor is the Best
Our Motto, "None Better"**

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings

Our new illustrated Catalogue, No. 1432, containing information of interest to Architects, Builders and Plasterers will be mailed upon request

The New Jersey Wire Cloth Co.

MANUFACTURERS AND DISTRIBUTORS OF

ROEBLING WIRE LATH, Wire Cloth, Netting, Fencing and Wire Work
Main Office, Trenton, N. J.

—OFFICES AND STORES—

627 Market St., Phila., Pa., 210 Fulton St., New York City
93 and 95 Pearl St., Boston, Mass.

Immediate Delivery of Lath, Cloth Netting, etc., from any of Our Stores



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

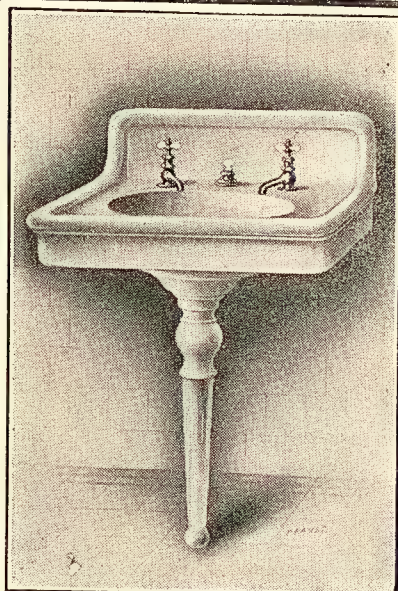


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Catalogue D*.

Specify "CAPOCO" Ware for your
Bath Rooms on particular work

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



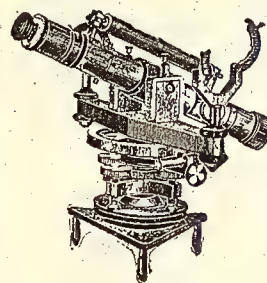
The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing
Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transits from \$15
to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

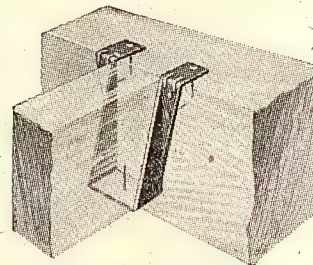
1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

STEEL JOIST HANGERS

The cheapest method for all framing of joist in
Apartment Houses, Residences, Store Buildings, etc.



SPECIAL NET PRICES:

2 x 8 in. joist, 9c.	3 x 8 in. joist, 11c.
2 x 10 in. joist, 11c.	3 x 10 in. joist, 14c.
2 x 12 in. joist, 12c.	3 x 12 in. joist, 18c.
4 x 10 in. joist, 17c.	6 x 10 in. joist, 30c.
4 x 12 in. joist, 19c.	6 x 12 in. joist, 35c.

Cleanout Doors
Anchors

Ash Drops
Wall Ties

Dampers
Cellar Doors

Carried in Stock

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-32

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 12.

PHILADELPHIA, WEDNESDAY, MARCH 24, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence, Melrose avenue, Oak Lane, Pa. Architect, Edwin A. Yeo, Stephen Girard Building, Philadelphia. Owner, Mrs. William S. Yeo, 1861 Frankford avenue, Philadelphia. Stone and frame, 2½ stories. Details not yet decided. Plans about to be started. Architect will take bids in about three weeks.

Cooper Shop, Thompson and Huntingdon streets. Architect, private plans. Owner, John T. Lewis & Bros. Co., Lafayette Building, Philadelphia. Concrete and steel, 2 stories, 34x95 feet, galvanized iron roof. Owners have received bids.

Garage, 416 Coulter street, Germantown, \$2,500. Architect, private plans. Owner, Frank H. Rinker, 416 Coulter street, Germantown. Brick, 1 story, 50x56 feet, slag roof, electric lighting. Owner taking sub-bids.

Garage, 5217 North Broad street, Philadelphia. Architect, private plans. Owner, W. D. Chamler, 4933 North Broad street, Philadelphia. Brick, 1 story, 14x19 feet, slate roof, electric lighting. Owner has received bids.

Residences (26), Tabor road and Marshall street, Philadelphia. Architect, private plans. Owners, A. B. & C. F. Millett, 5010 North Twelfth street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, electric lighting, hot water heating, oak floors. Owner taking sub-bids.

Apartment House (alt. and add.), Germantown. Architects, Guy Kink Co., 1513 Walnut street, Philadelphia. Owner's name withheld. Brick, consists of interior alteration and addition. Plans in progress.

Apartment House, Maryland and Martin streets, Germantown, Pa. Architects, private plans. Owner, J. E. Limeburner, 1720 Chestnut street, Philadelphia. Brick, 3 stories. Plans in progress. Owner will take bids.

Factory, Hancock and Columbia avenue, Philadelphia. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, West Electric Hair Curler Co., 45 South Front street, Philadelphia. Brick, 2 stories, 60x150 feet, slag roof, electric lighting, steam heating. Plans in progress.

School, Eighty-fifth and Tinicum avenue, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St.

Raphael's R. C. Church, care of Rev. J. J. Kane, on premises. Brick and stone, concrete fireproof, 2 stories and basement, 61x123 feet, slag roof, iron stairs (heating and lighting reserved). Architect taking bids, due March 29th. The following are figuring: Melody & Keating, Bailey Building; William R. Dougherty, 1610 Sansom street; Bailey-Lush Co., 201 North Broad street; William McShane, 417 South Thirteenth street; J. Myers & Sons, Witherspoon Building.

Club house, 462 to 466 North Eighth street, Philadelphia. Architect, private plans. Owners, Quaker City Athletic Club, care of Benjamin E. Sattler, 930 Real Estate Trust Building, Philadelphia. Reinforced concrete, 2 stories, 63x130 feet, slag roof, steam heating, electric lighting. Plans completed. Owners will take bids in a few days.

Store and Apartments (alt. and add.), 2751 Germantown avenue, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, R. Kantner, on premises. Brick, 3 stories, 17x70 feet, slag roof, electric lighting, hot air heating, oak floors. Plans in progress.

Residences (66), Torresdale avenue and Church street, Philadelphia, \$150,000. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick, 2 and 3 stories, 14x16 feet and 35x56 feet, slate and slag roof, electric lighting, hot air and hot water heating, oak floors. Plans in progress.

Buildings (3), Frankford, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Colonel George Montgomery, Frankford, Philadelphia. Brick, steel and concrete, 1 story, 51x110 feet and 42x48 feet, slate roof (heating and lighting reserved), maple floors. In addition to those reported, Monaghan & Losse, 214 South Twelfth street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; T. C. Trafford, 1613 Sansom street; Eugene Tourison, 1001 Chestnut street; W. W. Anstine Co., 1214 Filbert street; Burd P. Evans Co., Thirteenth and Wallace street; E. F. Fonder, Land Title Building; A. L. Carhart, Hale Building; H. H. Wehmeyer, 1004 West Lehigh avenue; James Connor, 2848

Frankford avenue; R. C. Ballinger & Co., 218 North Thirteenth street; F. L. Hoover & Sons, 1023 Cherry street; Charles McCaul Co., 1713 Sansom street; P. J. Hurley, 1233 Cherry street; Ketcham & McQuade, 1029 Brown street, Philadelphia, are figuring.

Residences (9), Tabor road and Howard street, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, J. B. Freeman, 1729 South Ninth street, Philadelphia. Brick and terra cotta, 2 stories, 15x56 feet, slag roof, electric lighting, hot water heating, oak floors. Owner taking sub-bids.

Prison (alt. and add.), Holmesburg, Pa. Architect, P. H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia City Prison Board, Tenth and Reed streets, Philadelphia. Brick and concrete, 2 stories, 56x60 feet; ward building, 1 story, 53x400 feet, slate and slag roof (electric light, steam heat and mechanical system and plumbing separate bids), asphalt floors, metal lath, enamel brick, dampproofing. Owners taking bids, due March 31st. The following are figuring: Doyle & Co., 1519 Sansom street; W. W. Anstine Co., 1214 Filbert street; Mitchell Bros., 2125 Race street; McCloskey-Bahls, Hale Building; A. Raymond Raff, 1435 Thompson street; William R. Dougherty, 1610 Sansom street; Thomas Reilly, 1616 Thompson street; P. J. Hurley, 1233 Cherry street; H. E. Baton, Twelfth and Sansom streets, all of Philadelphia.

Prison (alt. and add.), Tenth and Reed streets, Philadelphia. Architect, P. H. Johnson, Land Title Building. Owners, County Prison Board, Tenth and Reed streets, Philadelphia. Brick and concrete, laundry building, 1 story, 24x31 feet; boiler house, 1 story, 40x50 feet, slate and slag roof (electric lighting, steam heating and mechanical system, plumbing, separate bids), asphalt floors, metal lath, enamel brick, dampproofing. Owners taking bids, due March 31st. Same list of contractors figuring as on Holmesburg Prison.

Store Building and Loft Building, 210 South Thirteenth street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owners, J. K. Davison & Sons, 718 Sansom street, Philadelphia. Brick, steel,

BLACK LINE PRINTS

DIRECT FROM TRACINGS. Send for Sample Prints

BELL TELEPHONE, WALNUT 1086
KEYSTONE TELEPHONE, MAIN 497

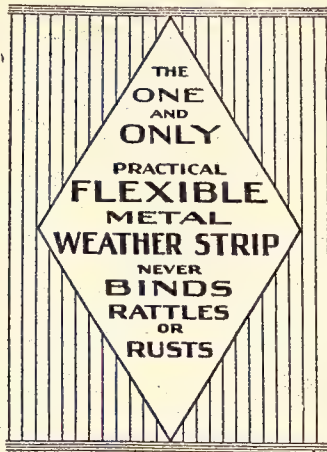
Made on
TRACING CLOTH, TRACING PAPER, WHITE PAPER

CHARLES H. ROBBINS

"The Best" BLUE PRINTS

125 AND 127 SOUTH ELEVENTH STREET
PHILADELPHIA, PA.

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



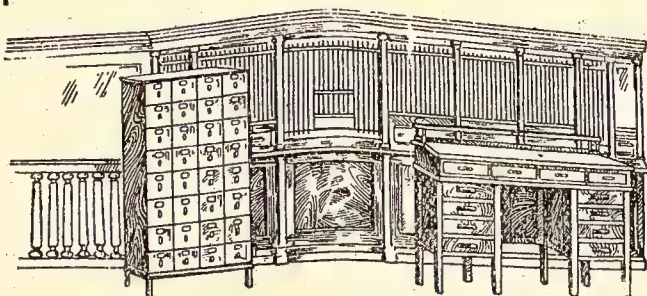
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

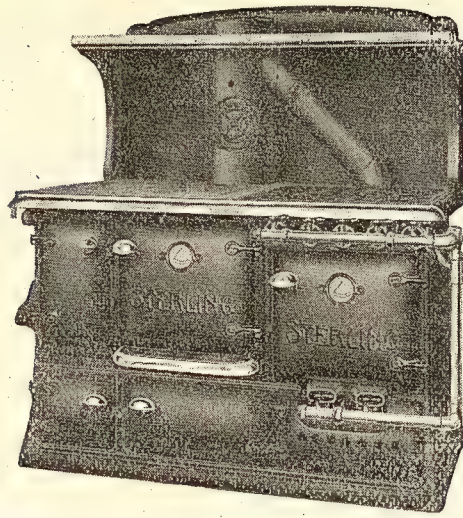
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.
118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

concrete and terra cotta, 6 stories, 25x100 feet, slag roof, dampproofing, metal lath, metal sash (elevators, electric work, steam heating, cabinet work reserved). Architect has received bids.

Residence, Queen Lane, Philadelphia. Architect, S. D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner's name withheld. Brick and plaster, 2½ stories, 30x45 feet, shingle or slate roof, electric light, heat not decided. Plans in progress.

Residence, St. Martins, Philadelphia. Architect, S. D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner's name withheld. Brick and plaster, 2½ stories, 39x92 feet, shingle roof, oak floors, hot water heating (electric light, reserved). Architect taking bids, due March 24th. The following are figuring: William R. Dougherty, 1610 Sansom street; J. E. Walt, 204 East Willow Grove avenue; Pringle Borthwick, 8018 Germantown avenue; F. B. Davis, 240 North Sixteenth street; F. Elvidge & Sons, 5522 Germantown avenue; W. J. Stevens, Wyncote, Pa.

Apartment and Store, Nineteenth and Jackson streets, Philadelphia. Architect, private plans. Owner, F. W. Van Horn, 1603 Morris street, Philadelphia. Brick, 2 stories, 19x90 feet, slag roof, electric light, steam heating, oak floors, metal meilings. Owner has received bids.

Bath House, Theatre and Residences (4), Thirty-first and Wilt streets, Philadelphia. Owners, Joseph Fisher & M. Lessey, 722 Sansom street, Philadelphia. Brick and steel, fireproof, 2 and 3 stories, 92x130 feet, slag roof, hot water heating, electric lighting, oak floors, metal lath, waterproofing, enamel brick, swimming pool, metal frames and sash. New plans in progress.

Residences (20), Second and Cambria sts., Philadelphia. Architects, P. J. Medoff & Sons, 524 Walnut street, Philadelphia. Owner, Louis Cohen, 417 Christian street, Philadelphia. Brick, 2 stories, 14x36 feet, slag roof, gas and electric lighting, steam and hot air heating. Owner taking sub-bids.

Residence (alt. and add.), Chestnut Hill, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George K. Johnson, President Penn Mutual Life Insurance Co., 927 Chestnut street, Philadelphia. Stone, 2½ stories. Plans in progress.

Residence, Oak Lane, Philadelphia. Architect, A. K. Holland, 3922 Franklin street, Philadelphia. Owner, Rev. W. B. Lower, care of architect. Owner, Rev. W. B. Lower, care

of architect. Brick and plaster, 2½ stories, 18x42 feet, slate roof, hot water heating, gas lighting. Plans in progress.

Store and Dwelling (alt. and add.), 923 North Broad street, Philadelphia. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owner, Murray White, Morris Building, Philadelphia. Brick, 3 stories, consists of new front and interior alteration, oak floors, electric lighting. Owner taking bids, due March 24th. Eugene Tourison, 1001 Chestnut street, Philadelphia, is figuring.

Dye House, Adams and Leiper streets, Philadelphia. Architect, private plans. Owner, James Bromely, Adams and Leiper streets, Philadelphia. Brick, 1 story, 54x150 feet, slag roof, electric lighting. Builder, George H. Thirsk, 2739 Jasper street, Philadelphia, will take sub-bids.

Twin Residence, Chestnut Hill, Pa. Architect, W. H. Sieber, 8405 Germantown avenue, Philadelphia. Owner, Mrs. W. R. Sieber, 8405 Germantown avenue, Philadelphia. Brick and plaster, 2½ stories, 30x40 feet, tin roof, electric lighting (heating reserved). Architect taking bids, due March 26th. The following are figuring: W. J. Gruhler, 219 High street; George S. Roth & Sons, 230 East Gravers lane; Stokes Bros., 6723 Musgrave street, all of Philadelphia.

Hospital and Power House, Fifty-third and Cedar avenue, Philadelphia. Owners, Sisters of Mercy, Merion, Pa. Brick, stone, steel, fireproof, 7 stories, 50x159 feet, slag roof, electric lighting, steam heating, power house 1 story. Plans in progress.

Garage, 2025 Walnut street, Philadelphia. Architects, Conner & Slifer, Lansdale, Pa. Owner, Dr. D. J. McCarthy, 2025 Walnut street, Philadelphia. Brick, 1 story, 20x23 feet, slag roof, electric lighting. Architect taking bids, due March 24th. John McKenna & Sons, 1032 Race street, Philadelphia, are figuring.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

UNITAS TILING

A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage (add.), 427 Queen lane, Germantown \$1,600. Architect, William B. Koelle, 435 Brighthurst street, Germantown. Owner, R. L. Collopy, 429 Queen lane, Germantown. Brick, 1 story, 25x96 feet, slag roof. Contract awarded to Stocker & Hastings, 1320 North Carlisle street, Philadelphia.

Office, Store Room, Stable and Tank Supports, Snyder avenue and Vandalia street, Philadelphia, \$15,000. Architect, private plans. Owners, Gulf Refining Co., Morris Building, Philadelphia. Brick, steel and concrete, 1 and 2 stories, slag roof, electric lighting. Contract awarded to S. W. Hahn, Glenside, Pa., who is taking sub-bids.

Store and Hall Building, 139 South Fifty-second street, Philadelphia, \$3,200. Architect, J. C. Fernald, 5533 Wyalusing avenue, Philadelphia. Owners, Arzooonian Bros., 104 South Sixtieth street, Philadelphia. Brick, 2 stories, 30x51 feet, slag roof, electric lighting, steam heating. Contract awarded to Faraday Const. Co., Morton, Pa.

Apartments (alt. and add.), 3230 to 36 Diamond street, Philadelphia, \$6,200. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Freihofer Building and Loan Association, Twenty-fourth and Master streets, Philadelphia. Brick, 4 stories, electric lighting and interior alteration. Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets.

Stores (8), Allegheny avenue and Kensington avenue, Philadelphia, \$11,000. Architect, private plans. Owner, May Sarfert, 4902 North Thirteenth street, Philadelphia. Brick, 1 story, 15x45 feet, slag roof, electric lighting. Contract awarded to Harry Brocklehurst, 512 West Norris street, Philadelphia.

Residence, Woodbine and Gross streets, Overbrook, Philadelphia, \$8,000. Architect, private plans. Owners, Wendell & Smith, Overbrook, Pa. Stone, 2½ stories, 22x56 feet, slate roof, electric lighting, steam heating, oak floors. Contract awarded to Milton W. Young, Overbrook, Philadelphia.

PENNSYLVANIA

Construction News

Church and Parish House, Wilkes-Barre, Pa., \$100,000. Architects, Fulton & Butler, Uniontown, Pa. Owners, St. John's Lutheran Church, Wilkes-Barre, Pa. Steel, brick and stone, 1 and 4 stories, 162x78 feet, slate and tile roof, steam heating, electric lighting, tile and marble work, metal lath. Plans completed. Ready for bids.

School, Plains, Pa., \$65,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Board of Education, Plains, Pa. Brick, stone trimmings, 2 stories, 117x73 feet, asbestos roof, mechanical hot air heating, electric lighting, metal lath, metal ceilings, composition floors, slate blackboards. Plans in progress.

Picture Theatre, Shickshinny, Pa. Architects, Brice Hayden Long Co., Miners' Bank Building, Wilkes-Barre, Pa. Owner, Bowman Cortright, Shickshinny, Pa. Brick, 1 story, 28x80 feet, slag roof, steam heating, electric lighting, tile floors, metal lath, ornamental plastering. Plans about completed. Architects will take bids in one week.

Church, Wilkes-Barre, Pa. Architects, Brice Hayden Long Co., Miners' Bank Building, Wilkes-Barre, Pa. Owners, First Welsh Congregational Church, Wilkes-Barre, Pa. Frame, 1 story, 60x70 feet, slate roof, steam heating, electric lighting. Plans about completed. Architects will take bids in one week.

Store and Apartments, Wilkes-Barre, Pa., \$10,000. Architects, Knapp & Bosworth, 15

South Franklin street, Wilkes-Barre. Owner, B. Rifkin, 238 East Market street, Wilkes-Barre, Pa. Brick, 3 stories, 21x38 feet, slag roof, steam heating, gas and electric lighting, tile work, dampproofing, metal lath, metal ceilings. Architects ready for bids.

Theatre, Apartments and Stores, Wilkes-Barre, Pa. Architect, private plans. Owner, P. J. Boyle, Wilkes-Barre, Pa. Brick, 2½ stories, 50x99 feet, slag roof, steam heating, electric lighting. Owner will take bids in a few days.

Almshouse, Greenfield, Pa., \$16,000. Architect, Raymond Tiffany, Carbondale, Pa. Owners, Lackawanna County Poor Board, Carbondale, Pa. Brick, 2 stories, 38x60 feet, slate roof, steam heating, electric lighting. Plans about completed. Owners will advertise for bids in one week.

Residence, Dallas, Pa., \$4,000. Architect, Thomas H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre, Pa. Owner, Miss Edith Reynolds, care of architect. Frame and stucco, 2 stories, 25x35 feet, shingle or slate roof, hot air heating, electric lighting, metal lath, dampproofing. Plans in progress.

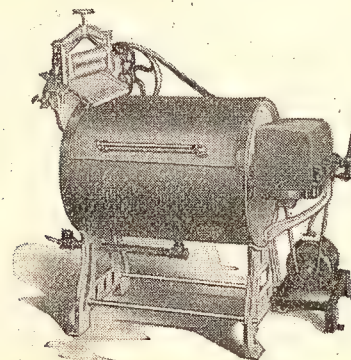
Store and Lodge Building, Wilkes-Barre, Pa., \$15,000. Architect, Henry Maier, Wilkes-Barre, Pa. Owner, S. Hirsh, Wilkes-Barre, Pa. Brick, hollow tile and steel, stone trimmings, 3 stories, 31x145 feet, slag roof, steam heating, gas and electric lighting, rubber tile, fire escapes. Architect has received bids.

School, Carbondale Heights, Pa., \$150,000.

THE FAIRBANKS CO.
PHILADELPHIA

VALVES
AND
SCALES

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

AQUABAR Co's. No. 3

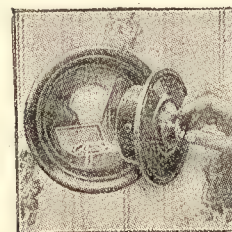
A Dampproofing Compound
and Plaster-Bond
Possessing Merit

THE AQUABAR CO.
Real Estate Trust Bldg.
Philadelphia, Pa.

MEILINK WALL SAFES

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.



R. O. SCHEEL, PRESIDENT

FLOORS

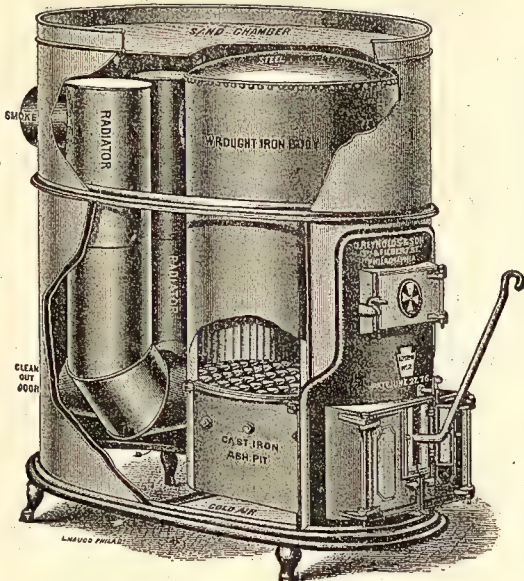
PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company

SPEED AND SATISFACTION

1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ransted Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owners, Board of Education, Carbondale, Pa. Brick, fireproof, 3 stories, slate roof, mechanical warm air heating system, electric lighting, slate blackboards, waterproofing and dampproofing. Plans about completed. Owners will take bids about April 15th.

Insane Hospital, Blakely, Pa., \$75,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owner, Blakely Poor District, Olyphant, Pa. Brick, 2 stories, tile roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

Dairy, Scranton, Pa., \$25,000. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owners, Woodlawn Farm Dairy, 315 North main avenue, Scranton, Pa. Brick and stucco, 2 stories, 50x125 feet, slag roof, steam heating, electric lighting, composition floors, refrigerating plant. Plans in progress.

Nurses' Home, Nanticoke, Pa., \$20,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Brick, 2 stories, 35x65 feet, tile roof, steam heating, electric lighting, metal lath, tile work. Plans in progress.

Almshouse, Scott Township, Pa., \$35,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, Poor Board of Blakely Borough, Olyphant, Pa. Brick, 2½ stories, 48x96 feet, slate roof (steam heating and electric lighting separate bids), metal lath, dampproofing, iron stairs, composition floors. Owners taking bids, due April 5th.

Store and Apartments, Olyphant, Pa., \$12,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owner, Michael Bosak, Olyphant, Pa. Brick, 2 stories, 25x93 feet, slag roof, electric lighting. Plans in progress.

Residence (alt. and add.), Harrisburg, Pa. Architect, Albert Kelsey, Perry Building, Philadelphia. Owner, Mrs. H. B. Dull, 211 Front street, Harrisburg, Pa. Bay windows, sleeping porch and interior alteration and addition. Plans in progress.

Hospital (add.), Byberry and Davisville road, Hatboro, Pa. Architect, T. Frank Miller, 1012 Walnut street, Philadelphia. Stone, 3 stories, 50x100 feet, slate roof, electric lighting, steam heating. Plans in progress.

Church (alts.), Scranton, Pa., \$15,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owners, First Welsh Baptist Church, Scranton, Pa. Electric lighting, hardwood floors, tile work, decorating. Plans in progress.

Picture Theatre, Scranton, Pa., \$8,000. Architect, John J. Feeney, Coal Exchange Building, Scranton, Pa. Owner's name withheld. Frame and stucco, 1½ stories, 36x120

feet, slag roof, steam heating, electric lighting, metal lath. Plans in progress.

Hotel (alts.), Wilkes-Barre, Pa. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, Aberdeen Hotel, 112 South Main street, Wilkes-Barre, Pa. Consists of general interior alterations. Plans in progress.

School, Banks Township, Carbon Co., Pa., \$10,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Board of Education, James Martin, chairman, Audenreid, Pa. Frame, 1½ stories, 68x72 feet, shingle roof, steam heating, electric lighting, slate blackboards. Plans about completed. Owners will take bids in one week.

Store and Apartments, Ardmore, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Brick, 1 or 2 stories, 60x90 feet, slag roof, steam heating, electric lighting. Architect taking revised bids, due March 24th. Charles C. Pace, Merion, Pa.; F. H. Mahan, Ardmore, Pa., and A. L. Fretz & Sons, 1222 Chancellor street, Philadelphia, are figuring.

Hall Building, Hatboro, Pa. Architect, T. Frank Miller, 1012 Walnut street, Philadelphia. Owner, W. W. Wilgus, Hatboro, Pa. Stone, 3 stories, 50x65 feet, asbestos roof, electric lighting, steam heating. Plans in progress.

Store and Apartments, Glenside, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, W. T. B. Roberts, Glenside, Pa. Brick, 2 stories, 80x100 feet, slag roof, electric lighting, steam heating. Owner taking sub-bids.

Residence, Swarthmore, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Dr. William A. Jaquette, Flanders Building, Philadelphia. Hollow tile and plaster, 2½ stories, 22x43 feet, wing 24x16 feet, shingle roof, electric light, warm air heat, oak floors. Architects have received bids.

Library, Warren, Pa. Architects, Warren & Wetmore, 16 East Forty-seventh street, New York City. Owners, Warren Library Association, Warren, Pa. Stone and brick, fireproof, 1 story and basement, 76x123 feet, slag and tile roof, electric lighting, iron stairs, metal treads, metal lath, enamel brick, waterproofing, dampproofing, metal frames and sash, metal trimmings, dreadnaught, tile and composition floors. Architect has received bids.

Y. M. C. A. Building, Abington, Pa., \$50,000. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owners, Y. M. C. A., Abington, Pa. Brick and terra cotta, 2 stories, 40x64 feet and 20x60 feet, slag and copper roof, steam heating, electric lighting, swim-

LIGHTING FIXTURES

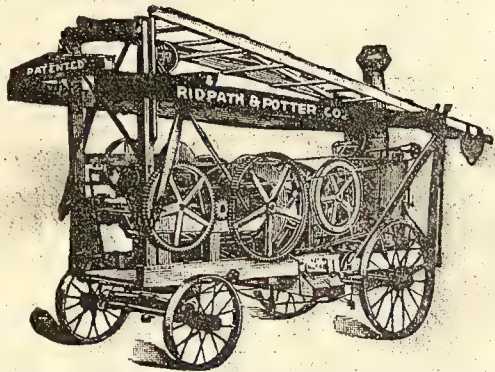
In our show rooms you will find a complete line of **LIGHTING FIXTURES**

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

ming pool, enamel bricks. Plans completed. Architect will take bids in a few days.

School, Johnsonburg, Pa., \$60,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of J. P. Brophy, President, Johnsonburg, Pa. Brick and stone, fireproof, 2 stories and basement, 80x116 feet, slag roof (electric light, steam heat, plumbing and ventilating system reserved), metal lath, safety treads, composition floors. Owner taking bids, due April 5th. Deposit of \$25.00. Plans may be obtained from architect.

Residence, Haverford, Pa. Architects, E. F. Bertollett & Raymond Matthews, 1614 Filbert street. Owner, S. J. Gummere, Haverford, Pa. Hollow tile and stucco, 2½ stories, 25x38 feet, shingle roof, warm air heating, electric lighting, dampproofing. Architects taking bids, due March 29th. Graham-Campion Co., Heed Building, Philadelphia, is figuring.

Residence and Garage, Merion, Pa., \$30,000. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, William S. Baker, Merion, Pa. Brick and stucco, 2½ stories, 100x30 feet, garage 40x30 feet, tile roof, electric lighting (vapor heating, oak floors and interior finish reserved). Architects taking bids, due March 30th. In addition to those previously reported, Jacob Myers & Sons, Witherspoon Building; A. L. Fretz & Sons, 1222 Chancellor street; E. J. Hedden, Penn Square Building; J. Sims Wilson, 1125 Brown street, all of Philadelphia, are figuring.

Restaurant and Apartments, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, George Shober, 305 Market street, Chester, Pa. Brick, 3 stories, 25x100 feet, slag roof, steam heating, gas and electric lighting, tile work. Plans in progress.

Bungalow, Melrose, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, T. H. Brown. Second and Westmoreland streets, Philadelphia. Hollow tile and plaster, 1½ stories, slate roof, tile work, electric lighting, oak floors (vapor heating reserved). Architects taking bids, due March 25th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Specht & Sperry, Heed Building; Sinclair & Driscoll, 1524 Chestnut street; John Davies, Heed Building, all of Philadelphia; J. Renton White, Melrose, Pa.; W. John Stevens, Wyncote, Pa.; W. S. Lukens, North Wales, Pa.

Residence (alt. and add.), Bryn Mawr, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, A. E. McVitty, Bryn Mawr, Pa. Consists of new sleeping porch and general alterations, canvas roof, electric lighting, tile work (heating reserved). Architect taking bids, due March 24th. The following are figuring: Thomas M. Seeds, 1207 Race street, Philadelphia; Milton W. Young, Overbrook, Philadelphia; Gray Bros., Rosemont, Pa., and George L. Croll, Rosemont, Pa.

Residence and Garage, Ogontz Hill, Pa. Architects, Koelle Speth Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, Henry W. Breyer, Ninth and Cumberland sts., Philadelphia. Stone and plaster, 2½ stories,

35x95 feet, tile roof, hot water heating, electric lighting; garage, stone, 1½ stories, 25x40 feet. Revised plans in progress.

Residence, Harwood Park, Pa. Architect, J. P. Kluges, 1012 Walnut street, Philadelphia. Owner, J. F. McCarthy, care of architect. Hollow tile and stucco, 2½ stories, 25x36 feet, slate roof, steam heating, electric lighting. Architect taking bids, due March 29th. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; Specht & Sperry, Heed Building; Harry Davis, 5100 Westminister avenue; M. Roy Sheen, 450 North Wilton street, all of Philadelphia; S. G. Humphreys, East Lansdowne, Pa., and Thomas E. Collins, Highland Park, Pa.

Parish House and Rectory, Lancaster, Pa. Architect, William C. Prichett, 418 Walnut street, Philadelphia. Owners, St. John's Episcopal Church, care of W. C. Marshall, 523 West Chestnut street, Lancaster, Pa. Brick, 3 stories, 40x60 feet, slate roof, electric lighting (heating and plumbing separate bids). Architect taking bids, due March 25th. The following are figuring: Herman Wehlsen, J. P. Breneman, H. L. Wiant, Samuel H. Bally, S. B. Jeffries, all of Lancaster, Pa.

Residence (alt. and add.), Glen Riddle, Pa. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Walter M. Jeffords, 2300 Delancey street, Philadelphia. Stone, 2½ stories, consists of 2 large wings and remodeling of present building, shingle roof, hot water heating, electric lighting, oak floors. Plans in progress.

Bank, Pottsville, Pa. Architects, Mowbray & Uffinger, 56 Liberty street, New York City. Owners, Pennsylvania National Bank, Pottsville, Pa. Stone, fireproof, 1 story, 39x81 feet, slag roof, electric lighting, steam heating, waterproofing, iron stairs, metal lath, metal frames and sash. Architects have received bids.

Twin Residence, Glenside, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, H. F. Glazier, care of Philadelphia and Reading Railroad Co. Brick, 2½ stories, 32x50 feet, shingle roof, electric lighting, hot water heating. Architects have received bids.

Church, Lansdowne, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owners, First Presbyterian Church, Lansdowne, Pa. Stone, 1 story, 77x100 feet, slate roof, electric lighting, vacuum heating. Plans about completed. Architects ready for bids.

Residence and Garage, Merion, Pa. Architects, Frank Seeburger & Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, J. Wallace Hallowell, Jr., 113 South Broad street, Philadelphia. Stone, 2½ stories, 28x70 feet, shingle roof, hot water heating, tile work, oak floors, electric lighting. Architects taking bids, due March 30th. The following are figuring: Milton W. Young, Overbrook, Philadelphia; E. J. Hedden, Finance Building, John E. Kearney, 327 North Sixty-third st.; A. L. Fretz & Sons, 1222 Chancellor street, all of Philadelphia; Alfred James, Bala, Pa., and Mowrer Bros., Merion, Pa.

Cottage, Laurelton, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, Home for Feeble Minded Wo-



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.
BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



Does Your Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

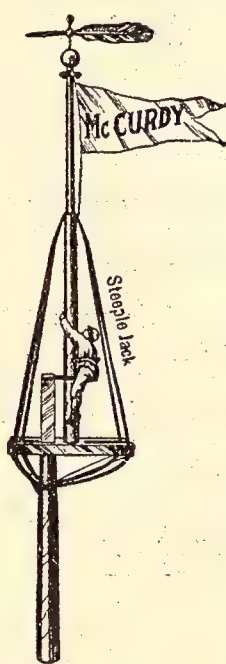
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

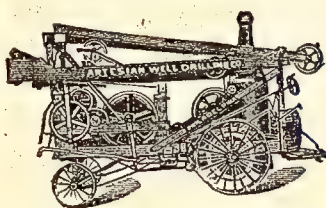
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

men, care of State of Pennsylvania. Stone, 2½ stories, 40x70 feet, slate roof, steam heating, electric lighting, composition floors, safety treads, metal lath. Owners taking bids, due April 9th, 2 P. M. Plans may be obtained from architect upon deposit of \$5,000. (Heating, lighting and plumbing separate bids.) Approximate cost, \$25,000.

Pennsylvania Contracts Awarded

Bridge, No. 26, south of Guernsey, Pa. Architect, William Hunter, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railroad Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 20x46 feet, waterproofing. Contract awarded to James McGraw Co., Commercial Trust Building, Philadelphia.

Lodge and Entrance, Marple Township, Delaware County, Pa. Architect, Lindley Johnson, Harrison Building, Philadelphia. Owner, Cemetery of SS. Peter and Paul. Stone, 1 story, 30x47 feet, tile roof (lighting reserved), iron fence. Contract awarded to John McShain, 631 North Seventeenth street, Philadelphia.

Residence, Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Joseph Bushnell, 3rd, 3019 Midvale avenue, Philadelphia. Stone, frame and plaster, 2½ stories, 37x23 feet, shingle roof, oak floors, hot water heating, electric lighting. Contract awarded to Graham-Campion Co., Heed Building, Philadelphia, who are taking sub-bids.

Church, Bloomsburg, Pa., \$28,000. Architects, Brice Hayden Long Co., Miners' Bank Building, Wilkes-Barre, Pa. Owners, Church of Christ, Rev. C. V. Huffer, Bloomsburg, Pa. Brick and terra cotta, 2 stories, 60x100 feet, asbestos shingle roof, steam heating, electric lighting, composition floors, metal lath, waterproofing, tile pool. Contract awarded to Mosier & Whitenight, Bloomsburg, Pa.

Residence, Hazleton, Pa., \$5,000. Architects, Brice Hayden Long Co., Miners' Bank Building, Wilkes-Barre, Pa. Owner's name withheld. Frame, 2½ stories, 30x48 feet, slate roof, hot air heating, gas and electric lighting, hardwood floors, tile work. Contract awarded to Stumpf & Youngcourt, Hazleton, Pa.

Automobile Show Rooms, Penn avenue and Whitfield street, Pittsburgh. Architect, Chas. E. Oelschlager, Harrison Building, Philadel-

phia. Owner, Henry A. Laughlin, West Chestnut avenue, Chestnut Hill. Brick, terra cotta and steel, fireproof, 2 stories, 100x131 feet, slag roof, steam heating, four elevators. Contract awarded to Toupot, Beale & Connelly, Pittsburgh, Pa.

Factory, Chester, Pa., \$15,000. Architect, private plans. Owner, A. T. Green, Chester, Pa. Brick, 1 story, 60x140 feet, slag roof. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Residence, Radnor, Pa., \$75,000. Architect, Charles A. Platt, 11 East Twenty-fourth street, New York City. Owner, A. J. Drexel Paul, Rosemont, Pa. Stone, 2½ stories, 57x110 feet, with 2 wings, 27x49 feet, shingle, slate and slag roof, metal lath, weather strips, parquet floors, waterproofing (heating and lighting reserved). Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Twin Residence, Wilkes-Barre, Pa., \$15,000. Architect, George F. Schroeder, Weitsenkorn Building, Wilkes-Barre, Pa. Owners, O'Neill & Miles, Wilkes-Barre, Pa. Brick, 2½ stories, 42x60 feet, slate and slag roof, vapor heating, gas and electric lighting. Contract awarded to James Monks, Kingston, Pa.

Gardener's Cottage, Villa Nova, Pa. Architects, Baily & Bassett, 424 Chestnut street, Philadelphia. Owner, Dr. W. P. Klapp, Villa Nova, Pa. Hollow tile and plaster, 2 stories, 24x32 feet, slate roof (heating, electric work and plumbing reserved). Contract awarded to Gray Bros., Rosemont, Pa.

New Jersey Construction News

Residence (alt.), and Garage, Cape May, N. J. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, George W. Boyd, Broad Street Station, Philadelphia. Garage, 1 story, plaster, 20x25 feet, shingle roof, electric lighting, gasoline storage. Architect has received bids.

Residence, Cape May, N. J. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, George W. Boyd, Broad Street Station, Philadelphia. Frame, 2½ stories, 24x59 feet, shingle roof, electric lighting, canvas floors, metal lath. Architect has received bids.

Apartment (add.), Ocean City, N. J. Architect, private plans. Owner, S. S. Wenzell, 5000 Parkside avenue, Philadelphia. Frame, 2 stories, 32x90 feet, shingle roof, metal lath (heating reserved), electric lighting. Owner has received bids.

Bank Building (alt. and add.), Camden, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Broadway Trust Co., Camden, N. J. Brick and stone, 2 stories, 20x45 feet, slag roof, steam heating, electric lighting (tile work and fixtures reserved). Plans completed. Owners will take bids.

School, Millville, N. J., \$75,000. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Board of Education, D. C. Lewis, President, Millville, N. J. Brick and stone trimmings, fireproof, 2 stories and basement, 111x161 feet, slag roof, maple floors, electric lighting, metal lath, safety treads, dampproofing (heat and ventilating systems

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building

Philadelphia, Pa.

separate bids). Owners taking bids, due March 31st. F. B. Davis, 240 North Sixteenth street; H. L. Brown, 1714 Sansom street; J. H. Wells, Heed Building; George L. Sipps, 912 Locust street; Berry Goodwin Co., Drexel Building; George W. Shaner, Palmyra, N. J.; W. A. Richman, Moorestown, N. J., are figuring.

Bungalow, Pine Valley, N. J. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner's name withheld. Frame, 2½ stories, 42x56 feet, shingle roof, electric lighting. Architects taking bids, due March 27th. The following are figuring: Milton W. Young, Overbrook, Pa.; W. John Stevens, Wyncote, Pa.; F. B. Davis, 240 North Sixteenth street; J. J. Dobbins, Chestnut Hill, Pa.; H. H. Rice, Collingswood, N. J.

High School, New Brunswick, N. J. Architect, Alexander Merchant, New Brunswick, N. J. Owners, Board of Education, New Brunswick, N. J. Brick and terra cotta, fireproof, 2 stories and basement, 135x186 feet, slag roof, metal lath, dampproofing and waterproofing, safety treads, iron stairs (heating and lighting separate bids). Owners taking bids, due April 5th. Wilbert Beaumont, Stephen Girard Building, Philadelphia, is figuring.

Residences (2), Trenton, N. J., \$3,000. Architect, private plans. Owners, W. J. & J. H. Morris, Broad Street Bank Building, Trenton. Brick, 2½ stories, 14x28 feet, slate and slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Residences (6), Trenton, N. J., \$9,000. Architect, private plans. Owner, Genaro Tuecillo, Trenton, N. J. Brick, 2½ stories, 13x28 feet each, slate and tin roofs, hot air heating, gas lighting. Owner taking sub-bids.

Residences (2), Trenton, N. J., \$3,700. Architect, private plans. Owner, William Musson, 637 Monmouth avenue, Trenton, N. J. Brick, 2½ stories, 16x32 feet each, slate and tin roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Store Building (alts.), Trenton, N. J., \$2,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owners, E. F. Hooper & Co., 8 South Warren street, Trenton, N. J. Consists of new front and interior alterations, vault lights, steel cellar doors, tile work. Architects taking bids, due March 27th. The following are figuring: Edward LaRue, I Harper Clayton, Burton & Burton, S. W. Mather & Son, all of Trenton, N. J.

Hall and Stores (3), Beverly, N. J., \$20,000. Architect, H. A. Brown, Burlington, N. J. Owner, Masonic Hall Association, L. P. Wire, Secretary, Beverly, N. J. Brick, 3 stories, 70x70 feet, slag roof, steam heating, electric lighting, metal ceilings. Architect taking bids, due April 1st. The following are figuring: J. E. Kolster, E. D. Logan and George W. Shauer, of Palmyra, N. J.; Hugh Miller, Edgewater Park, N. J.; J. S. Rogers Co., Moorestown, N. J.; W. A. Richman, Moorestown, N. J.

Cottage, Clinton, N. J., \$30,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Reformatory for Women, Clinton, N. J. Hollow tile and plaster, 2½ stories, 28x80 feet and 28x50 feet, slate roof, steam heating, electric lighting, composition floors. Plans in progress.

Service Building and Cottages (2), Skillman, N. J., \$75,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Epileptic Village, Dr. David S. Weeks, Skillman, N. J. Brick and terra cotta, 1½ stories, service building 115x44 feet, cottages 116x31 feet each, slag roofs, steam heating, new central plant, electric lighting, composition floors, iron stairs, waterproofing and dampproofing, metal frames and sash. Plans about completed. Owners will soon advertise for bids.

Assembly Building, Skillman, N. J., \$35,000.

Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Epileptic Village, Dr. David S. Weeks, Skillman, N. J. Brick and concrete, 1 story, 61x126 feet, slag roof, steam heating, electric lighting, wood and concrete floors. Plans completed. Owners will soon advertise for bids.

Nurses' Cottage, Skillman, N. J., \$20,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Epileptic Village, Dr. David S. Weeks, Skillman, N. J. Brick and frame, 2 stories, 30x80 feet, slate roof, steam heating, electric lighting. Plans completed. Owners will soon advertise for bids.

Residence, Oriental and Seaside avenue, Atlantic City, N. J. Architect, C. E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick and hollow tile, 3 stories, 39x52 feet, slate roof, electric lighting (heating reserved), oak floors. Architect taking bids, due March 27th. The following are figuring: Edw. Fay & Sons, No. 2 South Mole street; I. T. Shoemaker, 1309 Walnut street; E. J. Kreitzburg, 1345 Arch street; A. Whitehead, Inc., 1624 Latimer street, Philadelphia; S. Headley, 324 North Massachusetts avenue; A. B. Brown, 1003 South Boston avenue; T. C. Endicott, Union Bank Building; H. Schabinger, 314 Oriental avenue, all of Atlantic City, N. J.

School, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Woodbury, N. J. Brick, 2 stories and basement, concrete fireproofing, metal lath, slag roof, safety treads (heat and light separate bids). Owners taking bids, due March 30th. The following are figuring: H. L. Brown, 1714 Sansom street; Eugene Tourison, 1001 Chestnut street; F. Roe Searing, Perry Building; Peterson Const. Co., Clayton, N. J.; W. R. Titus, Paulsboro, N. J.; J. W. Draper, Camden, N. J.; J. B. Best, Woodbury, N. J.; R. T. Atken, Moorestown, N. J.

Club House, Vineland, N. J., \$25,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Junior Order U. A. M., Vineland, N. J. Brick, stone trimmings, 3 stories, steam heating, electric lighting, tile work. Architect taking bids, due April 8th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; H. E. Batton, Twelfth and Sansom streets; H. L. Brown, 1714 Sansom street; Metzger & Fisher, Denckla Building; H. E. Grau Co., 1707 Sansom street; F. E. Wallace, 1210 Sansom street; Wilbert Beaumont, Stephen Girard Building; George Hogg, 1634 Sansom street; L. F. McNeill, 1713 Sansom street, all of Philadelphia; Hiram Godfrey, Cape May Court House, N. J., and C. M. Schaible, W. L. Foulke, J. S. Pasquale, of Vineland, N. J.

Junior High School, Trenton, N. J., \$260,000. Architect, W. A. Poland, 9 South Stockton street, Trenton, N. J. Owners, Board of Education, Trenton, N. J. Brick, stone and steel, fireproof, 2 and 3 stories, slate and composition roofs, electric lighting, heating and ventilating system, slate blackboards, metal lath, iron stairs. Plans about completed. Owners will advertise for bids about April 1st.

New Jersey

Contracts Awarded

Residences (8), Trenton, N. J., \$16,000. Architect, private plans. Owner, William M. Nutt, 578 Rutherford street, Trenton, N. J. Brick, 2½ stories, 15x28 feet each, slate and tin roofs, hot air heating, gas lighting. Contract awarded to John Proctor & Son, Trenton, N. J.

Office Building, Trenton, N. J., \$1,500. Architect, private plans. Owner, S. Roy Heath,

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street

PHILADELPHIA - PA.

Have Your Gas Range @ the Other Gas Appliances Inspected & Repaired

NOW!

We make no charge for inspection.

If new parts are needed you will be quoted a price covering merely the retail price of the materials.

It is better to do this now than wait until house-cleaning time.

Call, Write or Telephone

THE UNITED GAS IMPROVEMENT CO.

HARRY C. EISENBISE CO. Consulting Engineers

1302 Pennsylvania Bldg., Phila.

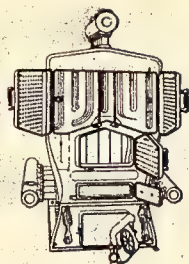
PHONE SPRUCE, 62-91

Trenton, N. J. Brick, 1 story, 32x40 feet, slag roof, electric lighting. Contract awarded to S. W. Mather & Son, Broad Street Bank Building, Trenton, N. J.

Store and Apartments, Trenton, N. J., \$5,000. Architect, private plans. Owners, Morris Bros. Realty Co., Trenton, N. J. Brick, 3 stories, 22x54 feet, slag roof, steam heating, electric lighting. Contract awarded to W. J. & J. H. Morris, Broad Street Bank Building, Trenton, N. J.

Don't knock. Boost! Don't grouch. Smile! Don't mope. Advertise!

MILLS



"Guarantee"

We stand back of our
Boiler.

They will do everything
we claim for them.

Send for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

WHERE'S THE WOODEN WALK?

The wooden sidewalk has gone the way of the wooden Indian. A quarter century ago the plank promenades stretched for miles along which citizens could go stumbling in the dark amid the hazards of knot holes and loose boards—but now there isn't a single mile of 'em. Nowadays small boys cannot lose pennies between cracks or play mumble-peg on them.

In all its splinter-sprouting glory, the wooden sidewalk buoyed many a traveler on his way in the old days. The wooden sidewalk reached its greatest length in 1894. Since then fewer wooden walks were laid, gradually being replaced by cement, and today the wooden plank walk is gone.

Where cement walks are being laid, a surprising number of things may be done to them. In Hamilton, Ontario, the names of the streets are marked in such walks at the corners, and these are much more sightly than the ordinary signs on poles or on the corners of houses. In some places, the owner's name and number is cut in the cement block at the curbstone, and one nature student, who was having a cement walk made, amused himself by putting one of the native leaves in the corner of each block while it was still soft,—an oak leaf in one, a maple leaf in the next, a chestnut leaf in the third, and so on. These made perfect impressions in the plastic stuff, and this is the only really interesting sidewalk on record.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.
—Exchange.

Miscellaneous Construction News

Residences (7), Wilmington, Del., \$7,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Ernest Petterson, 201 South Harrison street, Wilmington, Del. Brick, 2 stories, 13x43 feet, slag roof, hot air heating, gas lighting. Owner taking sub-bids.

Residences (2), Wilmington, Del., \$6,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, W. Duchatkevich, 1123 East Thirteenth street, Wilmington, Del. Brick, 2 stories, 16x53 feet, slag roof, steam heating, gas and electric lighting. Owner taking sub-bids.

Court House, Cincinnati, Ohio, \$2,500,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owners, City of Cin-

cinnati, Court House Commission. Brick, steel, stone and concrete, 5 stories, 260x292 feet, slag and tile roof, tile floors, metal lath, waterproofing and dampproofing, safety treads, metal casements, metal frames and sash (heating and lighting reserved). Contract awarded to Charles McCaul Co., 1713 Sansom street, Philadelphia.

Meeting House, Tenth and Harrison streets, Wilmington, Del. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Friends' Meeting Association, Wilmington, Del. Stucco, 010 osotoooroy, 30x60 feet, slate roof, hot water and hot air heating, electric lighting. Contract awarded to A. S. Reed & Bros. Co., 815 Shipley street, Wilmington, Del.

MARYLAND

Construction News

School, Chestertown, Md., \$15,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care of J. L. Smith, President, Chestertown, Md. Brick, 2 stories, 50x92 feet, slag roof, hot air heating, electric lighting, slate blackboards, dampproofing. Owners taking bids, due April 1st. W. S. & A. M. Kulp, Chestertown, Md., are figuring.

School, Rock Hall, Md., \$11,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care of J. L. Smith, President, Chestertown, Md. Brick, 2 stories, 46x90 feet, slate roof, hot air heating, electric lighting, slate blackboards. Plans completed. Owners ready for bids.

School, Kennedyville, Md., \$5,700. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, School Commissioners of Kent County. Frame, 2 stories, 33x60 feet, slate roof, hot air heating, metal lath, slate blackboards. Plans completed. Ready for bids.

School, Betterton, Md., \$6,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, School Commissioners of Kent County. Brick and frame, 2 stories, 43x84 feet, slate roof, hot air heating, metal lath, slate blackboards. Plans in progress. Ready for bids.

Residences (18), Thirty-sixth street, Baltimore, Md. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, Abe Silverstein, Baltimore, Md. Brick, 2 stories, tin roofs, hot water heating, electric lighting. Plans completed.

Residence, Belair Road. Architect, private plans. Owner, Charles A. Kelso, 30 North Patterson Park avenue, Baltimore. Cement blocks, 2½ stories, 28x35 feet, slate roof, hot water heating. Builder, John A. Nelson, Jr., Belair Road, Raspeburg, Md., is taking sub-bids.

Church, University Parkway, Baltimore, Md., \$50,000. Architect, Theodore W. Pietsch, American Building, Baltimore. Owners, South M. E. Church, Baltimore, Md. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in one month.

Store Building, 521 West Lombard street, \$15,000. Architect not yet selected. Owners, John F. Hancock & Son, 4 South Howard street, Baltimore. Brick, 3 or 4 stories. Owners will soon select architect.

Residence, Carlisle and Hilton avenues, Baltimore, Md., \$6,000. Architect, W. O.

Sparklin, Law Building, Baltimore. Owner, E. W. Young, 1401 Tenth street, Walbrook, Baltimore, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Rectory, Hamilton, Md., \$10,000. Architect, John E. Stack, 11 East Lexington street, Baltimore, Md. Owners, St. Dominick's R. C. Church, Hamilton, Md. Stone, 3 stories, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in two weeks.

Alts. for Picture Theatre, 617 and 619 West North avenue, Baltimore. Architects, W. O. Sparklin and George S. Childs, Law Building. Owner, Arthur B. Price. Consists of remodeling building for picture theatre, steam heating, electric lighting. Plans in progress. Architects will take bids in one week.

Residence, Guilford, Md., \$8,000. Architect, E. L. Palmer, Roland Park, Md. Owner, Albert M. Story, care of architect. Brick, stone trimmings, 2½ stories, slate roof, hot water heating, electric lighting, tile work. Plans in progress.

Residences (9), Baltimore, Md., \$16,000. Architect, private plans. Owner, F. E. Tobe, 2405 West North avenue, Baltimore. Brick, 2 stories, 14x47 feet each, tin roofs, hot water heating, electric lighting. Owner is sub-letting all contracts.

Residence, Guilford, Md., \$35,000. Architects, Ellicott & Emmart. Union Trust Building, Baltimore. Owner, John F. Greiner, care of architects. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architects taking bids, due March 29th. The following are figuring: Edward Piert, 15 East Fayette street; Roland Park Co., Roland Park; Cowan Building Co., 106 West Madison street; G. W. Tovell, Eutaw and McCulloh street; W. E. Harn Co., 213 North Calvert street; Gladfelter & Chambers, 2072 Woodberry avenue, all of Baltimore, Md.

Warehouse (alts. and add.), Courtland st., near Saratoga st., Baltimore, Md. Architect, private plans. Owners, City of Baltimore, City Hall, Baltimore. Consists of general alterations and additions to municipal warehouse. Owners received bids March 24th.

Residences (12), Baltimore, Md. Architect, private plans. Owners, Downing & Murphy, Rose Hill Terrace, Baltimore. Brick, 2 stories, slate roof, hot water heating, electric lighting. Owners are sub-letting all contracts.

Theatre, North and Charles street, Baltimore, Md., \$100,000. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owners,

Northern Amusement Co., Harry Webb, President, Title Building, Baltimore, Md. Brick, steel, concrete and terra cotta, fireproof, 1 story, slag roof, hot water heating, electric lighting, tile and marble work, metal lath, concrete fireproofing. Architect has received bids.

Residence, Green Spring Valley, Md. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owner, Mrs. William B. Manly, Baltimore, Md. Brick, 2½ stories, 72x45 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architect taking bids. Cowan Building Co., 106 West Madison street, Baltimore, Md., is figuring.

Garage (alts.), 1603 Bethel Place, Baltimore. Architect, Fred Thomas, Gunther Building, Baltimore. Owners, John C. Knipp & Sons, 218 Clay street, Baltimore. Brick, 2½ stories, tin roof, electric lighting. Architect taking bids. The following are figuring: J. Henry Smith, 1426 Light street; L. Scholein & Son, 2217 East Baltimore street; Joseph Schamberger, 2117 East Baltimore street; Singer-Pentz Co., Equitable Building, all of Baltimore.

Church (alts. and add.), Baltimore, Md. Architects, Ownes & Sisco, Continental Building, Baltimore, Md. Owners, Lafayette Square Church. Architects received bids March 23rd.

Court House, Prince Frederick, Md. Architect, T. Kent Roberts, 924 Seventeenth street, Washington, D. C. Owners, Court House Commission, J. Briscoe Bunting, Secretary, Prince Frederick, Md. Brick, 2 stories, 70x80 feet, fireproof, tin roof, composition floors, metal lath, dampproofing (heat and light reserved).

Owners taking bids, due March 27th. James H. Wells, Heed Building, Philadelphia, is figuring.

Physical Laboratory, Homewood, Baltimore, Md., \$200,000. Architects, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owner, Johns Hopkins University, Druid Hill avenue, between Eutaw and Howard streets, Baltimore. Brick, stone and steel, fireproof, 3 stories. Plans about completed. Architects will take bids in about 3 weeks.

Chemical Laboratory, Homewood, Baltimore, Md., \$200,000. Architects, Carrere & Hastings, 225 Fifth avenue, New York City. Owners, Johns Hopkins University, Druid Hill avenue, between Eutaw and Howard streets, Baltimore. Brick, stone and steel, fireproof, 3 stories. Plans about completed. Architects will take bids in about 3 weeks.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.

A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.

It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

MARYLAND

Contracts Awarded

Residence and Garage, Guilford, Md. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Robert F. Roberts, 106 South street, Baltimore, Md. Brick, 2½ stories, 32x65 feet and 20x20 feet, slate roof, warm air heating, electric lighting, oak floors. Contract awarded to E. G. Turner, 15 East Fayette street, Baltimore, Md.

Store Building, 616-618 North Eutaw street, Baltimore. Architect, William Stack, Baltimore, Md. Owner, A. Kohlhepp, 404 North Howard street, Baltimore. Brick, 3 stories, slag roof, steam heating, electric lighting. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

McGarvey & Steinmetz (O), Fifty-sixth and Thomas avenue. Cost, \$3,300. One store and dwelling, brick, 2 stories, 16x47 feet, Fifty-sixth and Broomall avenue. Cost, \$39,300. Fifteen dwellings, Fifty-sixth and Broomall avenue.

C. H. Sherman (O), 5724 Mascher street. W. Schmidt (C), 4930 North Fairhill street. Cost, \$2,700. Dwelling, brick, 3 stories, 16x32 feet, 5724 Mascher street.

Schwingle Bros. (O), 2637 North Hagert street. Cost, \$5,000. Store and dwelling, brick, 3 stories, 22x42 feet. Cost, \$111,000. Thirty-one stores and dwellings, 6800 York road, Philadelphia.

C. J. Norgard (O), 5517 North Third street. Cost, \$5,200. Two dwellings, 16x52 feet, Cheltenham avenue and Weymouth street.

C. E. Biddle (O), 1748 South Fifty-third

street. C. F. Lippincott (C), 6076 Upland street. Cost, \$177,100. Seventy-seven dwellings, brick, 2 stories, 16x35 feet, Fifty-fourth and Malcolm streets.

Mary E. Smith (O), 5263 Ridge avenue. Walter Smith, (C) 5263 Ridge avenue. Cost, \$3,600. Two dwellings, brick, 2 stories, 16x30 feet, 3915 to 19 Manayunk avenue.

B. Isenberg (O), 3812 Poplar street. Cost, \$6,600. Six dwellings, brick, 2 stories, 14x26 feet. Cost, \$1,300. One dwelling. Cost, \$4,400. Four dwellings, Fifty-first and Melrose streets.

F. J. Baltz (O), 4923 North Lawrence street. Cost, \$6,300. Store and dwellings (2), brick, 2 stories, 15x45 feet, 4903 North Fifth street. Cost, \$3,800. Store and dwelling.

J. H. McClatchy (O), Land Title Building. Cost, \$6,000. Dwelling, stone, 3 stories, 26x37 feet, Overbrook, Philadelphia.

Alterations and Additions

U. G. I. Co. (O), Broad and Arch streets. Cost, \$3,500. Laboratory, 1 story, brick, 12x25 feet, Twenty-ninth and Ritner streets.

Charles Stahle (O), 5010 Penn street. Cost, \$1,200. Residence, brick, 3 stories, 20x20 feet, slag roof, 5010 Penn street.

W. S. Harlan (O), 3141 Kensington avenue. L. D. Stites (C), 126 Herman street. Cost, \$1,590. Store and dwelling, 3141 Kensington avenue.

James Henry (O), 3914 North Broad street. Freund Seidenbach Co. (C), 307 Bulletin Building. Cost, \$3,800. Garage, 1 story, 55x64 feet, 4914 North Broad street.

E. N. Ross (O), Tenth and Cumberland streets. M. Fleishman (C), 713 North Eighth street. Cost, \$1,585. Store and dwelling, Tenth and Cumberland streets.

Charles Robinson (O), 1025 South Sixtieth street. F. McEnamen (C), 4531 Springfield avenue. Cost, \$500. Store and dwelling, 4531 Springfield avenue.

C. Smith (O), Fifty-sixth and Chester avenue. M. J. Welsh (C), 7000 Woodland avenue. Cost, \$1,700. Store and dwelling, 5521 Chester avenue.

A. Kollmar (O), 7406 K street. H. F. Hartwig (C), 7003 J street. Cost, \$2,000. Dwelling, 16x47 feet, 2 stories, brick. Cost, \$2,000. Stable, brick, 1 story, 16x20 feet, 7415 L street.

Plasterers' Union (O), 1324 Mellon street. J. Schuster (C), 3552 North Fifteenth street. Cost, \$1,200. Hall, 1324 Mellon street.

F. H. Rinker (O), 416 North Coulter street. F. H. Rinker (C), 416 North Coulter street. Cost, \$2,500. Garage, brick, 1 story, 50x56 feet, 416 North Coulter street.

G. Isen (O), 3039 Euclid avenue. F. Deitrich (C), H and Potter streets. Cost, \$2,800. Store and dwelling, 2925 Diamond street.

Nicholas Canoe (O), 2127 West Indiana avenue. Cost, \$2,000. Dwelling, brick, 2 stories, 16x72 feet, Twenty-first and Toronto streets.

Thomas Whelan (O), 407 McGowan avenue. L. Long (C), 3044 Kensington avenue. Cost, \$4,900. Two dwellings, brick, 3 stories, 14x30 feet, G and Godfrey streets.

Martin & W. H. Nixon Co. (O), Manayunk, Philadelphia. R. H. Beaumont Co. (C), Philadelphia. Cost, \$7,915. Manufacturing Building, Manayunk, Philadelphia.

P. Hardiman (O), 1234 Christian street. H. F. Dillon (C), 1223 South Twentieth street. Cost, \$390. Dwelling, 1031 Ellsworth street.

W. & H. Rowland (O), Tacony and Lewis streets. H. H. Burrell (O), 206 South Quince street. Cost, \$14,000. Manufacturing Building, Tacony and Lewis streets.

Link Belt Co. (O), Hunting Park avenue and Philadelphia and Reading Railroad. Cost, \$3,000. Manufacturing building, Hunting Park avenue and Philadelphia and Reading Railroad.

Gulf Refining Co. (O), Morris Building. S. W. Hahn (C), Glenside avenue. Cost, \$5,600. Office and store roof, 30x40 feet, 1 story, Snyder avenue and Vandalia street.

B. Morgenstein (O), 737 South Fourth street. H. Bernstein (C), 325 Fitzwater street. Cost, \$1,100. Bakery and store, 737 South Fourth street.

F. A. Baltze (O), 1520 South Bailey street. Cost, \$5,000. Residence, 1520 South Bailey street.

J. H. Getz (O), 2824 Germantown avenue. Wolverton & Collins (C), Erdenheim, Pa. Cost, \$2,450. 8026 Germantown avenue.

Dr. F. Schoomacker (O), 5223 Chester avenue. W. Read (C), 3943 Haverford avenue. Cost, \$500. Garage, brick, 1 story, 11x16 feet, 5223 Chester avenue.

Charles Budenbaugh (O), Seventh and Sixty-fourth avenue, Oak Lane. P. A. Watz (C), 6610 North Seventh street. Cost, \$700. Garage, brick, 1 story, 16x19 feet, Oak Lane, Philadelphia.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., MARCH 24, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Brockie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John F. Harbeson
Vice-President.....Herman L. Duhring
Secretary.....Frederick A. Muhlenberg
Treasurer.....Walter Mellor
Directors—Clarence C. Zantzinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

That trade conditions in the local building field are slowly but steadily forging back to normal is shown by the number of large operations either under way or in process of planning. The new Presbyterian Hospital, designed as a complete structure, but to be erected a unit at a time, is one of the most pretentious of these new operations. The plans by John T. Windrim show a beautiful building five stories in height, of granite, limestone and brick, arranged in five units, and embodying the very newest and most approved ideas in hospital construction.

A new office building for the Victor Talking Machine Company, in Camden, N. J., eight stories in height, of steel frame and of brick, limestone, granite and terra cotta construction, designed by Karcher & Smith, and a manufacturing building for J. K. Davidson & Sons, jewelers, at 210 South Thirteenth street, designed by C. E. Schermerhorn, go to show that confidence is returning and that with good weather a number of other large projects held in abeyance because of untoward conditions may be expected to assume practical shape. A good sign that trade conditions are easing perceptibly is to be found in the activity of the operative builders. In West Philadelphia, in Germantown and in the northeast work is under way on hundreds of modern dwellings, the two-story type chiefly, indicating that in spite of the dismal chorus of the confraternity of gloom and of discontent, there is an undercurrent here and there of decidedly robust and healthy optimism. Viewed by small and large, the outlook is good for a normal busy and prosperous season.

* * *

The gentleman who covers the art exhibitions for the "Ledger" has an appreciative note on the drawings of George T. Koyl, now on display in the Architectural Library of the University of Pennsylvania. Mr. Koyl is a graduate of the University and a late holder of the architectural fellowship of the American Academy in Rome.

"The central feature of the exhibit is Mr. Koyl's restoration of the villa of Hadrian, expressed in three large drawings, rendered in water color," comments the "Ledger's" man. "The plan measures about 9 feet by 5½ feet, the elevation 15 feet by 3 feet and the section 13 feet by 3 feet. It would be difficult to find a subject which gives one a more comprehensive view of Roman civilization at its best, and, recognizing its importance to students of classical culture, Mr. Koyl spared neither time nor energy in arriving at his results.

"The Italian Government not only allowed him to excavate in four or five places, but also generously supplied him with the necessary workmen free of charge. These excavations have thrown new and valuable light upon several portions of the villa. The area

covered by Mr. Koyl's exploration measures about one mile from north to south, and is the site of the Imperial Palace, two theatres, extensive bathing establishments, libraries, large areas for out-of-door recreation and domestic quarters for the army of royal retainers and servants.

* * *

"A design for an American hall of fame, in which the arts of painting and sculpture unite harmoniously with the mother art of architecture, is the collaborative work of Koyl, as architect; H. D. Thrasher, sculptor, and Ezra Winter, painter, contemporaneous Fellows of the American Academy in Rome. Mr. Koyl's other works executed during his last three years abroad include a full-sized rendered drawing of one of Ducio's panels from the Oratorio of San Bernardino, at Perugia; many full-sized details of other structures and numerous beautiful water colors.

"Mr. Koyl's college training and technical preparation for Roman research was gained in the School of Architecture, University of Pennsylvania. He was granted the baccalaureate degree in 1909, the master's degree in 1911 and in the same year was awarded the three-year fellowship in the American Academy in Rome as the result of a nation-wide competition."

* * *

"Another Philadelphian who is now in residence there is W. H. W. Hough, also a University of Pennsylvania man, so that with the previous Pennsylvania prize winners and Polaseh and Manship, the sculptors, who also were sent to Rome, the Academy has a strong Philadelphia tinge to it. And it ought to have, since its superb new quarters in the Villa Aurelia, on the Janiculum, are the gift of a Philadelphian, Mrs. Heyland, a Miss Jessup, while Theodore N. Ely, as vice-president, and Frank Miles Day among the directors make the Philadelphia end of it stand out conspicuously. Moreover, the director, Prof. Jesse Benedict Carter, of Princeton, is a kind of Philadelphian by annexation. Of the work exhibited at the University of Pennsylvania, Mr. Koyl's 'Hall of Fame' is most impressive, even if it is never likely to be realized, since it represents a big idea.

"Moreover, the sculpture by Thrasher, a giant figure holding the eagle of fame, is a unique conception. Ezra Winter's large wall painting, part of the Hall of Fame, suggests a splendid artistic panorama, and an example of his work reproduced to-day is very characteristic and is stunning in its broad sweep. Thrasher's smaller sculpture of Salome's dance is cut in travertine, a fairly soft stone with an ocherish glance and color, and is delightfully archaic and effective."

* * *

The Managing Committee of the John Stewardson Memorial Scholarship in Architecture

announces a competition for a scholarship of the value of \$1,000, the holder of which is to pursue the study of architecture in this or foreign countries, as determined by and under the direction of the committee.

Only residents of the State of Pennsylvania shall be eligible to compete for the scholarship, and candidates must be under 30 years of age on May 3, 1915. As evidence of the residence the applicant must show that he has spent the whole year immediately preceding May 3, 1915, in the study or practice of architecture within the State of Pennsylvania. Candidates who have spent the usual or customary vacation period outside the State, without paid employment, shall not be excluded, provided, however, such vacation is taken after the applicant has actually commenced the study or practice of architecture in the State of Pennsylvania.

Qualifying examinations will be held at the University of Pennsylvania for this competition during the week following the preliminary sketch of the examination in design (under a schedule which may be obtained on application), but only those candidates who shall pass these qualifying examinations, or be entitled to exemption from them, will be eligible to complete the examination in design. Candidates will be required to pass the following qualifying examinations:

First—Freehand drawing.

Second—History of architecture.

Third—Construction.

Fourth—Language. Ability to translate readily at sight any passage in Laloux's "Architecture Grecque," or an equivalent work in French, Italian or German, as the candidate may elect.

Qualifying examinations will also be held as above at other points in the State as far as practicable. Requests for such examinations should be forwarded to the Managing Committee, which will duly advise applicants with regard to the holding of examinations in their respective localities. Such examinations, including the preparation of final drawings, would be held under the supervision of local examiners appointed by the Managing Committee.

Graduates of any of the recognized schools of architecture (as approved by the committee) will be exempted from the qualifying examinations. Also any candidate who in an approved school has completed the equivalent of any qualifying examination will be exempted from such examination in this competition.

Inquiries may be addressed to Professor Warren P. Laird, School of Architecture, University of Pennsylvania.

* * *

The question of competitive bidding as applied to building construction is one that is perennially open to discussion, and it is not to be supposed that a practice which has been in existence, it might well be said, since and before Noah's Ark came off the ways, is to be changed except through the gradual and positive realization by one and then another interested individual that it is a custom "more honored in the breach than the observance,"

says Secretary Sayward, of the Master Builders' Association of Boston, in his "Monthly Letter." If this conclusion is reached, it must be supplemented by the fact that there is some other better method available. Such a method exists, is in use, and will probably become more and more the practice. I refer to "Cost-plus-a-fixed-sum."

Undoubtedly many conservative contractors of the older school hold that contractors must compete together so long as the owner insists on bowing down to that ancient idol, "the lowest price." That the "lowest price" thus secured is not the best price for the owner and in the end proves to be far from lowest price and does not represent the value that it has on paper, I have long contended. Furthermore, I believe that the "Cost-plus-a-fixed-sum" method, in proportion as it becomes more thoroughly and widely applied, will effect a competition among builders of great advantage to the owner and not ruinous to the contractor, as is the general tendency of "competitive estimating."

Competition under "cost-plus-a-fixed-sum" is competition "before the fact;" viz., before the owner comes forward with his proposition to build. That is to say, builders will have been demonstrating in structures which they have already erected how economically, speedily, and effectively they can serve the owner. Some will be able to do this more cheaply and better than others. Hence there will be a very real competition in which builders will vie with one another for the favor of owners who are to build in the future. There likewise will be a very notable cutting of cost to the owner, and it will be a cost that will stay cut because there will be no temptation to "skin the job" in order to avoid loss on the contract.

* * *

Such cost cutting as I have just indicated will be a direct result of the builder's endeavor to win a reputation for doing work economically and effectively. Contractors are nowadays making careful studies of the most effective way to perform work, an interesting example being the recent demonstration by one of the members of the association of a saving of 7 cents in cost per cubic foot of brick laid, effected largely by improved methods of transportation of material to the stagings. This cutting of cost would seem to be particularly a corollary and accompaniment of the "cost plus a fixed sum" method. It may, of course, be effectively and properly used in connection with ordinary competitive work. In that method, however, the contract price is always hanging over the builder's head, and, as already indicated, a careless, indolent or unscrupulous contractor is open to the temptation to save himself or add to his profits by skimping work and materials, by "skinning" sub-contractors, or by other illegitimate practices, rather than by cutting cost through improved methods.

In addition to the advantages accruing to the owner, from the builder's point of view the "cost plus a fixed sum" method is acceptable by reason of cutting overhead expenses in figuring work which he does not

secure, removal of disputes over extras, establishment of more cordial relations between owner, architect and builder, and stimulus to perfect more efficient methods of working which must necessarily act to increase the builder's confidence and self-respect. The sub-contractor and material man will likewise benefit through the removal of temptation to "skin" them in effort to recoup by the general contractor.

* * *

Plain talk, this. And backed by plenty of good, hard, practical business sense. The price-cutting game has about gone its limit. It would seem to be time to introduce something based on a sound commercial bottom. And the "Cost-plus-a-fixed-sum" idea is about as sane a solution of existing evils as anything so far suggested.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

FASTER SYSTEM

MAXIMUM AT MINIMUM
EFFICIENCY COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Philadelphia Real Estate Record and Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912.

Editor, J. Irving Dillon, 5716 Christian street Philadelphia.

Managing Editor, none.

Business Manager, none.

Publishers, Building News Publishing Co., Perry Building, Philadelphia.

Owners, W. S. Harvey 2nd, Bala, Pa.; Louis S. DeLone, 6419 Drexel road, Philadelphia; Samuel R. McDowell, Narberth, Pa.

Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,
Louis S. DeLone, Treasurer.

Sworn and subscribed before me this 18th day of March, 1915.

John A. Fitzpatrick, Notary Public.

(My commission expires April 8th, 1917.)

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

Lots of men don't advertise because they cherish an idea it's too expensive. As a matter of fact, it's the cheapest good investment a man can put his money in, as hundreds of successful men have learned.

Don't lose your grip. Noah was 600 years old before he knew how to build an ark.

WHEN, HOW AND WHERE TO PAINT

"To paint or not to paint" is no longer the question for the modern home owner—but rather, "When to paint" or "How to paint." I shall try to tell you in a condensed way something about paint efficiency. It may be that some of my advice is an old story to you, but by glancing through this article you possibly can hit upon those questions in which you are especially interested.

You might just as well ask the question, "Why go to the dentist?" as to ask "Why paint?" In both cases the answer is "to protect from decay," with perhaps the additional reason, "to beautify." Yes, paint is as essential to property as dentists are to teeth, and those who avoid either do so to their own loss.

Granted, then, that you paint first of all to protection, and, secondly, to beautify, you face the problem of what kind of paint to use. You have the choice of hand-mixed paint or of ready-mixed paint. By hand-mixed paint we mean paint which a painter mixes himself according to his own fancy and judgment. He, himself, often grinds the ingredients—white lead, linseed oil and the necessary drier and coloring pigments. Some people prefer this method of painting, because they claim they can specify and know just what ingredients are used, and they like to dictate how to mix these ingredients or else depend on some painter in whom they have confidence.

The other way is to use ready-mixed or machine-made paint. This kind of paint is being more generally used all the time, as it is more in keeping with modern ideas of efficiency. Machine-made paint is always the same—the most scientific formulae can be followed out exactly—the ingredients can be more finely ground by powerful, modern machinery than by human power. With your materials ground and mixed to such a fine degree, you obtain paint that has great spreading capacity, and, therefore, great economy. Another argument in favor of good, machine-made paint is that it is more likely to contain zinc. This is an essential protective ingredient for paint, but it is not so often found in hand-mixed paints. Of course, all machine-made paints are not desirable, but there are any number of firms who manufacture good ready-made paints. So, in your painting, specify a paint that is guaranteed by the trade-mark of one of these well-known concerns.

Under no circumstances should a new house be painted before the wet basement or the plaster has dried out. It should be borne in mind that every yard of green plaster contains nearly a gallon of water, and unless thorough ventilation is given and the moisture is allowed to evaporate and escape in that way, it must necessarily escape through the siding (which may have been thoroughly dry when put on), and the result must inevitably be blistering or peeling. Painting

during, or following soon after, a dew or heavy frost or fog, or in any heavy, damp atmosphere, is likely to produce unsatisfactory results, as dry siding absorbs moisture very rapidly. To the greatest extent possible, painting in the direct heat of the summer sun should be avoided. Paint on the shady sides of a building as much as can be done. Painting around fresh mortar beds should be avoided on account of the tendency of the oil in any paint to absorb the moisture and fumes from the lime, destroying the life of the oil and causing the paint to flatten out and perish.

Here are a few rules which in general apply to any finishing in which you want the best results. See that the surface is free from grease and soot. If it has been previously painted and is peeling, scaling off or cracking, burn off all the old paint. See that the surface is perfectly dry. Moisture is what often causes blistering, cracking, scaling, and like troubles. All pitchy surfaces should be treated either by burning or by sealing with good orange shellac. All knots should be carefully treated with shellac. Make sure the paint is mixed and stirred thoroughly before using. Do not paint in frosty weather or over too glossy a surface. Any paint may "crawl" under such conditions. Unless you have perfect confidence in your ability or your painter's, do not use boiled oil in any form or for thinning. Boiled oil never dries thoroughly, and always leaves the surface in bad condition for repainting unless rightly used. Pure, raw linseed oil should be used; it dries through and through and leaves a good, hard surface for repainting. "Elbow grease" must be used to spread any paint out into thin coats and to brush it well into the pores of the wood.

Here are a few things to remember when doing your interior "brightening up:"

In using enamel for finishing (and you are very likely to paint an old desk or table), remember first to apply two, and probably three, coats of flat paint. If you have a good, solid surface on which to apply your enamel, you will not only produce a better effect, but save time and expense, which would be wasted if you had a poor undercoating and were forced to put on several enamel coats.

In finishing a floor, remember to begin at the corner farthest from a door and work towards your exit, otherwise you will find yourself "cornered" and surrounded by a sea of wet varnish or stain!

You no longer need bemoan the fact that the furniture in a certain room doesn't "match." The many stains to be had now will closely imitate nearly every kind of wood.

Time was when varnish turned white if any liquid came in contact with it. Varnish can now be obtained which is perfectly heat

and water proof. So, when purchasing varnish, or when your painter is using it, ask if it is waterproof.—“House and Garden.”

POURED CONCRETE HOUSES IN AUSTRALIA.

The construction of concrete houses of various kinds, and more especially those of comparatively moderate cost by what is known as the “poured” process in connection with the use of moulds is growing in popularity in Australia. A prominent builder in Adelaide erected a large number of houses a year ago, making use of a method which he developed and which has been styled the “Monolyte” process. The system is a close approach to that which Mr. Edison brought to public notice some years ago, but thus far the Australian has made use of his system only for building workmen’s cottages and structures of that class.

In the houses erected in Adelaide the walls and chimneys are monolithic while the roofs and floors are of strong construction, although floors and ceilings may be of reinforced materials if so desired. The statement is made that by the use of this system a six-room house was finished in ninety-six hours, the cost in Australia being considerably less than brick and almost as cheap as wood.

The “Monolyte” system is said to vary considerably from that practiced by other somewhat similar processes, in that the moulds are of wood with inside faces of iron and stand the full height of the wall. The concrete is mixed dry on the ground and then conveyed by an elevator to flues above the moulds; fed with water and the wet concrete is poured into the moulds in one continuous stream until the walls are filled in.

The mixture consists of one part cement, three parts sand and six parts of ¾-inch stone screenings.

These materials are measured out, then roughly mixed and placed at the foot of the elevator, which, with its endless chain buckets, lifts it to the mixing trough located above the top of the moulds. As previously intimated, the material is elevated to the mixing trough in a dry state and the water is added from a tap which is under the control of an expert concrete mixer.

The moulds are of such a nature that when taken down they may be used repeatedly for other buildings. When removed the surfaces of the walls are scratched with steel combs in order to give a key for the plaster.

The reinforcement for foundations consists of half-inch steel rods all hooked together at joints and turned corners. It is stated that for the walls ¾-inch, 5-16-inch and ¼-inch rods as desired are placed 18 to 24 inches apart, both vertically and horizontally, and wired together at all intersections. These are put together on the ground and lifted bodily into position in the center of the mould space. They are held in place by distancing pieces of the wire at necessary intervals. The houses are plastered on the inside and “rough cast” on the outside.

THE WAR VS. COMPETITION FOR BUSINESS.

The following editorial comments in the “Bi-Monthly Magazine” of the Builders’ and Traders’ Exchange, of Detroit, contain much food for thought on the part of practical builders:

“The existing war in European countries, while very interesting to the reading public, is a disgusting affair when viewed from a standpoint of civilization at the present day and age. And yet it is only on a larger scale, the same sort of warfare in a way that is being practiced almost daily in our own country and in this very city, in some lines of business, when modern methods and conditions should have abolished this warfare long ago.

“Competitors are fighting one another, in many instances, in just such a disgusting way and cutting each others’ throats, so to speak, in an endeavor to secure more business and put the ‘other fellow’ out of ‘the running’ if possible. And the little fellow, in this struggle, is trampled under foot, just as the little nations across the water are, without regard to right, strength, or reason, by the combatants, whether victor or vanquished in the end. And why all this warfare and strife; this sacrificing of human life and decent business. Is it necessary or justified? Do the winners gain, or do they lose even if they win?

“The real reason, it seems to us, harks back to that old enemy—inherent selfishness. A desire to gain all for ourselves, without regard to the rights or needs of others, influenced in actions from motives of private advantage.

“And what does it profit? We live only so long anyway. We can take nothing away with us, and we can use only so much while we are here. Is it not worth more to be square, decent, peaceful and upright than to have all the business, all the money or all the territory in the world? We do not wish to preach, but we cannot help alluding to that question in the Good Book, which asks, ‘What shall it profit a man if he gain the whole world and lose his own soul?’ Is it not worth considering, and can we not gain more in the end by being a whole lot less selfish, a whole lot less ‘scrappy,’ a whole lot more honest and decent and have as our motto ‘Live and help live?’ Think it over and let’s see if we can’t adjust our own individual deeds and actions to assist in a widespread movement of the adopted motto of this Builders’ Exchange on the front cover of this magazine.

“It’s what we stand for; let’s live up to it!”

Once-in-a-while advertising is like once-in-a-while eating. Good in its way, but decidedly not nourishing.

Ever try a “Want” ad. in The Guide?
Gets the goods every time.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for “Proposal” advertising. “The Builders’ Guide” is the Only Medium in this Field.

SEALED PROPOSALS.

PENNSYLVANIA VILLAGE FOR FEEBLE MINDED WOMEN, Union County Pa.—Sealed proposals for construction of Cottage No. 1, plumbing, heating and electrical work, will be received and opened in the presence of the public at 2 P. M. Friday, April 9th, 1915. Plans and specifications and form of proposal may be obtained at the office of George S. Idell, architect, 34 South Sixteenth street, Philadelphia, Pa., upon deposit of \$5.00, one-half of which will be refunded upon return of plans and specifications. Approximate cost of building, \$25,000. Location, 2½ miles from Glen Iron Station. Certificate of bonding company to accompany bid.

TREASURY DEPARTMENT, Supervising Architect’s Office, Washington, D. C., March 18, 1915.—Sealed proposals will be opened in this office at 3 P. M., April 20, 1915, for the construction complete (including mechanical equipment) of the receiving building for the Philadelphia, Pa., Immigration Station (Gloucester, N. J.). The building is a one-story frame structure with a ground area of 29,000 square feet. Drawings and specifications may be obtained from the Commissioner of Immigration at Gloucester City, N. J., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect’s Office, Washington, D. C., March 20, 1915.—Sealed proposals will be opened in this office at 3 P. M., April 21, for the installation of an inter-communicating telephone system for the offices of the United States District Attorney in the United States Courthouse and Post Office, New York, N. Y., in accordance with the specification, copies of which may be had at this office or at the office of the Supervising Chief Engineer, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect’s Office, Washington, D. C., March 22, 1915.—Sealed proposals will be opened in this office at 3 P. M., April 19, 1915, for the construction complete (including mechanical equipment) of Medical Officers’ Quarters at the United States Marine Hospital, Wilmington, N. C. The building is a two-story frame structure with a ground area of 930 square feet. Drawings and specifications may be obtained from the Custodian at Wilmington, N. C., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

The world is just chock full of men who failed because they expected buyers to romp right in and ask for goods. Modern business spends big money simply to get the buyer interested knowing that sales follow.

COMPO BOARD.

Remarkable Adaptability of this Greatest of All Wall Boards—Howard Ketcham, Sole Agent for Philadelphia.

"Finance and Commerce" contained a glowing but merited tribute in a recent number to Compo Board—the durable, useful, adaptable and easily-applied wall board for which Howard Ketcham, the widely known lumber man at Third and Girard avenue, is sole agent.

"An entirely new and original substitute for lath and plaster, which is used so extensively in building operations, has recently made its appearance," says "Finance and Commerce," "in 'Compo Board,' and which has met with phenomenal success during the brief period in which it has been on the market.

"This 'Compo Board' is not a combination of strawboard and pulp, but an entirely new combination of narrow wooden laths, heavy building paper and air-tight cement, and can be readily cut to any desired length or width with an ordinary saw. The vast superiority of this new 'Compo Board' over the old style lath and plaster has been conclusively demonstrated in many large building operations recently. In addition to its use in walls and ceilings, 'Compo Board' has been successfully used by newspaper and brokers' offices for bulletin boards, and it is claimed outlasts the old style slate composition, which has a tendency to peel and become dingy and unsightly after a limited period of reasonable usage, thus requiring frequent renewals, entailing almost continuous additional expense.

"With 'Compo Board,' however, this additional expense is entirely eliminated. The first expense is the only expense, as the board is practically everlasting, and once installed will stand many years of hard usage.

"Besides the general utility of this new 'Compo Board' a highly commendable feature is its extreme cleanliness and sanitary features. The board, as above stated, can be cut to any desired length or width, by anyone with an ordinary saw, and placed in position by anyone who can drive a nail. It can be washed at will without danger of possible damage, and contains nothing which is in the least germ-collecting. One of the ingredients entering into its composition being cement, renders it practically impervious to the attacks of rats or mice, and is, therefore, the perfect sanitary product for the walls and ceilings of modern houses. Besides these many advantages, it is much warmer than lath and plaster, or steel.

"It is a notable fact that there is only one 'Compo Board,' which is the original, and like most meritorious products is greatly imitated. For instance, upon more than one occasion 'Compo Board' has been specified in a building operation and another ordinary composition board of inferior goods has been unscrupulously substituted and the builder has, as a result, been forced to tear out his work and replace same with genuine 'Compo

Board,' according to the specifications with which he has had to comply. It is, therefore, well to be sure of obtaining the genuine product and not one of the numerous imitations.

"To sum it up, 'Compo Board' is more economical, warmer, healthier, more durable, cleaner and more easily applied than another known method of ceilings and walls for buildings of any character, and 'Finance and Commerce' wish to congratulate Mr. Ketcham, who is the sole agent for this vicinity, in his success in placing such a high-quality product upon the market, and we predict for it the high degree of success which it so justly merits."

All of which "The Guide" most heartily seconds.

BIRCH COMING INTO ITS OWN.

Birch should never have been substituted for mahogany or cherry. It should have stood on its own merit from the first. It is not a second-place wood, not an apology for or a substitute for anything. While it may be a compliment to birch that it has passed for mahogany for a hundred years, the time for compliments of that kind is now over, and the day is not distant when no one will wish to conceal real birch behind the false claim that it is a tropical wood. Without detracting one iota from the genuine worth of mahogany, it can be stated that birch possesses certain qualities which are superior to mahogany. It is stronger. It stands strains which would snap the tropical wood. It cannot be truthfully asserted that in beauty of grain when properly finished birch goes ahead of mahogany, because it does not—no wood does. But in combining strength and beauty, it ranks above mahogany. It takes finishes which no mahogany has ever yet received.

At the recent furniture show in Chicago the display of birch was instructive. When employed as an imitation of mahogany it was given the load to carry. If it was a bedstead, the rails were birch, because the strains fell there; if a chair, the arms and other parts were of the American wood, where strength as well as beauty were demanded; if a hatrack or coat tree of slender central spindle, more than likely the strain fell on a birch piece. That rule was general, though it was not universal.

It is not necessary to claim for birch that it is superior as a furniture and finish wood to all others in America. There are other extremely high-grade cabinet woods in this country, and all that need be claimed for birch is that it ranks with the best of them. It is strong, hard, stiff, takes fine polish, responds remarkably well to the application of stains and fillers, and if a figured wood is wanted, selected birch supplies it. All of the qualities of a superb cabinet material are here. It is no experiment. It has held its place and gained ground from the first, and it has reached a point where it is able to stand on its own merits and against all comers, either domestic or foreign. This claim extends to lower as well as to the best grades of highly colored and finely figured stock.

Birch fills plebian as well as aristocratic places; it is the camp stool as well as the rocker; the bed slat as well as the carved legs of the grand piano. It is fit for nearly every part and class of woodwork. It detracts nothing from its long and honorable reputation to know that excavations have been shown that the terrible war chariots of the Assyrians, with scythe blades on the hubs and spears on the ends of the poles, were made of birch—rims, hubs, spokes, axles, poles and body. Then why hide the identity of this splendid wood under aliases and disguises?—"Hardwood Record."

PUBLIC ENEMIES.

By Walt Mason in the "Journal of Electricity, Power and Gas."

If you build a line of railway over hills and barren lands,
Giving lucrative employment to about a million hands;
If you cause a score of cities by your right-of-way to rise,
Where there formerly was nothing but some rattlesnakes and flies;
If when bringing kale to others you acquire a little kale,
Then you've surely robbed the peepul and you ought to be in jail.

If by planning and by toiling you have won some wealth and fame,
It will make no odds how squarely you have played your little game;
Your success is proof sufficient that you are a public foe—
You're a soulless malefactor; to the dump you ought to go.
It's a crime for you to prosper where so many others fail;
You ought to be in jail.

Be a chronic politician, deal in superheated air;
Roast the banks and money barons, there is always safety there;
But to sound the note of business is a crime so mean and base,
That a fellow guilty of it ought to go and hide his face.
Change the builders' song triumphant for the politicians' wail,
Or we'll think you've robbed the peepul and we'll pack you off to jail.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Gas Grates.

J. B. Spruance, 9 S. 18th st., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Wall Safes.

J. B. Spruance, 9 S. 18th st., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

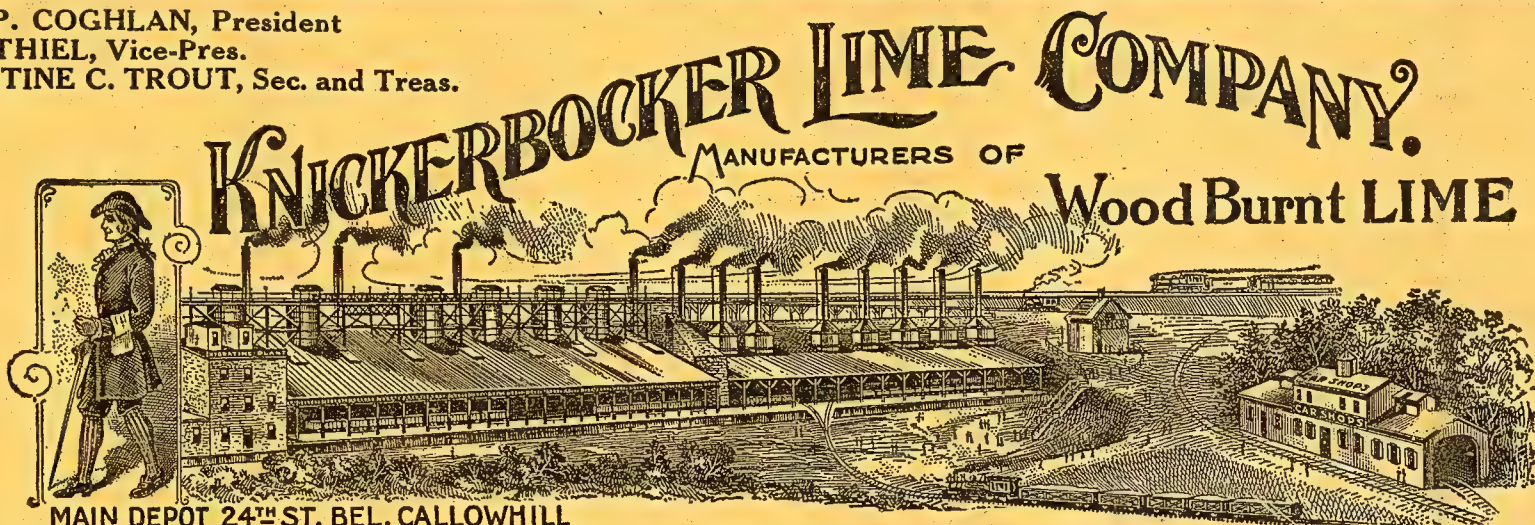
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

Increase your opportunities for
business by using THE DAILY
BUILDING NEWS.

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.



LIGHTING FIXTURES

Distinctive in Design

Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory

221 N. 16th Street Philadelphia, Pa.

MANUFACTURERS OF

Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing
compounds containing "Stearates" or other Soaps.
IMPERVITE is not a soap: it is the only compound
which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is
better than two pounds of Soap Compound.

We can send you Official Gov-
ernment Tests and scores of
enthusiastic letters from Users—
but will this SATISFY you?

In order to give you an oppor-
tunity to PROVE our claims, we
are willing to send you 25 pounds
of Impervite for \$2.00 (freight
prepaid by us) with the under-

standing that if it does not prove
more efficient than the compound
you are now using, you will be
under no obligation to pay us.

We are willing to let YOU be
the judge. Write to day.

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

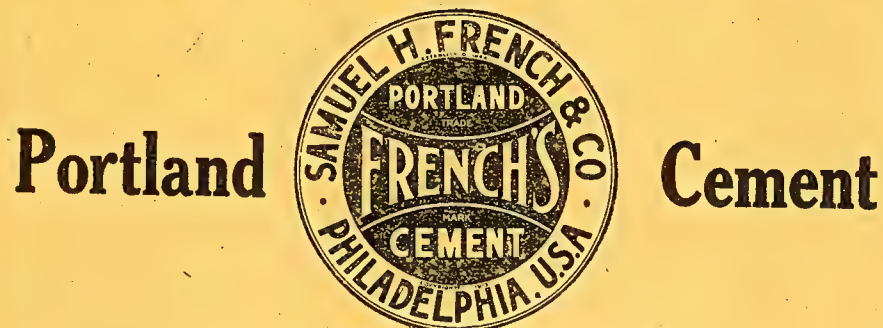
ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 13.

PHILADELPHIA, WEDNESDAY, MARCH 31, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

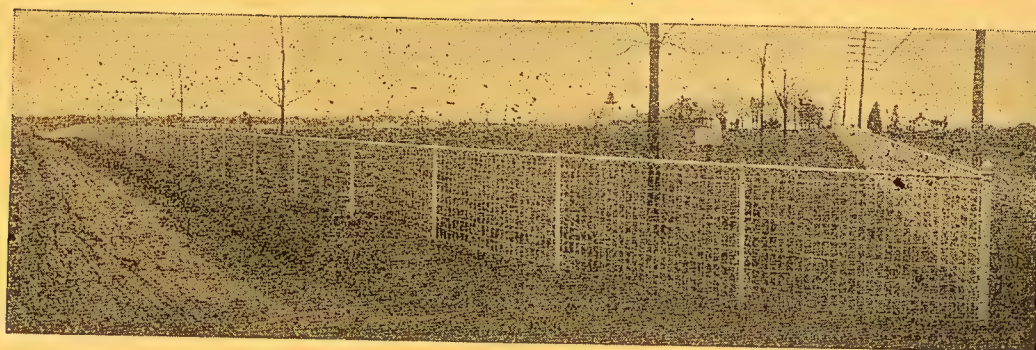
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

CARPENTER FENCES

ALL-GALVANIZED, RIGID, INDESTRUCTIBLE

We are makers and builders of Iron Railings, Entrance
Gates and Wire Fences of all designs and for all purposes.



One-half mile section of boundary fence erected on the estate of
Gideon N. Caleb, Esq., Eatontown, N. J.

A complete line for private estates. Fences for garden,
tennis court, poultry runs, kennel, paddock, field, etc.

ALL-GALVANIZED UNCLIMBABLE CHAIN LINK
FENCES FOR INDUSTRIAL PROPERTIES

Correspondence Solicited.

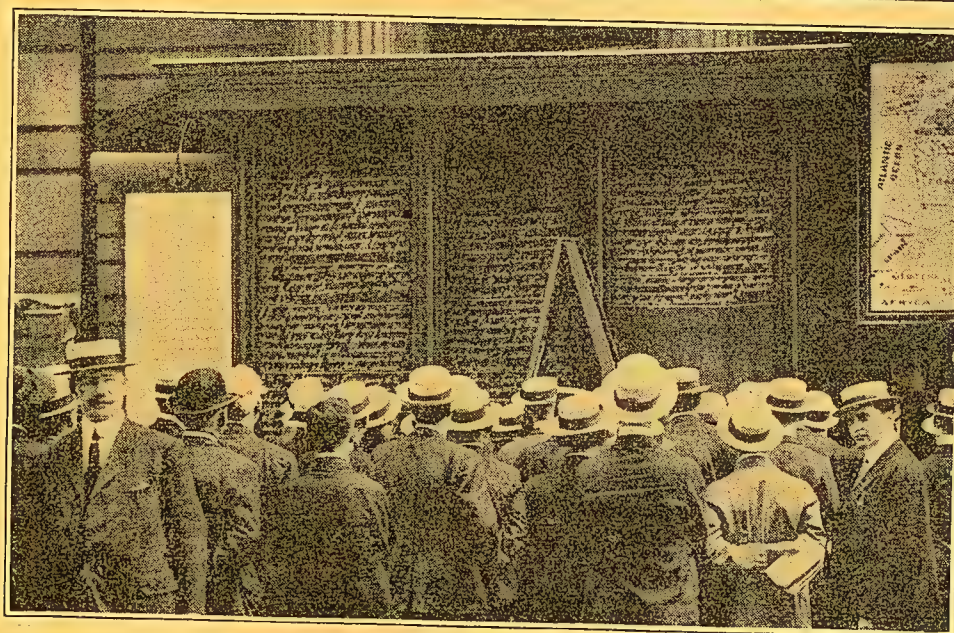
Catalogues Furnished

F. E. CARPENTER CO.

868 Postal Building

New York City

THE NATIONAL CEMENT



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

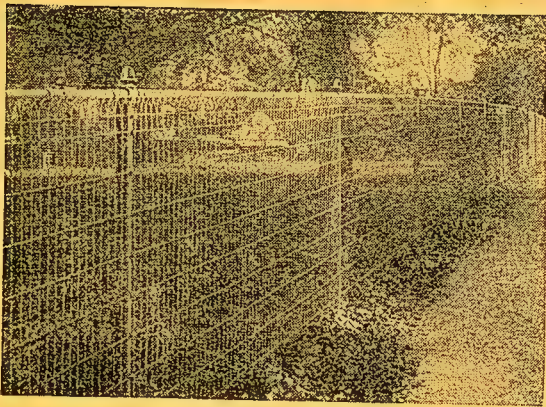
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens **ANCHOR POST FENCES**

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



DESIGNS

DETAILS

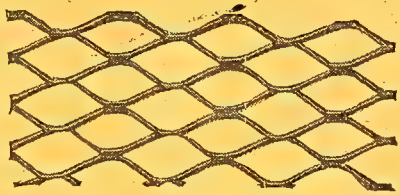
CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO" Expanded Metal Lath



"Bilco" Diamond Mesh

is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

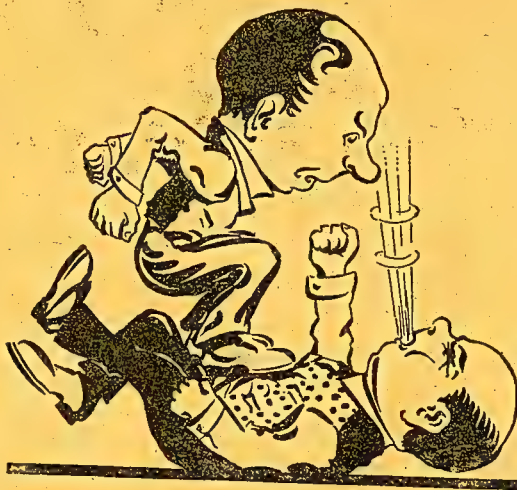
Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,

131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

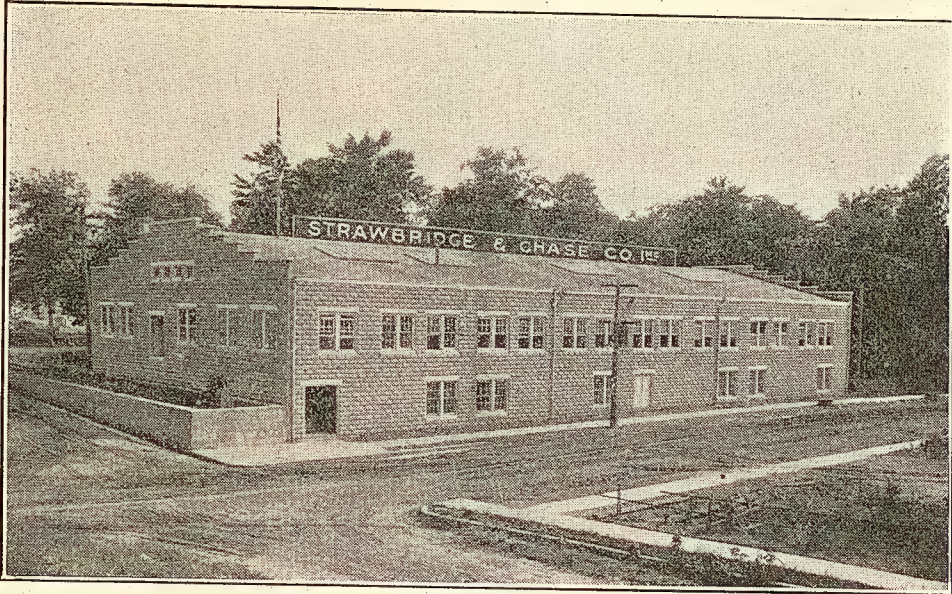
MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.



You'll find what you've been hoping for if you examine "F-S" Products.

It isn't every day that you happen on materials that give you just the desired results. In shingle staining you'll be tickled with every job, if you specify "Shinglekote." It gives a good finish and it's reliable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA
(111)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

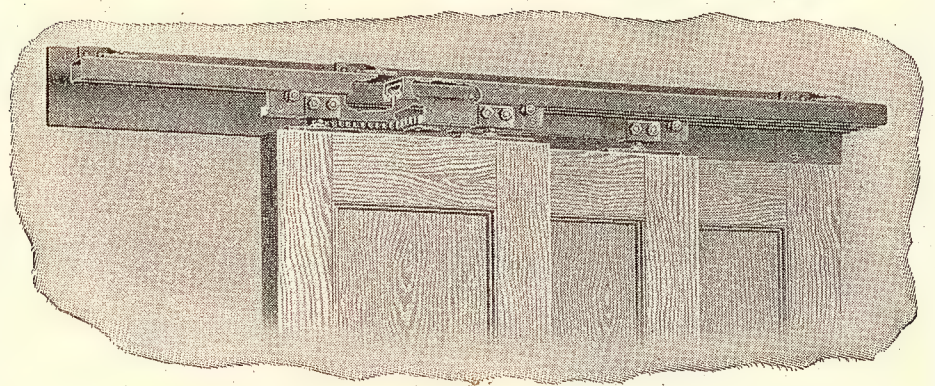
Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

**Leatherfloor is the Best
Our Motto, "None Better"**

Leather Flooring Co.
Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



**IDEAL in Name and Action
"And Made in U. S. A."**

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
 Roofing and Floor Tile
 Sewer Pipe and Flue Linings
 and Slaters' Tools

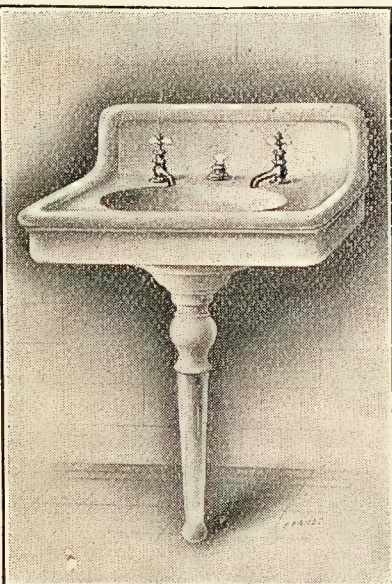


Plate 107 D
 18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
 jobber of Plumbers Supplies
 in the United States.

Write for special *Catalogue D*.

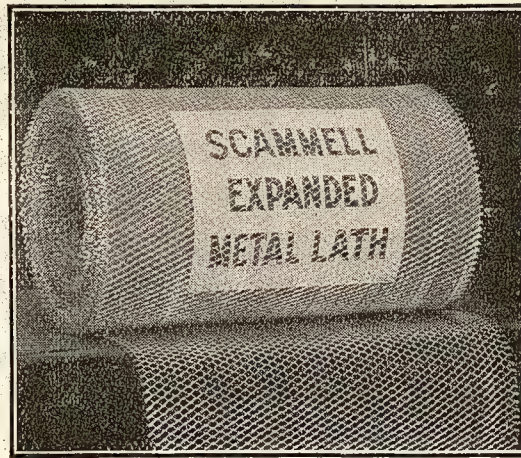
Specify "CAPOCO" Ware for your
 Bath Rooms on particular work

CAMDEN POTTERY CO.
 Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



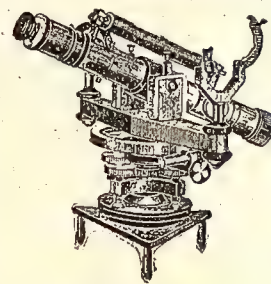
The only Expanded Metal Lath in Rolls
 Patented February 17th, 1914

The advantages of Scammell
 Expanded Metal Lath are
 greater strength, increased
 durability, smaller mesh, ap-
 plied parallel with the furring,
 no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
 Furring and Lathing
 Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for **Architects and Contractors**.

12-inch achromatic telescope, cross hairs, sun-
 shade and cap. Clamp and tangent to vertical axis,
 horizontal circle to degrees,
 by vernier to 5 minutes.

Other transits from \$15
 to \$115.

Serviceable.

Durable. Will hold adjustments

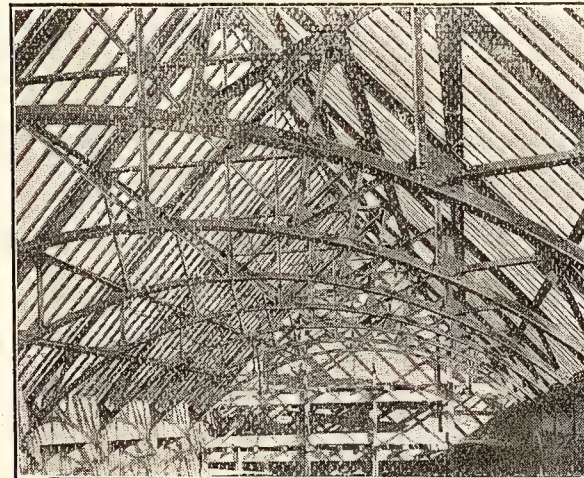


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

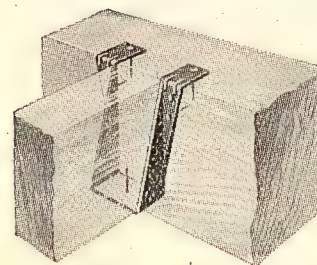
1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

Structural Steel
 Steel Towers
 Ornamental Iron
 Work
 Concrete Designs

STEEL JOIST HANGERS

The cheapest method for all framing of joist in
 Apartment Houses, Residences, Store Buildings, etc.



SPECIAL NET PRICES:

2 x 8 in. joist, 9c.	3 x 8 in. joist, 11c.
2 x 10 in. joist, 11c.	3 x 10 in. joist, 14c.
2 x 12 in. joist, 12c.	3 x 12 in. joist, 18c.
4 x 10 in. joist, 17c.	6 x 10 in. joist, 30c.
4 x 12 in. joist, 19c.	6 x 12 in. joist, 35c.

Cleanout Doors
 Anchors

Ash Drops
 Wall Ties

Dampers
 Cellar Doors

Carried in Stock

Bell Phone:
 Spruce, 24-43

BUILDERS IRON WORK CO.
 217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
 Race, 26-32

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 13.

PHILADELPHIA, WEDNESDAY, MARCH 31, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Prison (alt. and add.), Tenth and Reed sts., Philadelphia, \$80,00. Architect, P. H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prison Board, Tenth and Reed streets, Philadelphia. Brick and concrete, laundry building, 1 story, 24x31 feet, boiler house, 1 story, 50x40 feet, slate and slag roof (electric light, steam heat and mechanical system, plumbing, separate bids), asphalt floors, metal lath, enamel brick, damp-proofing. Owners taking bids, due March 31st. In addition to those previously reported, George Mink, 2207 Chestnut street; J. Johnston, 1721 Ludlow street; Roydhouse-Arey Co., Fidelity Building; P. M. Sax, Heed Building, William Steele & Sons, 1600 Arch street; F. W. Van Loon, Denckla Building; Thomas Little Sons, 1713 Moravian street; E. C. Durell, 1713 North Twenty-fourth street; L. F. McNeill, 1713 Sansom street; Ketcham & McQuade, 1029 Brown street; H. H. Wehmeyer, 1004 West Lehigh avenue; Edw. Fay & Sons, 2 South Mole street; F. Roe Searing, Perry Building, all of Philadelphia; C. D. Burns, Bridgeport, Pa.; Connors Bros., 64 West Eighty-eighth street, New York City, are figuring.

Prison (alt. and add.), Holmesburg, Pa. Architect, P. H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prison Board, Tenth and Reed streets, Philadelphia. Brick and concrete, 2 stories, 56x60 feet, Ward Building, 1 story, 53x400 feet, slate and slag roof (electric light, steam heat and mechanical system and plumbing separate bids), asphalt floors, metal lath, enamel brick, damp-proofing. Owners taking bids, due March 31st. Same additional bidders as listed above.

Factory, Twenty-second and Sedgley avenue, Philadelphia. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Brick, 2 stories, 75x125 feet, slag roof, iron stairs. Architect taking bids, due March 30th. J. Richard Jackson, Perry Building, Philadelphia, is figuring.

Sunday School (alt. and add.), Broad and Diamond streets, Philadelphia. Architect, J. Franklin Stuckert, 112 South Forty-third st., Philadelphia. Owners, Bethlehem Presbyter-

ian Church, on premises. Stone, 2 stories, slag roof, electric lighting, steam heating, damp-proofing, bond. Architect taking bids, due April 3rd. Thomas C. Trafford, 1613 Sansom street; Stewart Bros., 2526 North Orkney street; George Kossler Cont. Co., Drexel Building; H. F. Werner, 3245 Germantown avenue, are figuring.

Club House, Overington and Griscom streets, Philadelphia. Architect, private plans. Owners, Frankford Checker Club, care of C. E. Outterson, 4509 Frankford avenue, Philadelphia. Brick, 2 stories and basement, slag roof, steam heating, electric lighting, 38x75 feet. Owners taking bids, due April 5th. Ketcham & McQuade, 1029 Brown street, Philadelphia, are figuring.

Warehouse, Forty-second and Haverford avenue, Philadelphia. Architect, John C. Norton, Bryn Mawr, Pa. Owner, Mrs. Elizabeth D. Melville, Forty-second and Haverford avenue, Philadelphia. Brick, 3 stories, 117x125 feet, slag roof, metal lath, bond, metal ceilings, metal frames and sash, waterproofing, electric lighting, hot water heating. Architect taking bids, due April 6th. The following are figuring: J. B. Flounders, 1329 Arch street; Charles Gilpin, Harrison Building; Cramp & Co., Denckla Building; Monaghan & Losse, 214 South Twelfth street; Sinclair & Driscoll, 1524 Chestnut street; Bailey Lush Co., 201 North Broad street; F. T. Mercer Co., 1706 DeLancey street; M. Roy Shoen, 450 North Wilton street; Humphrey Const. Co., 1618 Thompson street, Philadelphia.

Stores (2), Oak Lane, Philadelphia. Architect, private plans. Owner, Thomas Bernard, Oak Lane, Philadelphia. Brick, 1 story, 26x50 feet, slag roof, steam heating, electric lighting, metal lath. Owner taking bids, due March 31st. In addition to those previously reported, P. S. Waltz, Oak Lane; J. H. Dagny, Walter Beckman, E. B. McCall, all of Oak Lane, Philadelphia; H. E. Swoger, 4435 North Uber street, Philadelphia, are figuring.

Rectory, Cheltenham avenue, Germantown, Philadelphia. Architects, Baldwin & Pennington, Professional Building, Baltimore, Md. Owners, Immaculate Conception R. C. Church, care

of Rev. M. J. Higgins, 1045 East Cheltenham avenue, Germantown. Stone, 2½ stories, 47x70 feet, wing 15x26 feet, slate and slag roof, metal lath, yellow pine floors (heating and light reserved). Architects taking bids, due April 1st. In addition to those previously reported, Joseph McKenna & Sons, 1032 Race street; D. J. McNamee, 1621 North Fifteenth street; W. Beaumont, Stephen Girard Building; Joseph A. Codori, 1235 Arch street; O'Neill Co., 7811 Germantown avenue; J. H. Dagny, Oak Lane, all of Philadelphia, and D. M. Andrews Co., Baltimore, Md., are figuring.

Church (add.), Broad and Duncannon sts., Philadelphia. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, Holy Child R. C. Church, care of Rev. William J. McCaffrey, 5220 North Broad street, Philadelphia. Granite, 2 stories, 65x145 feet, slate roof, steam heating, electric lighting, marble work. Architect taking bids (revised), due March 31st. The following are figuring: William Steele & Sons, 1600 Arch street; H. P. Schenider, York road and Erie avenue; W. J. McShane, 417 South Thirteenth street; Melody & Keating, Bailey Building; Charles D. Burns, Bridgeport, Pa.; William R. Dougherty, 1610 Sansom street; Bailey Lush Co., 201 North Broad street, all of Philadelphia.

Store Building, 1221-1223 North Fifty-second street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, H. H. Schwarzman, on premises. Brick, 2 stories, 32x82 feet, slag roof, electric lighting, steam heating, metal ceilings. Owner taking bids. P. J. Hurley, 1233 Cherry street; Jacob Gorchov, 317 Reed street; Lam Building Co., 1001 Wood street; Seidman & Getz, 1312 North Sixth street, Philadelphia, are figuring.

Club House, Overington and Griscom streets, Philadelphia. Architect, private plans. Owners, Frankford Checker Club, care of C. E. Outterson, 4509 Frankford avenue, Philadelphia. Brick, 2 stories and basement, slag roof, steam heating, electric lighting, 38x75 feet. Owners taking bids, due April 5th. Barelay White Co., Perry Building; Thomas Little & Sons, 1713 Moravian street; John F. Davies, Heed Building; H. E. Batton, Twelfth and Sansom streets; Rimer & Byer, 4842 Haw-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

**BLUE
PRINTS**

KEYSTONE PHONE, MAIN 497

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



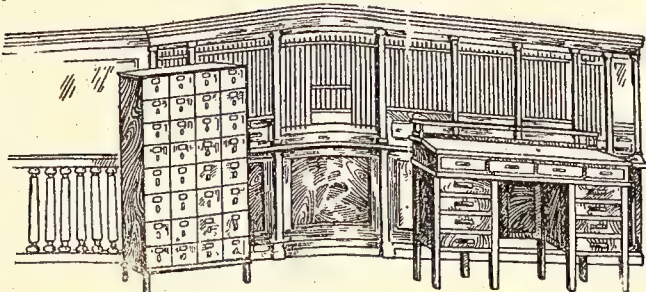
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

thorne street; James Orr, 7040 Torresdale avenue; C. West, 1034 Herbert street, all of Philadelphia, are figuring.

Power House, Thirty-fifth and Gray's Ferry road, \$15,000. Engineers, Wadleigh & Osbourn, Real Estate Trust Building. Owners, Harrison Bros., on premises. Brick, steel and concrete, 1 story, 57x47 feet, slag roof. Engineers taking sub-bids on all lines except steel work.

Factory (add.), Hutchinson and Oxford sts. Architect, Fred T. Ritter, Seventh and Dauphin streets. Owners, Ritter Manufacturing Co., 313 Green street. Brick, 4 stories, slag roof, electric light. Architect has received bids.

Buildings (2) (alt.), Broad and Chestnut streets, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, John Wanamaker, Thirteenth and Market streets, Philadelphia. Brick, stone and steel, fireproof, new store front, electric lighting, steam heating, parquet floors, metal lath, safety treads, iron stairs, waterproofing. Architect has received bids.

Factory, Columbia avenue and Hancock st., Philadelphia. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, D. L. & H. W. Short & O. W. Brenizer, 45 South Front street, Philadelphia. Brick, 2 stories, 60x128 feet, slag roof, composition floors (heating and lighting reserved). Architect has received bids.

Residence, Oak Lane, Philadelphia. Architect, A. K. Holland, 3922 Franklin street, Philadelphia. Owner, Rev. W. B. Lower, Wyncote, Pa. Brick and plaster, 2½ stories, 18x42 feet, slate roof, hot water heating, gas and electric lighting. Architect taking bids, due March 31st. The following are figuring: J. E. Reilly, Oak Lane; Krewson Bros., Glenside, Pa.; Joseph Scott, 3933 North Eighth street; George A. Sorber & Sons, 18 Harvey street; L. D. Stites, 126 Herman street; Kohl & Megargee, 101 East Washington lane, all of Philadelphia.

Residences (14), Ann and Memphis streets, Philadelphia, \$19,600. Architect, private plans. Owner, David McKibben, 2900 Frankford avenue, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, electric and gas light, hot air heating. Owner is taking sub-bids.

Church, Broad and Ruscomb streets, Philadelphia, \$60,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Muhlenberg Memorial Lutheran Church, Rev. Jerome M. Guss, 5125 North Marvine

street. Stone, 1 and 2 stories, slate roof, steam heating, electric light. Plans in progress.

Church, Twenty-fifth and Indiana avenue, Philadelphia. Architect, George E. Savage, Witherspoon Building. Owners, East Park Presbyterian Church, Rev. Howard C. Cooper, 2814 North Twenty-fifth street, Philadelphia. Stone, 1 story, 40x84 feet, slate roof, steam heating, electric light. Architect taking bids, due April 3rd. The following are figuring: Alexander Chambley, 243 South Tenth street; Thomas C. Trafford, 1613 Sansom street; E. E. Hollenback, Fifteenth and Race streets; Steward Bros., 2526 North Orkney street; F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Factory (add.), Ontario and Janney streets, Philadelphia. Architect, private plans. Owners, Boger & Crawford, on premises. Brick and concrete, 2 stories, 40x125 feet, slag roof (heating and lighting reserved), metal frames and sash. Owners taking sub-bids.

Building (alt. and add.), Germantown avenue and Springer street, Philadelphia. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owners, Evangelical Lutheran Church. Stone and plaster, 1 story, 18x28 feet, tin roof, electric lighting. Architect has received bids.

Factory, Wheatsheaf lane and Cedar street, Philadelphia. Architect, Ed. A. Devlin, 2443 East Sargent street, Philadelphia. Owners, Independent Manufacturing Co., care of Mr. Smith, 3017 Edgemont street. Brick, 2 stories, 33x53 feet, slag roof, electric lighting. Plans in progress. Owners will take bids.

Loft Building, Eleventh and Brandywine streets. Architects, Day & Klauder, 925 Chestnut street. Owners, Ed. J. Schoettle Co., 237 North Sixth street. Brick, steel and concrete, 8 stories, 100x112 feet, slag roof, electric lighting, steam heating, metal frames and sash, waterproofing, iron stairs, safety treads. Architect taking bids, due April 5th. The following are figuring: Turner Concrete Steel Co., 1713 Sansom street; William Steel & Sons, Sixteenth and Arch street; Stacy Reeves & Sons, 2011 Market street; Roydhouse-Arey Co., Fidelity Building; Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; Barclay White Co., Perry Building; Pomeroy Const. Co., 1609 Ranstead street; Harrison C. Rea Co., 1027 Wood street; H. H. Burrell, 206 South Quince street; J. Myers & Sons, Witherspoon Building; W. R. Dougherty, 1608 Sansom street; Thomas M. Seeds, Jr.,

UNITAS TILING

A non metallic substitute for tile and wood

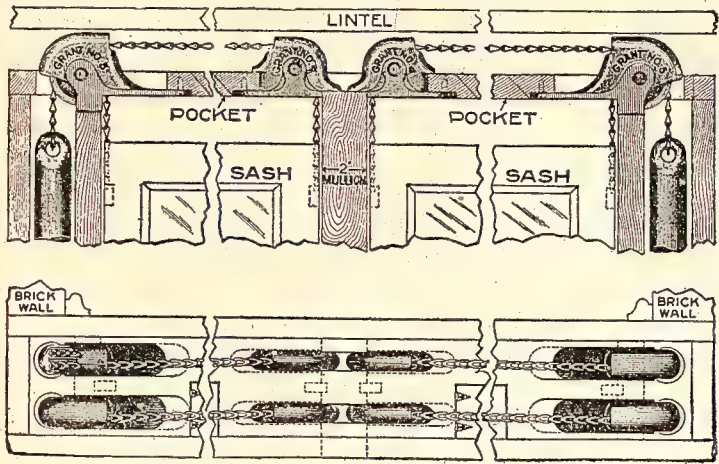
Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

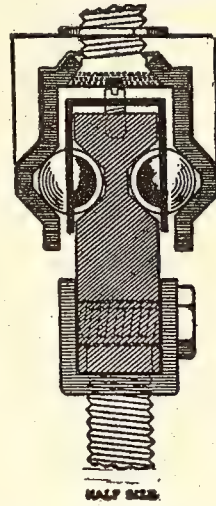
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

1207 Race street; Doyle & Co., 1519 Sansom street, Philadelphia; Aberthaw Const. Co., Boston, Mass.

Sunday School, Sixteenth and Wingohocking streets. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Mt. Hermon Reformed Church, Rev. C. B. Alspach, 1538 Wingohocking street. Stone, 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Synagogue (add.), 980 North Marshall st., Philadelphia. Architect, J. Feldstein, Hale Building, Philadelphia. Owner, B. Bricklan, Pres., 1526 North Fourth street, Philadelphia. Brick, 2 stories, consists of new balcony and interior alteration and addition. Plans in progress.

Stable and Garage, Thirty-third and Wallace streets, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Laundry, Pennsylvania Laundry Co., 319 North Thirty-second street, Philadelphia. Brick, 1 story, 45x170 feet, slag roof, electric lighting, steam heating, gasoline storage. Plans in progress.

Garage, Fern Rock, Philadelphia. Architect, Wesley L. Blihte, 618 Chestnut street, Philadelphia. Owner, J. B. Miller, Fern Rock, Philadelphia. Stone, 2 stories, 25x34 feet, slag roof, electric light, hot water heating. Architect taking bids, due April 3rd. The following are figuring: B. A. Waltz, Oak Lane; C. E. Lloyd, Oak Lane; W. John Stevens, Wyncote, Pa.; J. Johnson, 1721 Ludlow street; H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Store Building, 1213 Walnut street, Philadelphia. Architect, private plans. Agent, Harry J. Koehler, New Stock Exchange Building. Brick and stone, 4 stories, 25x225 feet, electric light, steam heating, oak floors. Builder, Charles Long, 4155 North Fairhill street, is taking sub-bids.

Garage, Frankford avenue, north of Dyre street, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, H. J. Beck, 3033 Rhawn street, Philadelphia. Brick, 1 story, 40x120 feet, slag roof, steam heating, electric lighting, gasoline storage system. Architects have received bids.

Garage, Twentieth and Glenwood avenue, Philadelphia. Architect, private plans. Owner, C. F. McGuigan, Nineteenth and Hunting-

don streets, Philadelphia. Brick, 2 stories, 40x50 feet, slag roof, electric lighting (heating reserved). Revised plans in progress.

Warehouse, 919 Arch street, Philadelphia. Architects, William Steele & Sons, 1600 Arch street, Philadelphia. Owners, Asam Bros, 919 Arch street, Philadelphia. Concrete and brick, 40x150 feet, slag roof, electric lighting, steam heating, waterproofing, safety treads. Builders, William Steele & Sons, 1600 Arch street, Philadelphia, taking sub-bids.

Residences (98), Second and Westmoreland streets. Architect, private plans. Owner, Fred W. Storch, 1712 Wolf street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, electric light, hot air heat, oak floors. Owner taking sub-bids.

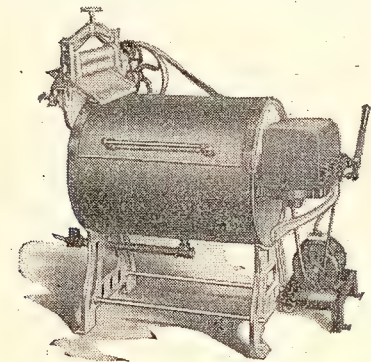
Store and Apartments (alt. and add.), 2751 Germantown avenue, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, R. Kanter, 2751 Germantown avenue, Philadelphia. Brick, 3 stories, 17x72 feet, slag roof, electric lighting, hot air heating, oak floors. Architect has received bids.

Store and Hall Building, Sixty-second and Woodland avenue, Philadelphia, \$15,000. Architect, H. M. Pedrick, Post Office Building, Darby, Pa. Owner, Charles E. Fletcher, 2144 South Simpson street, Philadelphia. Brick and stone, 2 stories, 30x119 feet, slag roof, steam heating, electric lighting, tile floors, metal metal lath. Owner is taking sub-bids.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City



Residence of Mr. Geo. D. Pratt, Glen Cove, L. I.
Trowbridge & Ackerman, Arch. Chas. T. Wills, Inc., Bids.

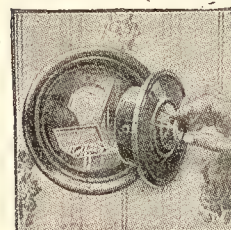
THE entire exterior surface of this granite residence waterproofed against driving rains by our colorless treatment without discoloring.

THE AQUABAR COMPANY
Waterproofing Engineers & Contractors
Philadelphia, Pa.

MEILINK WALL SAFES

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.



R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

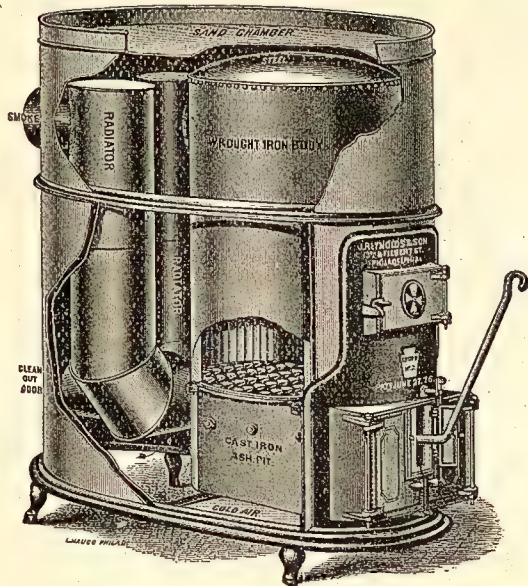
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON

Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company

SPEED AND SATISFACTION

1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms
2018-18-20 Ranstead Street

Philadelphia
Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, Germantown, Philadelphia. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Jos. Gross, Morris Building, Philadelphia. Stone, 2½ stories, 27x45 feet, wing 13x17 feet, slate roof (heating, lighting and plumbing reserved), oak floors. Contract awarded to Moore & Graham, 6324 Wissahickon avenue, Philadelphia.

Saloon and Residence, Twenty-first and Winter streets, \$5,500. Architect, W. G. Rodgers, 6216 Jefferson street. Owner, John Franey, 118 North Twenty-first street. Brick, 1 story, 18x24 feet, slag roof, electric lighting, steam heating (tile work and fixtures reserved). Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Store Building (alt.), 1730-32 Market st., Philadelphia, \$1,500. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, W. B. Levis, 1518 Market st., Philadelphia. New front, interior alteration and addition, slag roof, tile work, oak floors, metal lath, dampproofing, electric lighting (heating reserved). Contract awarded to Basch & Co., 1426 South Front street, Philadelphia.

Church, Fitzwater and Martin streets, Philadelphia, \$50,000. Architects, C. W. Bolton & Sons, Witherspoon Building, Philadelphia. Owners, Union Baptist Church (Colored), Twelfth and Bainbridge streets. Stone and terra cotta, 1 story, 80x115 feet, slate roof, electric lighting, steam heating. Contract awarded Harrison C. Rea Co., 1027 Wood street, Philadelphia.

Residence (alt. and add.), 111 East Mermaid lane, Philadelphia \$845. Architect, Robert R. Goodwin, 34 South Sixteenth street, Philadelphia. Owner, John Marsden, on premises. Brick, 1 story, 12x27 feet, tin roof, electric lighting, tile floors. Contract awarded to J. E. Walt, 204 East Willow Grove avenue, Chestnut Hill, Pa.

Residence, Germantown, Philadelphia. Architect, A. R. Holland, 3922 Franklin street, Philadelphia. Owner, E. W. Saybolt, 3139 Camac street, Philadelphia. Brick and plaster, 2½ stories, 26x40 feet, slate roof, electric lighting, oak floors, hot water heating. Contract awarded to L. D. Stites, 126 Herman street, Germantown.

PENNSYLVANIA

Construction News

Residence (alt.) and Garage, Ridley Park, Pa. Architects, Bunting & Shrigley, 608 Chestnut street, Philadelphia. Owner, Colonel G. F. Hamlin, Ridley Park, Pa. Brick, 1½ stories, 20x28 feet, slate roof, electric lighting, hot water heating, gasoline storage. Architect taking bids, due March 31st. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; Nolan Bros., H. Lewis Morris, both of Chester, Pa.; John R. Price, Ridley Park, Pa.

Residence (alt. and add.), Ridley Park, Pa. Architects, Bunting & Shrigley, 608 Chestnut street, Philadelphia. Owner, Mrs. J. D. Shattuck, Ridley Park, Pa. Brick and frame, 1

story (heating and lighting reserved). Architects taking bids, due March 31st. Pomeroy Const. Co., 1609 Ranstead street, and Nolan Bros. and H. Lewis Morris, both of Chester, Pa., are figuring.

Residence, Lansdowne, Pa. Architect, Arthur Behr, 6017 Master street, Philadelphia. Owner, J. H. Shaw, 440 South Fifty-fifth st., Philadelphia. Stone, 1½ stories, 34x48 feet, slate roof, hot water heating, electric lighting, oak floors. Architect taking bids, due March 29th. The following are figuring: Harry Davis, 5100 Westminster avenue; Davidson & Sons, Llanerch, Pa.; Pomeroy Const. Co., 1609 Ranstead street, all of Philadelphia.

LIGHTING FIXTURES

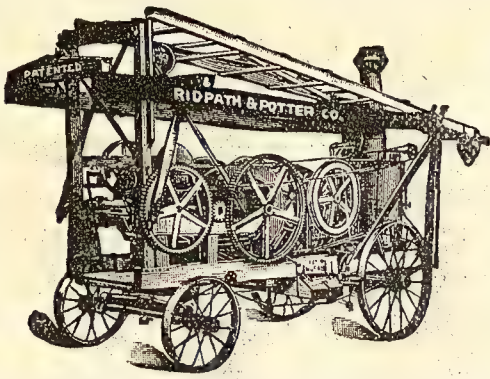
In our show rooms you will find a complete line of **LIGHTING FIXTURES**

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.



EXPERIENCE and
organization enable us to
execute building contracts
thoroughly.

Strict attention to details
of heavy construction or
artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*

Residence, Wyneefield, Pa. Architect, private plans. Owner, Charles A. Kessler, Drexel Building, Philadelphia. Hollow tile and plaster, 2½ stories, 32x32 feet, shingle roof, electric lighting, hot water heating (floors reserved). Builders, George Kessler Cont. Co., Drexel Building, Philadelphia, are taking sub-bids.

Y. M. C. A., Abington, Pa., \$50,000. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owners, Y. M. C. A., Abington, Pa. Brick and terra cotta, 2 stories, 64x40 feet and 20x60 feet, asbestos and slate roof, waterproofing, enameled bricks (heating, electric work and lockers reserved). Architect taking bids, due April 5th. The following are figuring: Abel Bottoms & Sons Co., 41 South Fifteenth street; R. C. Ballinger & Co., 218 North Thirteenth street; William R. Dougherty, 1610 Sansom street; William J. Gruhler & Co., 219 East High street; F. L. Hoover & Sons, 1023 Cherry street; Charles McCaul Co., 1713 Sansom street; Stokes Bros., 6723 Musgrave street; H. E. Grau Co., 1707 Sansom street; Stacy Reeves & Sons, 2011 Market street, all of Philadelphia, and E. D. Lever, Abington, Pa.

Sunday School, Harrisburg, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia, care of John A. Haas, Secretary, Harrisburg, Pa. Stone, 2 stories, slag roof, steam heat, electric light. Owners are ready for bids.

Church (Renovation), Lehigh, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Zion Reformed Church, Lehigh, Pa. Consists of alterations to present buildings for Sunday School, new stone front, electric light. Owners are taking bids.

Church (alt.), Bloomsburg, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, First Presbyterian Church, Bloomsburg, Pa. Consists of redecoration, furnishing, etc. Owners are taking bids.

Store Building, Reading, Pa., \$45,000. Architect, H. J. Maurer, 33 North Sixth street, Reading, Pa. Owner, J. L. Huye, Lancaster, Pa. Brick and terra cotta, 4½ stories, 30x270 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

School Building, West Reading, Pa., \$50,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Borough of West Reading. Brick, 2½ stories, 168x43 feet and 44x70 feet, composition roof, slate blackboards. Revised plans in progress.

Store Building (alt. and add.), Lebanon, Pa.,

\$8,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, George Krouse Hardware Co., Lebanon, Pa. Brick, 1 story, 20x40 feet, Carey's roof, electric lighting, metal frames and sash. Owners are subletting all contracts.

Sunday School, Allentown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. James' Lutheran Church, Reading, Pa. Stone and brick, 2 stories, 52x70 feet, slate and tin roof, steam heating, electric lighting. Owners taking bids.

Dormitory, State College, Pa., \$6,500. Architect, Wayne High, 416 Penn street, Reading, Pa. Owner's name withheld. Brick, 3 stories, 41x35 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in one week.

School, Shoemakersville, Pa., \$18,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Board of Education of Perry Township, Hamburg, Pa. Brick, 2 stories, 73x69 feet, slate roof, hot air heating, electric lighting, slate blackboards. Plans in progress.

School (add.), Mt. Penn, Pa., \$12,000. Architect, H. J. Maurer, 33 North Sixth street, Reading, Pa. Owners, Mt. Penn School District, C. H. Wieand, President, 612 Court street, Reading, Pa. Brick, 2½ stories, 68x45 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing, slate blackboards. Owners are ready for bids.

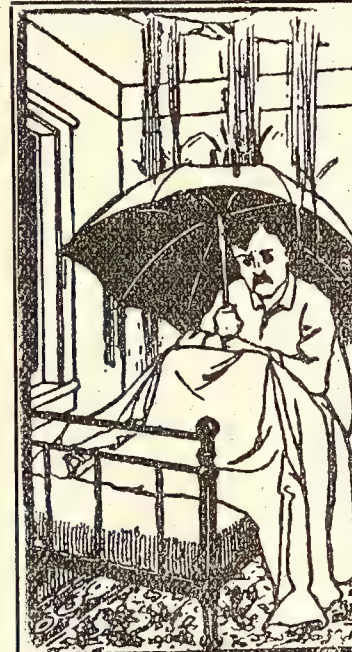
Residence (alt. and add.), Kutztown, Pa., \$3,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Dr. W. S. Bieher, Kutztown, Pa. Brick, 2½ stories, 44x60 feet, metal tile roof, electric lighting, tile work, metal lath. Owner taking sub-bids.

Lodge Building (alt. and add.), Oley, Pa., \$2,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Knights of Golden Eagles, Oley, Pa. Brick, 3 stories, 48x74 feet, tin roof, electric lighting, metal lath. Architect ready for bids.

Store, Pottsville, Pa. Architect, Francis X. Reilly, Pottsville, Pa. Owner, William S. Cowen, Pottsville, Pa. Brick, 3 stories, 22x28 feet, fireproof, slag roof, metal lath, metal frames and sash (heat and light reserved). Architect has received bids.

Residence and Garage, Merion, Pa. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owner, John F. Braun, Real Estate Trust Building, Philadelphia. Stone, 3 stories, slate roof, electric lighting (heating undecided), hardwood floors. Plans in progress.

Residence (alt. and add.), Villa Nova, Pa.,



**Does Your
Roof Leak?**

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

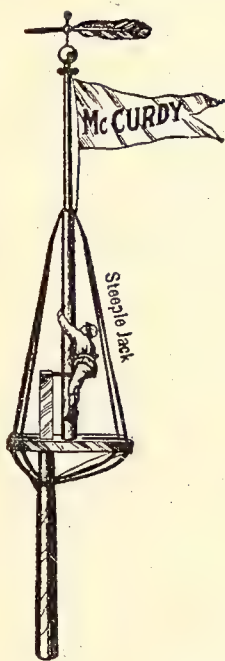
OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

"Windustite" Metal Weather Strips

Save Fuel. Keep out Dust.
Afford Protection against Drafts.
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.
S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue Philadelphia, Pa.



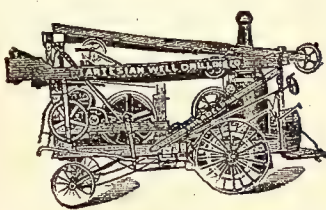
FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

**STEEPLEJACK
CANVAS ROOFING
BERNARD McCURDY**

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
114 N. 2nd St., Phila.

Architects, Broekie & Hastings, 1713 Sansom street, Philadelphia. Owner, P. Hollingsworth Morris, Villa Nova, Pa. Stone, 2½ stories, 20x20 feet, slate roof, electric lighting, oak floors, hot water heating. Contract awarded to Gray Bros., Rosemont, Pa.

Residence, Lansdowne, Pa. Architects, Morris & Erskine, Crozier Building, Philadelphia. Owner, Thomas Satterthwait, Lansdowne, Pa. Stone and frame, 2½ stories, 38x76 feet, slate roof, canvas roof (hot water heat, electric lighting reserved). Architect taking bids, due March 31st. The following are figuring: R. C. Ballinger Co., 218 North Thirteenth street; H. E. Grau Co., 1709 Sansom street; F. B. Davis, 240 North Sixteenth street; H. G. Carson, 205 South Forty-second street, all of Philadelphia; B. F. Willard, West Grove, Pa.; J. W. Meckert & Sons, Ridley Park, Pa.; J. K. Ingram, Lansdowne, Pa.; H. L. Roberts, Lansdowne, Pa.; Charles Moore, Lansdowne, Pa.

Residence, Villa Nova, Pa. Architects, Brickie & Hastings, 1713 Sansom street, Philadelphia. Owner, Mrs. Howard H. Ellison, Jr., 1953 Locust street, Philadelphia. Brick, stone or hollow tile, 2½ stories, 32x128 feet, shingle or slate roof, canvas roof, weather striped, oak floors (heat and light reserved). Architects taking bids, due April 5th. The following are figuring: J. P. Thompson, Real Estate Trust Building, Philadelphia, Pa.; Gray Bros., Rosemont, Pa.; J. D. Dingle, Wayne, Pa.; William H. Eddleman & Sons, 453 Green lane, Germantown; H. L. Brown, 1714 Sansom street; H. H. Burrell, 206 South Quince street; George & Borst, 277 South Eleventh street, Philadelphia.

Residence, Highland Park, Pa. Architect, Wesley L. Blithe, 618 Chestnut street, Philadelphia. Owner, Joseph Horton, Lansdowne, Pa. Stone and frame, 2½ stories, 30x40 feet, shingle roof, electric light, hot air heat, oak floors, canvas roof. Plans in progress.

School, Coatesville, Pa., \$110,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Coatesville, Pa. Brick, fireproof, 3 stories, 136x138 feet, composition roof, composition floors (heating, lighting and plumbing reserved), safety treads, metal lath, weather strips. Lowest bid submitted by W. J. Elliott, Coatesville, Pa., \$86,985.

Church (alt. and add.), Coatesville, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Coatesville M. E. Church, Coatesville, Pa. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

Reservoir Covering, Spring City, Pa. Architect, P. H. Johnson, Land Title Building, Philadelphia. Owners, Pennsylvania State Hospital for Feeble Minded, Harrisburg, Pa. Concrete and steel, 1 story, 105x105 feet, cement tile and composition roof, waterproofing, iron fence. Lowest bid submitted by Geo. B. Clopp, 3207 Spring Garden street, Philadelphia.

Boys' Club, Harrisburg, Pa. Architects, Zantinger, Borie & Medary, northeast corner Fifteenth and Walnut streets, Philadelphia. Owners, John Y. Boyd Memorial Boys' Club, care of Thomas Wierman, Harrisburg, Pa. Brick, 3 stories, 100x50 feet, slate roof (heating and electrical work reserved). Architects taking bids, due April 2nd. The following are figuring: Pringle Borthwick, 8018 Germantown avenue; Pomeroy Const. Co., 1609 Ransstead street; Metzger & Fisher, Denckla Building; F. L. Hoover & Sons, 1023 Cherry street, all of Philadelphia; Charles W. Lady, J. A. McKelvey, H. A. Hipple, all of Harrisburg, Pa.; W. E. Bushey, Lemoyne, Cumberland County, Pa.; Titzel Const. Co., Lancaster, Pa.; H. C. Wright, Steelton, Pa.

Residence, Merion, Pa. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, William H. Steigerwalt, Merion, Pa. Stone and plaster, 2½ stories, 50x107 feet, slate roof, electric lighting, vapor vacuum heating, oak floors, metal lath. Owner taking sub-bids.

Residence (alt. and add.), Wyncote, Pa. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, I. K. Mirkil, Wyncote, Pa. Frame, 2½ stories, electric lighting, oak floors, shingle roof. Architect taking bids, due March 30th. The following are figuring: W. John Stevens, Wyncote, Pa.; H. E. Grau Co., 1707 Sansom street; J. Sims Wilson, 1125 Brown street; Laughlin F. McNeill, 1713 Sansom street; I. A. Dunkelberger, 71 E. Herman street, Philadelphia.

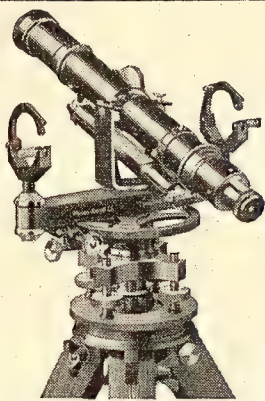
School, Gwynedd Township, Pa., \$10,000. Architects, Conner & Slifer, Lansdale, Pa. Owners, Gwynedd Township School Board, care of Dr. Pearce Lakin, Lansdale, Pa. Brick, stone and terra cotta, 1½ stories, 45x100 feet, slate and slag roof, waterproofing and damp-proofing (heating separate bids). Owners have received bids.

Residence and Garage, Moreland Township, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Paul Synnestvedt, Commonwealth Building, Philadelphia. Stone, 2½ stories, 27x78 feet, shingle roof, vapor vacuum heating, electric lighting, oak floors. Architects have received bids.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



STOP WASTING VALUABLE TIME

worrying along without an instrument or worse yet—with one that is complicated, worn out or unreliable!
Be UP-TO-DATE! Safeguard your reputation and your profits by checking all lines and grades with a 1915 Model

"Sterling" Convertible Level

An examination of this splendid, ALL-PHILADELPHIA-MADE product will convince you that it is the most PRACTICAL, SERVICEABLE and EFFICIENT Level made!

Designed and Made by

WARREN-KNIGHT COMPANY

136 N. TWELFTH STREET

PHILADELPHIA
"World's Greatest Workshop"

School, Johnsonburg, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of J. P. Brophy, President, Johnsonburg, Pa. Brick and stone, fireproof, 2 stories and basement, 80x116 feet, slag roof (electric light, steam heating, plumbing and ventilating system reserved). Owners taking bids, due April 5th. The following are figuring: Hyde-Murphy Co., A. S. Miller & Sons, Ridgway, Pa.; Cuthbert Bros. Co., Beesmer Building, Pittsburg, Pa.; Henry Shenk Co., Erie, Pa.

Cottage (No. 1), Laurelton, Pa., \$25,000. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, Pennsylvania Village for Feeble Minded Women. Stone, fireproof, 2½ stories, 53x68 feet, slate and slag roof, composition floors, metal lath, safety treads (heating, lighting, plumbing separate bids). Owners taking bids, due April 9th. I. T. Shoemaker, 1309 Walnut street, Philadelphia, is figuring.

Store and Apartments, Stroudsburg, Pa., \$25,000. Architect, William M. Michler, Easton, Pa. Owner, A. R. J. Wallace, Stroudsburg, Pa. Brick, 3 stories, 40x150 feet, slag roof, steam heating, electric lighting. Owner taking bids.

Residences (7), Easton, Pa. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owner, W. R. Haycock, Lehigh street, Easton, Pa. Brick, 3 stories, slate and slag roofs, hot water heating, electric lighting. Owner taking sub-bids.

Residence, Stroudsburg, Pa., \$12,000. Architect, William M. Michler, Easton, Pa. Owner, J. R. Brown, Stroudsburg, Pa. Brick, 2½ stories, 40x28 feet, slate roof, hot water or steam heating, gas and electric lighting, tile work, hardwood floors. Plans completed. Owner ready for bids.

Twin Residence, Easton, Pa., \$10,000. Architect, William M. Michler, Easton, Pa. Owner, Dr. J. B. Zeller, Easton, Pa. Brick, 2½

stories, 46x45 feet, slate roof, hot air heating, gas and electric lighting, hardwood floors. Architect has received bids and will award contract in a few days.

Residence, Easton, Pa. Architect, J. J. Weitzenfeld, Northampton Bank Building, Easton, Pa. Owner, William R. Strunk, 1911 Lehigh street, Easton, Pa. Brick, 2 stories, 32x30 feet, slate roof, hot water heating, electric lighting. Architect taking bids, due April 3rd. The following are figuring: William Snyder, Lewis Folkner, Central Construction Co., Samuel Snyder, all of Easton, Pa.

Store and Apartments (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, Northampton Bank Building, Easton, Pa. Owner, H. Klibansky, Easton, Pa. Brick, 3 stories, 30x65 feet, slag roof, steam heating, electric lighting. Plans in progress.

Convent Building, West Conshohocken, Pa. Architect, George I. Lovatt, 418 Walnut st., Philadelphia. Owner, St. Gertrude's R. C. Church, West Conshohocken, Pa. Brick and stone, 3 stories, 36x60 feet, slate roof (heating and lighting reserved). Architect taking bids, due April 5th. The following are figuring: Charles D. Burns, Bridgeport, Pa.; Wm. R. Dougherty, 1610 Sansom street; Wm. J. McShane, 417 South Thirteenth street, Philadelphia; Richard Harper, John Havener, A. Noblitt, all of West Conshohocken, Pa.

Bungalow, Bethlehem, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, H. H. Greiner, Bethlehem, Pa. Logs, 1 story, 50x64 feet. Owner is taking bids.

Residence, Bethlehem, Pa. Architect, C. E. Schermerhorn, 450 Walnut street, Philadelphia. Owner, H. H. Greiner, Bethlehem, Pa. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting. Plans in progress.

PENNSYLVANIA

Contracts Awarded

Bridge, Harrisburg, Pa. Architect, private plans. Owners, Pennsylvania Railroad Co., G. N. Kennedy, Chambersburg, Pa. Concrete and steel, 32x3,995 feet, waterproofing. Contract awarded to Robert Grace Contracting Co., Smithfield street, Pittsburg, Pa.

Sunday School, Pittston, Pa., \$30,000. (Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, First Presbyterian Church, Pittston, Pa. Stone, 2 stories, slate

roof, steam heating, electric light. Contract awarded to A. A. Jury, Bloomsburg, Pa.

Infirmery, Shillington, Pa., \$9,000. Architect, H. J. Maurer, 33 North Sixth street, Reading, Pa. Owners, Berks County Commissioners, Court House, Reading, Pa. Brick, 2 stories, 24x40 feet, slate roof, cement floors, metal lath (plumbing, heating and electric work owners taking bids). Contract awarded to Charles H. Schlegel, Mt. Penn, Pa.

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street

PHILADELPHIA - PA.

Have Your Gas
Range @ the Other
Gas Appliances
Inspected @
Repaired

NOW!

We make no charge for inspection.

If new parts are needed you will be quoted a price covering merely the retail price of the materials.

It is better to do this now than wait until house-cleaning time.

Call, Write or Telephone

**THE UNITED GAS
IMPROVEMENT CO.**

HARRY C. EISENBISE CO.
Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

**The Broomell System
of Vapor Heating**

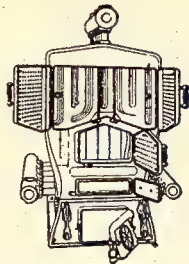
The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. *It will pay you to investigate.*

VAPOR HEATING CO., HARTMAN BLDG.
YORK : PA.

NEW JERSEY

Construction News

=MILLS=



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

Best by test.

Ask for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

Residence, Swarthmore, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Dr. William A. Jaquette, Flanders Building, Philadelphia. Hollow tile and plaster, 2½ stories, 22x43 feet, wing 24x16 feet, shingle roof, electric lighting, warm air heating, oak floors. Contract awarded to J. W. Meckert, Ridley Park, Pa.

Residence (alt. and add.), Bryn Mawr, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, A. E. McVitty, Bryn Mawr, Pa. Consists of new sleeping porch and general alterations, canvas roof, electric lighting, tile work (heating reserved). Contract awarded to Gray Bros., Rosemont, Pa.

Residence (alt. and add.), Bryn Mawr, Pa., \$2,500. Architect, Hoffman Co., Juniper and Market streets, Philadelphia. Owner, George H. Earle, Jr., Real Estate Trust Building, Philadelphia. Composition floors, tile work, plumbing, electric lighting, painting and general repairs. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Garage, Latham Park, Pa. Architect, P. J. Klinges, 1012 Walnut street, Philadelphia. Owner, Harry Terry, care of architect. Stone, 1½ stories, 25x36 feet, slate roof, electric lighting (heating reserved). Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Parish House and Rectory, Lancaster, Pa. Architect, William C. Prichett, 418 Walnut street, Philadelphia. Owners, St. John's Episcopal Church, care of W. O. Marshall, 523 West Chestnut street, Lancaster, Pa. Brick, 3 stories, 40x60 feet, slate roof, electric lighting (heat and plumbing separate bids). Contract awarded to Herman Wohlsen, Lancaster, Pa.

Stores and Apartments, Ardmore, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Dr. J. V. Slaughter, Ardmore, Pa. Brick, 3 stories, 60x90 feet, slag roof, steam heating, electric lighting. Contract awarded to A. L. Fretz & Sons, 1222 Chancellor street, Philadelphia.

Residence (alt. and add.), Haverford, Pa., \$1,500. Architects, Hoffman & Co., Juniper and Market streets, Philadelphia. Consists of walls, walks and grading, waterproofing. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Residence, Atlantic City, N. J. Architects, Hoffman Co., Juniper and Market streets, Philadelphia. Owner, George H. Earle, Jr., Real Estate Trust Building, Philadelphia. Brick, terra cotta and hollow tile, 2½ stories, 38x41 feet, wing 18x20 feet, tile and gravel roof, electric lighting, steam heating, waterproofing and dampproofing, composition floors. Architects taking bids, due April 1st. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Lam Building Co., 1001 Wood street; E. L. Hoover & Sons, 1023 Cherry street; Freund-Seidenbach Co., Bulletin Building, all of Philadelphia; W. S. Higbee, 112 South Carolina avenue, Atlantic City, N. J.; P. G. Hannum, 16 North Georgia avenue, Atlantic City, N. J.

Sunday School (alt.), Haddonfield, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, First Baptist Church, Haddonfield, N. J. Brick, 2 stories, slate roof, vapor heating, electric lighting. Architect taking bids, due April 12th. The following are figuring: George L. Sipps, 907 Locust street; E. E. Hollenback, Fifteenth and Race streets; Smith-Hardican Co., 1606 Cherry street, all of Philadelphia; J. W. Draper, Camden, N. J.; W. S. Capern, Haddonfield, N. J.

Residence (alt. and add.), Pemberton, N. J. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owner, Theodore H. Budd, Pemberton, N. J. Brick and plaster, 2½ stories, hot water heating, electric lighting, oak floors. Plans in progress. Bids in ten days.

Church, Barrington, N. J. Architects, Chas. Bolton & Sons, Witherspoon Building, Philadelphia. Owners, First Presbyterian Church of Barrington, N. J. Stone, 1 story, 60x85 feet, slate roof, electric light, steam heat. Architect taking bids, due April 5th. The following are figuring: G. W. Shaner, Palmyra, N. J.; William Conger & Sons, Haddon Heights, N. J.; H. Ervold, Haddon Heights, N. J.; Chas. Doughty, Collingswood, N. J.; W. Wrixford, 525 Market street, Camden, N. J.

Factory, Collingswood, N. J. Architects and builders, William Steele & Sons Co., Sixteenth and Arch streets, Philadelphia. Owners, Enterprise Wall Paper Co., Collingswood, N. J. Brick and concrete, 2 stories, 65x275 feet, slag roof, electric lighting, steam heating. Plans in progress.

Bungalow, Mount Holly, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Harold Horner, Mount Holly, N. J. Hollow tile and plaster, 1 story, 28x74 feet, shingle roof (farm air heating and electric lighting reserved). Owner ready for sub-bids.

Sunday School, Camden, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Parkside M. E. Church, Rev. F. E. Folsom, Atlantic City, N. J. Stone, 2 stories, slate roof, vapor heating, electric lighting. Plans in progress.

School, Scullville, N. J., \$15,000. Architect, Bertram Ireland, Bartlett Building, Atlantic City, N. J. Owners, Board of Education of Egg Harbor Township, Egg Harbor, N. J. Brick, limestone trimmings, 2½ stories, 32x70 feet, slate roof, hot air and steam heating, slate blackboards. Owners taking bids, due April 8th. The following are figuring: Chas. Corson, Alex. W. Dick, E. Ellsworth Smith, Philip G. Hannum, Charles Shephard, Jess Yates, W. B. Porch, Clayton Shappell, all of Atlantic City, N. J., and William Lehr, Linwood, N. J.

Residence, Egg Harbor, N. J., \$5,000. Architect, W. S. Hewitt, Bartlett Building, At-

lantic City, N. J. Owner, Theodore F. Baulig, Egg Harbor, N. J. Cement blocks and frame, 2 stories, 39x27 feet, slate roof, hot water heating, gas and electric lighting, tile work. Plans in progress.

Apartment House, Atlantic City, N. J., \$6,300. Architect, private plans. Owner, William J. Hoy, Pleasantville, N. J. Brick, 3 stories, 25x54 feet, slag roof, hot water heating, gas and electric lighting. Owner is sub-letting all contracts.

Factory and Film Studio, Absecon, N. J., \$25,000. Architect, J. V. Mathis, Bartlett Building, Atlantic City, N. J. Owners, Acme Film Producing Co., care of Reuben L. Babcock, Bartlett Building, Atlantic City, N. J. Steel, concrete and hollow tile, 1 and 2 stories, 75x150 feet and 50x75 feet, slag roof, hot water heating, cement floors, electric lighting. Architect ready for bids.

Residence, Ventnor, N. J., \$3,500. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owners, Colonial Investment Co., Bartlett Building, Atlantic City. Brick and stucco, 2 stories, 28x32 feet, slate roof, hot water heating, gas and electric lighting. Plans in progress.

Residences (2), Ventnor, N. J., \$7,000. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owners, Colonial Investment Co., Bartlett Building, Atlantic City. Brick and stucco, 2 stories, 25x32 feet each, slate roof, hot water heating, gas and electric lighting. Plans in progress.

Residence, Atlantic City, N. J., \$4,500. Architect, private plans. Owner, Joel Mason, 3825 Atlantic avenue, Atlantic City, N. J. Brick, 3 stories, 26x43 feet, asbestos shingle roof, hot water heating, gas and electric lighting. Owner is sub-letting all contracts.

Twin Residences (3), Atlantic City, N. J., \$30,000. Architect, private plans. Owner, Benjamin R. Fox, Drexel Apartments, Atlantic City, N. J. Brick, 2 stories, 35x72 feet, slag roof, hot water heating, gas and electric lighting. Owner is sub-letting all contracts.

Post Office, Plainfield, N. J. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S. Government, Washington, D. C. Stone and brick, fireproof, 1 story, 95x96 feet, slag roof, electric lighting, steam heating, metal lath, dampproofing, waterproofing. Owner taking bids, due April 2nd. The following are figuring: J. S. Rogers Co., Moorestown, N. J.; Charles Gilpin, Harrison Building; F. W. Van Loon, Denckla Building; R. C. Ballinger Co., 218 North Thirteenth street, Philadelphia.

Bank Building, Clayton, N. J., \$10,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Clayton National Bank, Clayton, N. J. Stone, 1 story, 28x40 feet, slate roof, hot water heating, gas and electric lighting, bank fixtures. Architects taking bids, due April 8th. The following are figuring: Peterson Const. Co., Clayton, N. J.; George Bachman, 19 North Thirtieth street, Camden, N. J.; Frank Turner, 828 Broadway, Camden, N. J.; Wilbert Beaumont, Stephen Girard Building, Philadelphia.

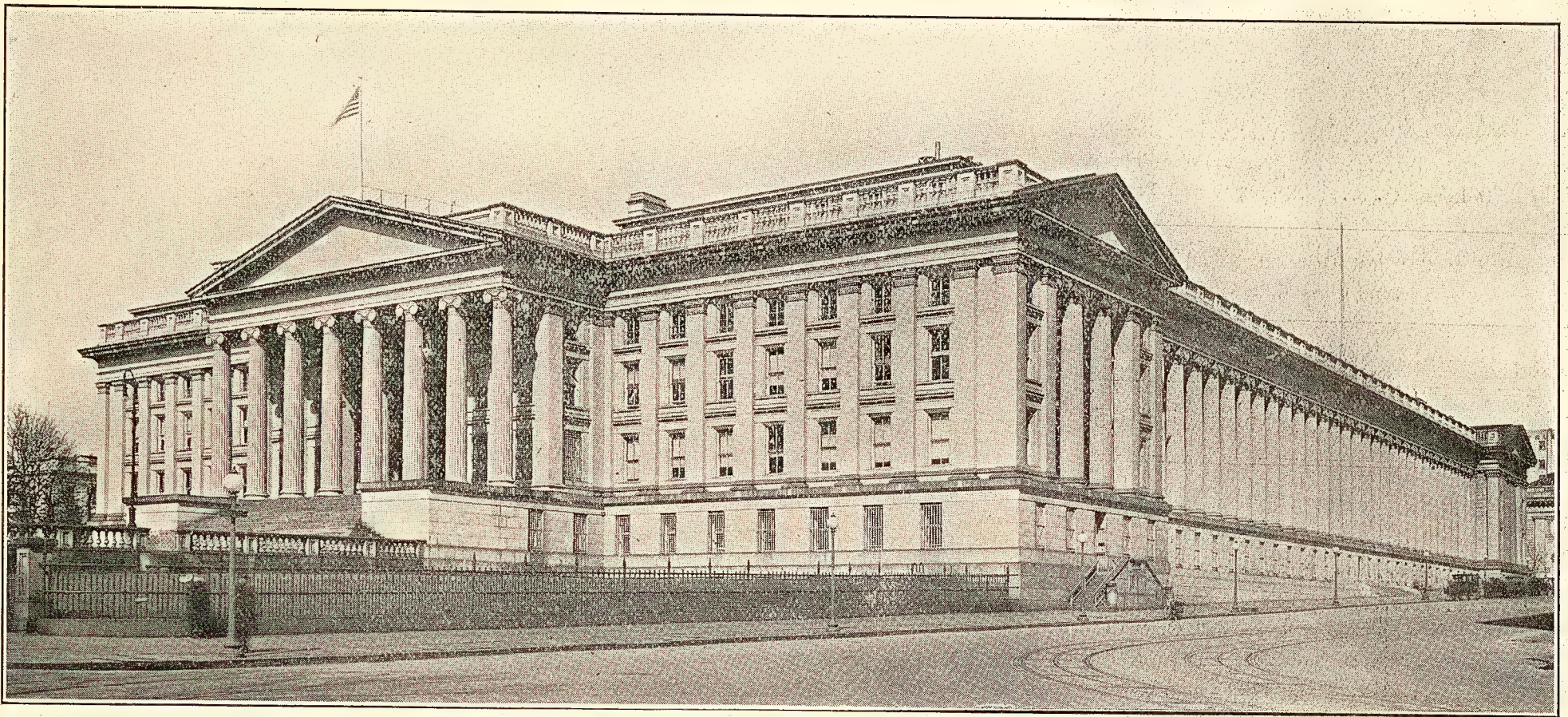
School Building, Forked River, N. J., \$9,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, Forked River, N. J. Frame, 2 stories, 42x63 feet, shingle roof, mechanical warm air heating, metal lath. Plans about completed. Owners will take bids about April 10th.

School Building, Springside, N. J., \$20,000.

(Continued on page 210.)

SAUMS PRESERVATIVE

SAVED THESE FLOORS



TREASURY BUILDING, WASHINGTON, D. C.

On account of Dusting and Disintegration the United States Government was about to place a contract to tear up all the concrete Flooring and lay new.

SAUMS PRESERVATIVE was applied as an experiment **five years ago**. This Floor to-day is free from dust, and disintegration has been completely stopped. **The SAUMS PROCESS** has been entirely satisfactory.

In the United States Pension offices, the wood Floors treated with **SAUMS PRESERVATIVE** five years ago, have also proved the value of **SAUMS PROCESS**.

—Let us Demonstrate Saums Process—

THE SAGENDORPH COMPANY, Inc.
131-133 SOUTH 24th STREET : : PHILADELPHIA, PA.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., MARCH 31, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbocker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors....{ Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlenberg
TreasurerWalter Mellor
Directors—Clarence C. Zantzinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

Trade magazines throughout the United States continue to re-echo "The Guide's" "Build Now!" campaign. "Keith's Magazine" observes under this head:

"Right now every contractor you meet is in position to give you a \$1.25 return for your money for every dollar invested, and for two reasons. He can buy material comparatively cheaper and put good workmen on your job for the same money that in rush times goes to the incapable man, furnishing 50 per cent. efficiency. Good live times are right ahead, and so a word to the wise that they be forehanded and build now, for a \$5,000 house today in less than a year will cost \$6,000.

"Even if higher rates of interest have to be paid for money now a \$5,000 house on 7 per cent. money for a time is much better than the same house costing \$1,000 more next year at a lower interest rate.

"Alleged hard times have put a crimp in building, even in Jacksonville, where a million and a half dollars were spent for building in 1914; and after things ease up a little with the new year there is going to be a rush for building.

"The man who builds now accomplishes two things, nay, three, he gets more house for the same money, because lumber is cheaper than it will be, he gets a better house for his money because the contractor is not so rushed with orders, and he gives employment to men whom to help at this time is of vital importance.

"And a fourth great accomplishment will be that he will put some money in circulation, instead of keeping it shut up and moulding where it does no one a penny's worth of good."

* * *

One of the sanest reviews of existing trade conditions, involving an analysis of underlying causes, together with a thoroughly practical and economically sound program for removing those causes, is contained in "Knickerbocker Comments," a house organ issued by the Knickerbocker Portland Cement Company, and prepared by C. R. Lippman. Headed "The Vision of the Architect and Engineer," this very readable little booklet presents the following:

"A Semi-Prayer Anent the Current Unrest.

May it come to pass, Oh, Goddess of Destiny, that every member of our political and social structure be endowed with the spirit of the architect and the engineer.

Behold, how they go about their task! They think and plan before they start it, and keep it within the means provided.

They clarify it, visualize it for all concerned, furnishing to each man who has a part in it a clear conception of just his share of the work and how to do it.

They select, arrange and organize all ma-

terials, all parts of the structure, so that there is no burdensome stress or strain on any single part, no more pressure than each can easily bear.

They select and shape the material so that each part is best fitted for its purpose; so that the finished structure is a monument to skill, foresight and co-operation, that has given the words "constructive effort" a new meaning as wide as the hopes of humanity.

May it come to pass, Oh Goddess of Destiny, that society at large shall go about its tasks in the same spirit and with the same care. May humanity pattern all its works after the example of the architect and the engineer.

* * *

Making Prosperity "Step Lively."

Before we can remedy unemployment of labor, we must cure the unemployment of capital.

Shortly after the outbreak of the European war, Berlin, the capital of war-ridden Germany, announced that the city would go ahead with all public work contemplated, and would start at once on public work planned for some remoter time. Most of the German municipalities have followed her lead.

Can't we Americans take a pointer from this courage? Surely we have the brains to see and think our way through symptoms and surface remedies down to the causes and cures in a fundamental way.

It is almost hopeless to urge employers to "give somebody a job." The employer would be only too glad to do it—if he had the jobs to give. No man is going to curtail his business unless he has to.

As for making private improvements, that requires ready funds—and their circulation is curtailed. A general air of conservatism has caused a stricture in the financial arteries of the country.

* * *

Unemployment of Capital.

The money has not disappeared; it has not been "bombarded" out of existence—and is not likely to be. Our exports of food, war material and other merchandise have swung the balance of trade in favor of the United States. This means that—despite the business disturbances caused by the war—more money is coming into this country than is being taken out of it. What becomes of it?

Fortunately at this writing Dun's Review says, the financial situation improves every day.

The present business situation resembles a "log jam," where a few logs at the "neck" of the lake or river, dam up all those behind it and the whole mass won't move until the "key logs" are stirred out of their place.

These "key logs" in the present economic congestion are "public improvements"—dams, water works, roads, river and harbor improvements, police stations, fire houses,

school buildings, bridges, parks, reclamation work.

Get them going—going at once. Then the private business man, the private individual will also take courage and listen to the “build now” campaign preached by the building papers and the building fraternity.

Even the wealthy individual is insignificant compared with the community. You can't expect him to act with economic courage, when community, county, State and Nation act with economic cowardice.

Let the public improvements, urgent and non-urgent, be started at once. Private improvements will follow suit and once more the wheels of industry will be humming a song of prosperity and relief to starving, shivering thousands.

It is also good business from a purely selfish point of view. Interest charges are gradually being lowered. Even where a little above normal, the difference is made up by the lower cost of labor and material. And returning prosperity, sure to come, is sure to raise prices. Now is the time to build.

Keep the building activities going full blast, and, with the basic prosperity of agriculture, general prosperity will be here.

There is plenty of opportunity. Improvements are needed everywhere, in every department of public administration. There is no end to the need of roadwork.

* * *

Who Will Provide the Means?

Public officials say there are no appropriations available. New York City, for example, holds out the hope of only a few hundred thousand dollars within the next month, and a few, a very few, millions within the months to follow. You can't blame the officials for this stand. They are simply doing their duty. This isn't a case of finding fault or finding some one to blame. It is a case of finding a remedy—and at once!

If there are no appropriations available, let appropriations be voted and made available right away. It can be done with the help of the bankers, and with the help of private subscriptions to bonds in small denominations.

European nations had to float war loans that way—and without hesitation. Why can't we in America, in safe, peaceful America, float “prosperity loans” with the same patriotism, the same promptness and the same enthusiasm?

Their disbursements in Europe, will “go up in smoke.” Ours will result in the inspiring smoke of busy factories, followed by the tranquil smoke of happy firesides, and it will bear interest, financially and in satisfaction to all concerned. A job to the jobless is more gratifying to him than all the “charity” he gets, no matter how willingly bestowed. It is also more satisfactory to the giver.

Public work is better than public or private charity. If this work is not started, on the ground that it involves too much taxation, the burden of taxation is only shifted under another name, under “charity.”

About Present Indebtedness.

Present public debts are high enough? Not when the urgent need of many fellow citizens calls for immediate action. Not when the burden of the average citizen will otherwise be increased by his share of the burden in supporting the unfortunates. Not when, later on, he must contribute his share to the maintenance of criminal and sanitary institutions, which are bound to be crowded as the result of prolonged unemployment.

Because in the past public expenditures have been made lavishly and in some cases recklessly, is no reason why they should be held up, thus aggravating the present economic hardships, bound to produce dangerous agitation and discontent. Already the Industrial Workers of the World are agitating a “workmen's moratorium.”

In financial stringencies, the government very properly rushed to the rescue of the banks with deposits and other assistance. Let the government of each community, each State, of the nation, step in and remove the brakes that hold back prosperity, by extra legislative sessions if necessary.

The constructive way to do it, is to keep the building industry going full blast. The rest of the country is sure to follow suit under the stimulus of the new currency law, the war exports, agricultural prosperity and the peace promised by the administration to big business.

* * *

Starting Promptly.

Nor will it require as much money as might appear at first glance. Let it be known that public work is going ahead—and private work will also go ahead immediately.

Naturally, the city fathers and other law makers are timid about voting appropriations that increase the public debt. You can't blame them. They don't want to be charged with “extravagant legislation.” But, economy, like charity, covers multitude of sins. And in this case, charity, while commendable until real relief is possible, is certainly an “economic sin.”

Under the charity plan of disbursements, there is no real relief. Clothing donated, food supplied, do not fill wants permanently. But when the same money is expended through the channels of industry, of constructive work in progress, the worker has in addition to self-bought food and shelter, his most precious possession, his self-respect, and the community, without any more expenditure in the end than under the charity plan, has the improvements which are a benefit to all people and to coming generations.

Legislators feel in duty bound to do what their constituents want them to do. In other words, there must be public pressure back of them. They must be encouraged by the voices of their constituents. The problem must be agitated by social, religious and civic organizations.

Let the newspapers write about it. Let it be discussed by every society, every Board of Trade. Let it be repeatedly preached about in the churches. Once is not enough.

“The world does not need so much to be informed as it needs reminding.” The movement must be kept up until the improvements are started. And then we shall have prosperity.”

SURE.

Stick to your work, forget the mob,

Avoid the discontented throng;

For, if you're always on the job

Success is sure to come along.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—“Municipal Engineering.”

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

You can't get figs from thistles. Nor can you get an assured income from a shoe-string advertising proposition.

Don't expect outsiders to give you a big rating on a one-inch space.

FASTER SYSTEM

MAXIMUM AT MINIMUM
EFFICIENCY AT COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



NEW JERSEY CONSTRUCTION NEWS.

(Continued from page 206.)

Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, Burlington Township, N. J. Brick, 2 stories, 60x75 feet, slag roof, mechanical warm air heating, gas lighting. Plans completed. Ready for bids April 1st.

Paint Factory, 23 Boyd street, Camden, N. J. Architect, private plans. Owners, Bitume Enamel Co., Sixth and Bailey streets, Camden, N. J. Frame, 1 story, 20x30 feet galvanized iron roof, electric lighting. Owners are sub-letting all contracts.

Garage, 1159 Chase street, Camden, N. J. Architect, private plans. Owner, S. Praise, Tenth and Mechanics streets, Camden, N. J. Brick, 2 stories, 15x30 feet, slag roof, steam heating, electric lighting, concrete floors. Owner is sub-letting all contracts.

Residence (alt. and add.), Burlington, N. J. Architects, Hewitt & Granger, Bullitt Building, Philadelphia. Owner, Rev. Paul Matthews, on premises. Brick and plaster, 2½ stories, slate and slag roof, electric lighting, hot air heating, bond. Architects taking bids, due April 6th. The following are figuring: Thomas Little & Sons, 1713 Moravian street; J. J. Norcross & Bros., Burlington, N. J.

New Jersey

Contracts Awarded

Residence, West Collingswood, N. J., \$5,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City, N. J. Owner, Joseph Schnitzer, West Collingswood, N. J. Stone and frame, 2 stories, 26x38 feet, slate roof, hot water heating, gas and electric lighting, tile work. Contract awarded to Charles S. Corson, 1318 Atlantic avenue, Atlantic City, N. J.

Store and Residences (2), 3701 Westfield avenue, Camden, N. J. Architect, private plans. Owner, Victor King, Camden, N. J. Brick, 2 stories, 16x54 feet, slag roof, hot air heating, gas and electric lighting. Contract

awarded to James M. Phillips, 3092 Freemont street, Camden, N. J.

Residences (5), North Thirty-second street, Camden, N. J. Architect, private plans. Owner, William A. Sangtinetto, 1024 North Thir-

ty-second street, Camden, N. J. Brick, 2 stories, 14x46 feet each, slag roof, hot air heating, gas lighting. Contract awarded to George Bachmann, 19 North Thirtieth street, Camden, N. J.

MARYLAND Construction News

Church, Princess Anne, Md., \$16,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington, Del. Owners, Methodist Episcopal Church, Princess Anne, Md. Stone, 1 story, 80x94 feet, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in three weeks.

Residence, Cedar Croft, Md., \$4,500. Architect, E. L. Palmer, Roland Park, Md. Owner, Louis C. Wood, Cedar Croft, Md. Frame and stucco, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Warehouses (3), 3, 5 and 9 Sharp street, Baltimore. Architect, private plans. Owner, Isaac Schlessinger, 2011 Madison avenue, Baltimore. Brick and concrete, 3 stories, 18x65 feet each, slag roof, electric lighting. Plans in progress.

Residence, Towson, Md. Architect, Thomas Bond Owings, 347 North Charles street, Baltimore. Owner, Wade Thomas. Brick, stone trimmings, 3 stories, slate roof, steam heating, electric lighting, tile work. Plans completed. Architect ready for bids.

Picture Theatre, 801 East Baltimore street, Baltimore, Md. Architect not yet selected. Owner, Coleman Klein, on premises. Owner will soon select architect.

Residence, Ruxton, Md. Architect, S. Russell, 2900 Clifton avenue, Baltimore, Md. Owner, R. B. Darnell, Fidelity Building, Baltimore. Frame, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Guilford, Md., \$13,000. Architect, private plans. Owner, Robert Biggs, Law Building, Baltimore, Md. Brick and stucco, 2½ stories, slate roof, steam heating, electric lighting, tile work. Builder, L. G. Turner, Union Trust Building, Baltimore, Md.

Residence, Tuxedo Park, Md., \$4,000. Architect, J. C. Spedden, 1640 Hanover street, Baltimore, Md. Owner, J. J. Moylan, 117 East Centre street, Baltimore. Brick, 2½ stories, 28x34 feet, slate roof, steam heating, electric lighting. Owner will sub-let all contracts.

School Building, Jefferson and Caroline sts., Baltimore, \$80,000. Architect, A. Cookman Leach, 323 North Charles street, Baltimore. Owner, Board of Education, Baltimore, Md. Brick, concrete and steel, fireproof, 3 stories. Plans completed. Owners will take bids in one week.

Apartment House, Park Drive, Baltimore, Md., \$25,000. Architects, Emory & Nussear, Professional Building, Baltimore. Owner, Eli

Frank, 606 Equitable Building, Baltimore. Brick, 3 stories, 40x76 feet, slag roof, steam heating, electric lighting, tile work. Consolidated Engineering Co., Calvert Building, will take sub-bids in about two weeks.

Picture Theatre, Annapolis, Md. Architect, Louis Levi, Munsey Building, Baltimore, Md., and Real Estate Trust Building, Philadelphia. Owner, Phillip Miller, Annapolis, Md. Brick and terra cotta, 1 story, 46x120 feet, slag roof, steam heating, electric lighting. Plans in progress.

Apartments (alts. and adds.), Garrison avenue, Baltimore, \$40,000. Architects, Ellicott & Emmart, Union Trust Building, Baltimore. Owner, H. D. Eastman, 702 North Gilmore street, Baltimore. Consists of remodeling Woodland Hall Hotel for apartments, steam heating, electric lighting, tile work. Plans in progress.

Garage and Sales Rooms (alt. and add.), North avenue, between Oak street and Maryland avenue, \$12,000. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owners, Schall-Crouch Auto Co., 1919 North Charles street. Brick, 2 stories, 58x120 feet, slag roof, steam heating, electric lighting. Plans in progress.

Office Building and Shops, Bayard and Severn streets, Baltimore. Architect, private plans. Owners, Chesapeake Iron Works, on premises. Brick office building, 2 stories, 30x52 feet, steel and corrugated iron shop, 1 story, 60x20 feet, steam heating, electric lighting. Owners taking sub-bids.

Swimming Pool, Druid Hill Park, Baltimore, \$30,000. Engineer, Frank C. Gross, Equitable Building, Baltimore. Owners, Park Commissioners, City Hall, Baltimore. Concrete, 315x570 feet. Owners taking bids, due April 7th. Plans may be obtained from engineer upon a deposit of \$10.00.

Picture Theatre, Carey, near School street, Baltimore. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, James C. Crenan, care of architect. Brick, 1 story, slag roof, steam heating, electric lighting. Plans about completed. Architect will soon take bids.

Residence, Guilford, Md., \$10,000. Architect, E. L. Palmer, Roland Park, Md. Owner, Noel H. Matthews, 300 East Twenty-fourth street, Baltimore. Brick, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

MARYLAND Contracts Awarded

Residence, Green Spring Valley, Md., \$30,000. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore, Md. Owner, Mrs. William Manly, Baltimore, Md. Brick, 2½ stories, 71x45 feet, wing 20x30 feet, slate roof, electric lighting, steam heating, hardwood floors, tile work. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore, Md.

Office Building, Westport, Md., \$7,000. Architect, private plans. Owners, Carr-Lowry Glass Co., Westport, Md. Brick, 2 stories, slag roof, steam heat, electric lighting. Contract awarded to West Construction Company, Knickerbocker Building, Baltimore, Md.

Store Building, 305 West Lexington street, Baltimore, \$15,000. Architect, John Freund, Jr., Hoffman Building. Owner, Lieblick Es-

tate, care of Gus Lieblick, Marlborough Apartments, Baltimore. Brick, 3 stories, 16x78 feet, slag roof, steam heating, electric lighting. Contract awarded to Joseph Schamberger, 2122 East Baltimore street, Baltimore, Md.

Garage, Garrison avenue, Baltimore, Md. Architect, private plans. Owner, O. P. Roberts, 2601 Garrison avenue, Baltimore. Concrete, 1 story, slate roof, electric lighting. Contract awarded to E. G. Turner, 15 East Fayette street, Baltimore, Md.

Warehouse (alt. and add.), North Eutaw street, \$5,000. Architect, private plans. Owner, T. Howard Boland, 520 North Eutaw street. Brick, 3 stories, 20x39 feet, slag roof, steam heating, electric lighting. Contract awarded to John J. Moylan, 117 East Centre street, Baltimore, Md.

Warehouse (alts.), Courtland street, Baltimore, \$5,995. Architect, private plans. Owners, City of Baltimore, City Hall, Baltimore. Brick, 2 stories. Contract awarded to Singer-Pentz Co., Equitable Building, Baltimore, Md.

Miscellaneous Construction News

Office Building, Wilmington, Del., \$4,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owners, Diamond Ice and Coal Co., DuPont Building, Wilmington, Del. Brick, 2 stories, fireproof partitions, electric lighting. Plans in progress.

Residence (remodeling), Greenville, Del. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owner, William Winder Laird, DuPont Building, Wilmington, Del. Brick, 2½ stories, 48x28 feet, shingle roof, hot water heating, oak floors, tile work, cabinet work, 2 wall safes. Plans in progress.

Residential Halls (2), Ithaca, N. Y. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Cornell University, care of E. L. Williams, Ithaca, N. Y. Stone, fireproof, 3 stories, 30x160 feet each, slate roof, electric light, steam heat, metal lath. Plans about completed. Architect will soon take bids.

Hospital, Farnhurst, Del., \$60,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington, Del. Owners, Delaware State Hospital, Dover, Del. Brick, 3 stories, slate roof, electric lighting, fireproofing. Plans in progress.

Barn (alt. and add.), Stanton, Del. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owners, Girard Trust Co., Broad and Chestnut streets, Philadelphia. Stone and frame, 2 stories, shingle roof. Architects have received bids.

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

CONTRACTS AWARDED.

Residence, Wilmington, Del, \$9,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owner, Thomas Laffey, 2410 West Seventeenth street, Wilmington, Del. Brick, 2½ stories, 41x37 feet, shingle roof, electric lighting, hardwood floors, tile work (hot water heating reserved). Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Residence, Wilmington, Del., \$5,000. Architect, Clarence R. Hope, 5 West Twenty-sixth street, Wilmington, Del. Owner, Homer Barry, The Cedars, Wilmington, Del. Brick, marble trimmings, 3 stories, 42x33 feet, asbestos shingle roof, hardwood floors (heating, electric work and tile work reserved). Contract awarded to A. S. Reed & Bro. Co., 815 Shipley street, Wilmington, Del.

Office Building (add.), Edgemoor, Del., \$8,581. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owners, Edgemoor Iron Co., Edgemoor, Del. Brick, 2 stories, slag roof (heating and lighting, reserved). Contract awarded to W. D. Haddock Co., Wilmington, Del.

Residence (alt. and add.), Wilmington, Del. Architect, Albert W. Dilks, 1001 Chestnut street, Philadelphia. Owner, Mrs. William K. DuPont, Wilmington, Del. Consists of new conservatory and interior alterations, steam heating, electric lighting, tile work. Contract awarded to W. D. Haddock & Co., 814 Orange street, Wilmington, Del.

The One That Gets the Trade.

The constant dropping water wears away the hardest stone,

The constant chewing bulldog masticates the toughest bone,

The constant cooing lover takes away the blushing maid,

And the constant advertiser is the one that takes the trade.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

One way to escape the income tax is to quit advertising and do less business.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

PENNSYLVANIA VILLAGE FOR FEEBLE MINDED WOMEN, Union County Pa.—Sealed proposals for construction of Cottage No. 1, plumbing, heating and electrical work, will be received and opened in the presence of the public at 2 P. M. Friday, April 9th, 1915. Plans and specifications and form of proposal may be obtained at the office of George S. Idell, architect, 34 South Sixteenth street, Philadelphia, Pa., upon deposit of \$5.00, one-half of which will be refunded upon return of plans and specifications. Approximate cost of building, \$25,000. Location, 2½ miles from Glen Iron Station. Certificate of bonding company to accompany bid.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 18, 1915.—Sealed proposals will be opened in this office at 3 P. M., April 20, 1915, for the construction complete (including mechanical equipment) of the receiving building for the Philadelphia, Pa., Immigration Station (Gloucester, N. J.). The building is a one-story frame structure with a ground area of 29,000 square feet. Drawings and specifications may be obtained from the Commissioner of Immigration at Gloucester City, N. J., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 20, 1915.—Sealed proposals will be opened in this office at 3 P. M., April 21, for the installation of an inter-communicating telephone system for the offices of the United States District Attorney in the United States Courthouse and Post Office, New York, N. Y., in accordance with the specification, copies of which may be had at this office or at the office of the Supervising Chief Engineer, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 22, 1915.—Sealed proposals will be opened in this office at 3 P. M., April 19, 1915, for the construction complete (including mechanical equipment) of Medical Officers' Quarters at the United States Marine Hospital, Wilmington, N. C. The building is a two-story frame structure with a ground area of 930 square feet. Drawings and specifications may be obtained from the Custodian at Wilmington, N. C., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

The world is just chock full of men who failed because they expected buyers to romp right in and ask for goods. Modern business spends big money simply to get the buyer interested knowing that sales follow.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

David McKibbin (O), 2900 Frankford avenue. Cost, \$9,800. Seven dwellings, brick, 2 stories, 15x36 feet, Memphis and Ann streets. Cost, \$8,900. Seven dwellings.

W. O. Mahan (O), 4817 Old York road. Cost, \$13,200. Four dwellings, brick, 3 stories, 16x36 feet, Carlisle street and Sixty-eighth avenue. Cost, \$13,200. Four dwellings. Cost, \$40,200. Fourteen dwellings.

R. H. Foster (O), 3859 North Sydenham street. Cost, \$13,200. Four dwellings, brick, 3 stories, 16x36 feet, Oak Lane. Cost, \$13,200. Four dwellings. Cost, \$33,600. Twelve dwellings. Cost, \$33,600. Twelve dwellings.

Animal Products Co. (O), 3115 North Sixteenth street. R. Beatty & Bros. (C), 2321 East Fletcher street. Cost, \$25,000. Manufacturing, brick, 2 stories, 64x158 feet, Sepviva and Venango streets.

City of Philadelphia (O), City Hall. Ed. F. Fonder (C), Land Title Building. Cost, \$500,000. School, 3 stories, 72x72 feet, brick, Frankford, Philadelphia.

Frank Carpota (O), 530 Rising Sun Lane. Cost, \$1,200. Dwelling, brick, 2 stories, 16x28 feet, 3936 Reese street.

Rimer & Byers (O), 4842 Hewthorne street. Cost, \$8,000. Two dwellings, brick, 2 stories, 15x44 feet, 1232-34 Harrison street.

Wilson & Weller (O), York road and Ruscomb streets. Cost, \$8,400. Two dwellings, brick, 2 stories, 16x50 feet, Oak lane, Philadelphia.

C. West & Co. (O), Harrison and Horrocks streets. Cost, \$4,100. Dwelling, brick, 2 stories, 16x49 feet, Twelfth and Allengrove avenue. Cost, \$11,700. Three dwellings.

B. L. Carroll (O), Sixty-first and Columbia avenue. Cost, \$16,000. Four dwellings, brick, 2 stories, 23x34 feet, Sixty-first and Columbia avenue.

M. P. J. Clemens (O), 8212 Seminole avenue. F. Elvidge & Sons (C), 5g22 Gerfantom avenue. Cost, \$13,750. Dwelling, stone, 2½ stories, 28x46 feet, Moreland and Crefelt avenues.

J. W. Mortimer (O), 3024 E street. Cost, \$15,500. Ten dwellings, brick, 2 stories, 14x27 feet, Emerald and Thayer streets.

S. Dagostina (O), 616 South Ninth street. M. Kauffman (C), 822 Watkins street. Cost, \$2,025. Dwelling and store, brick 2 stories, 23x34 feet, 616 South Percy street.

Morris Realty Co. (O), 122 South Thirteenth

street. Cost, \$2,000. Dwelling, alteration and addition, 536 Brinton street.

Wendell & Smith (O), Overbrook, Philadelphia. M. W. Young (C), Overbrook, Philadelphia. Cost, \$8,000. Dwelling, stone, 2½ stories, 22x56 feet, Woodbine and Gross streets.

D. Snyder (O), 2130 Clearfield street. Cost, \$2,500. Dwelling, brick, 2 stories, 16x50 feet, Jackson and Brill streets.

K. Spath (O), 1147 Windrim avenue. H. E. Sweger (C), 4435 North Uber street. Cost, \$3,500. Dwelling, stone, 2 stories, 16x64 feet, 1145 Windrim avenue.

Arzoomanian Bros. (O), 104 South Sixtieth street. Farraday Const. Co. (C), Morton, Pa. Cost, \$3,200. Store and hall, brick, 2 stories, 30x50 feet, 104 South Sixtieth street.

Barrett Manufacturing Co. (O), Land Title Building. A. L. Carhart (C), Hale Building. Cost, \$6,000. Building, brick, 1 story.

B. R. Colies (O), 2734 West Girard avenue. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$745. Dwelling and store, 10x13 feet. Brick, 3 stories, 2743 West Girard avenue.

John Schmink (O), 612 West Cambria street. Cost, \$12,000. Six dwellings, brick, 2 stories, 15x53 feet, Mascher and Loudon sts. Cost, \$10,000. Five dwellings. Cost, \$4,500. One dwelling.

S. H. P. Read (O), 4705 York road. Cost, \$3,500. Dwelling, brick, 2 stories, 26x26 feet, Camac and Medary streets.

J. F. Betz Estate (O), Philadelphia. Burd P. Evans Co. (C), Thirteenth and Wallace streets. Cost, \$17,000. Hotel, brick, 3 stories, 42x23 feet, Thirteenth and Ridge avenue.

C. E. Fatcher (O), 2144 South Simpson street. Cost, \$15,000. Theatre, brick, 1 story, 50x125 feet, 6149 Woodland avenue.

Maz Shapiro (O), 5947 Pine street. Cost \$37,400. Seventeen dwellings, brick, 2 stories, 16x24 feet, Fifty-fifth and Arch streets. Cost, \$15,400. Seven dwellings.

M. Gannone (O), 2638 East Somerset street. J. Guilino (C), 1132 Watkins street. Cost, \$3,300. Dwelling, brick, 2 stories, 20x53 feet, 2651 East Somerset street.

Mark Haller (O), 2123 South Fourth street. Cost, \$35,200. Twenty-two dwellings, brick, 2 stories, 14x24 feet, Third and Porter streets.

R. B. Strunk (O), 6035 York road. Cost, \$2,800. Two dwellings, brick, 2 stories, 16x40 feet, Tenth and Champlost avenue.

Ed. Stott (O), 5430 North Water street. Cost, \$10,000. Four dwellings, brick, 2 stories, 16x44 feet, 5409 to 14 North Front street.

May Sarfert (O), 4902 North Thirteenth street. Harry Brocklehurst (C), 512 West Norris street. Cost, \$11,000. Eight stores, brick, 1 story, 15x45 feet, Allegheny avenue and Kensington avenue.

E. J. Holmes Co. (O), 1322 Walnut street. Cost, \$8,000. Stores and offices, 932 Market street.

W. F. Sauter (O), 2305 North Broad street. George Kessler Cont. Co. (C), Drexel Building. Cost, \$2,000. Dwelling and garage, 20x 24 feet, 1 story, 2305 North Broad street.

Morgenthaler Bros. (O), Second and Jack-

son streets. Cost, \$8,000. Coal Pocket, Swan-son and Wolf streets.

James Bromely (O), Adams and Leiper sts. G. H. Thirsk (C), 2739 Jasper street. Cost, \$8,000. Dye house, Adams and Leiper streets.

W. B. Levis (O), 1518 Market street. Basch Co. (C), 1426 South Front street. Cost, \$1,400. Store, 1730 Market street.

M. J. Boyer (O), Collingdale, Pa. J. D. Fisher (C), 5718 Market street. Cost, \$900. Store and dwelling, 5209 Market street.

M. Middleburg (O), 101 North Sixtieth street. J. D. Fisher (C), 5718 Market street. Cost, \$5,000. Store and dwelling, 2 stories, 22x54 feet, Vine and Robinson streets.

Wendell & Smith (O), Overbrook, Pa. Milton W. Young (C), Overbrook, Philadelphia. Cost, \$500. Garage, 6345 Woodbine avenue.

TAXES.

Taxes are an unknown quantity, which is constantly being raised in order to provide the government in luxury. Also to keep people guessing.

Taxes are outward, inward and spirituous. They are external, internal and eternal. A tax by any other name would be as much resented.

The man who invented taxes got up slightly earlier in the morning than the man who invented interest, and since that date he has kept his lead.

A tax is imposed or levied. In every case, however, it is always considered to be an imposition.

Taxes are also local, state and government; likewise personal.

Taxes are levied on the amount of furniture and other useless material in your house, which you are paying for upon the installment plan, unless you happen to be so wealthy that the tax assessor does not keep you worrying.

The school tax is levied for the purpose of getting you to pay the interest on money which has already been spent, and which posterity expects to refund when possible.

Government taxes are levied for the purpose of enabling certain citizens, dressed up in regimentals, to kill other citizens also dressed up in regimentals.

They also go toward defraying the expenses of political campaigns, of representatives, of rivers, of harbors, and of new laws, without which no civilization would be complete.

Taxes, in reality, are what we pay for the privilege of being able to mind our own business.

At one time taxes were collected at the point of the bayonet. We have, however, improved since those days. Instead of lounging in some pail, we may have the privilege of sitting upon the sidewalks, surrounded by our goods and chattels, and breathing in the fresh air of heaven.

Nothing exceeds like taxes.—“Life.”

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

Alterations and Additions

Freihofer Building and Loan Association (O), Twenty-fourth and Master streets. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$6,200, apartment house, 3230 to 36 Diamond street.

U. G. I. Co. (O), Broad and Race streets. Cost, \$1,000. Pump house, Passyunk avenue and Schuylkill avenue.

W. L. Shoemaker & Co. (O), Delaware avenue and Venango street. Cost, \$1,500. Factory, brick, 2 stories, 27x39 feet, 232 Moore street.

S. Goldstein (O), Camden, N. J. Arrow & Rubin (C), 860 North Sixth street. Cost, \$2,000. Store and dwelling, 2040 North Front street.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.
F. E. Carpenter Co.,
868 Postal Bldg., New York City

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Gas Grates.

J. B. Spruance, 9 S. 18th st., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Wall Safes.

J. B. Spruance, 9 S. 18th st., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Benjamin Foster Co.,

22nd and Sedgley ave., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

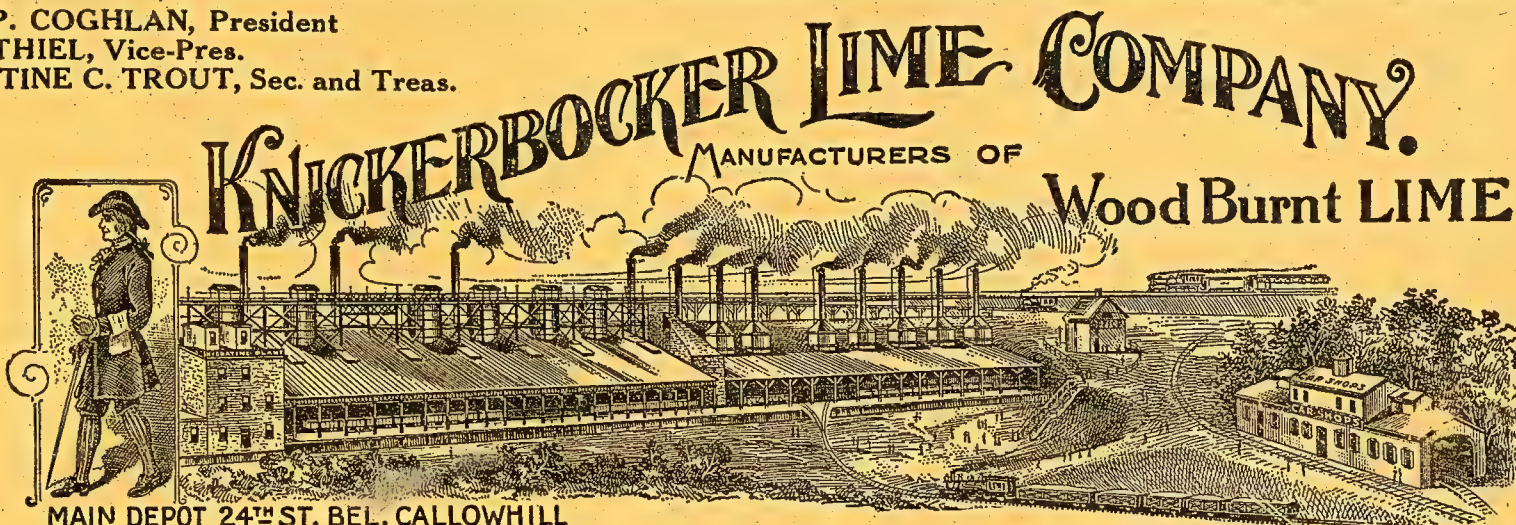
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.

SPECIAL

OFFER



You have experimented with many waterproofing
compounds containing "Stearates" or other Soaps.
IMPERVITE is not a soap: it is the only compound
which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is
better than two pounds of Soap Compound.

We can send you Official Gov-
ernment Tests and scores of
enthusiastic letters from Users—
but will this SATISFY you?

In order to give you an oppor-
tunity to PROVE our claims, we
are willing to send you 25 pounds
of Impervite for \$2.00 (freight
prepaid by us) with the understand-

ing that if it does not prove more
efficient than the compound you
are now using, you will be under no
obligation to pay us. We are willing
to let YOU be the judge. Write
to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 14.

PHILADELPHIA, WEDNESDAY, APRIL 7, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

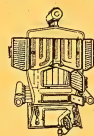
Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

—MILLS—



"Reputation"

Some of the most famous
buildings in the country are
equipped with Mills Water
Tube Boilers.

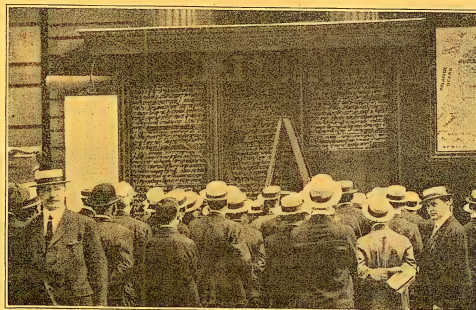
They are always found where
"GOOD QUALITIES" count.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

THE NATIONAL CEMENT



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

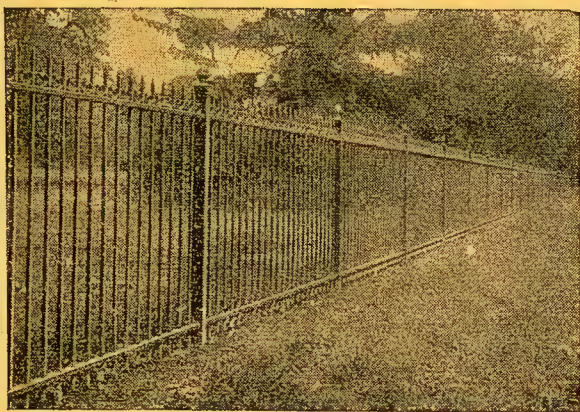
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Court, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

CHAS. H. KOHN & CO.

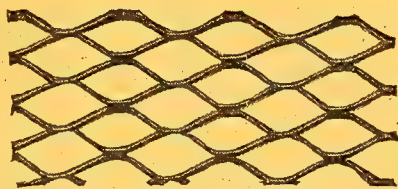
Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO"

Expanded Metal Lath



"Bilco" Diamond Mesh

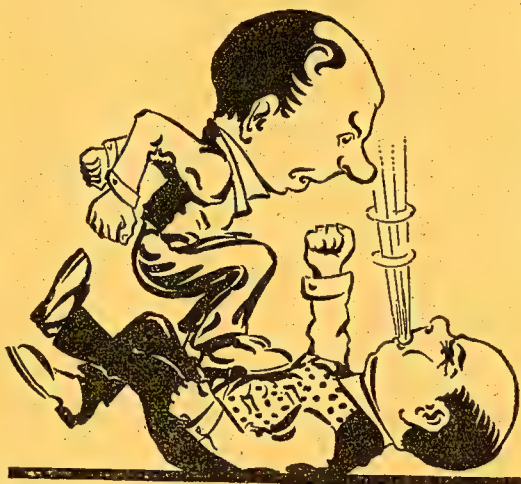
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work

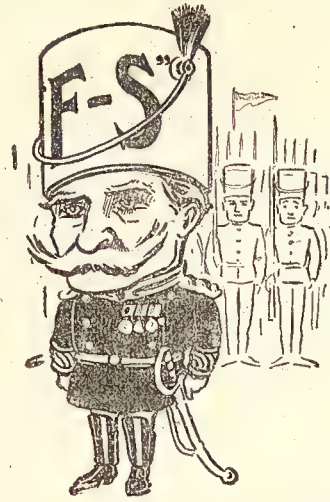


THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.

General Offices and Factory, AUDUBON, N. J.



"F.S" Products are leaders
everywhere.

"F-S" Mission Finishes rank high because they are easily applied without danger of setting or lapping while brushing out. They come in permanent colors of a wide variety of shades, and have no unpleasant odor. Chances for general satisfaction are always great when you specify a material of established repute.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(112)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

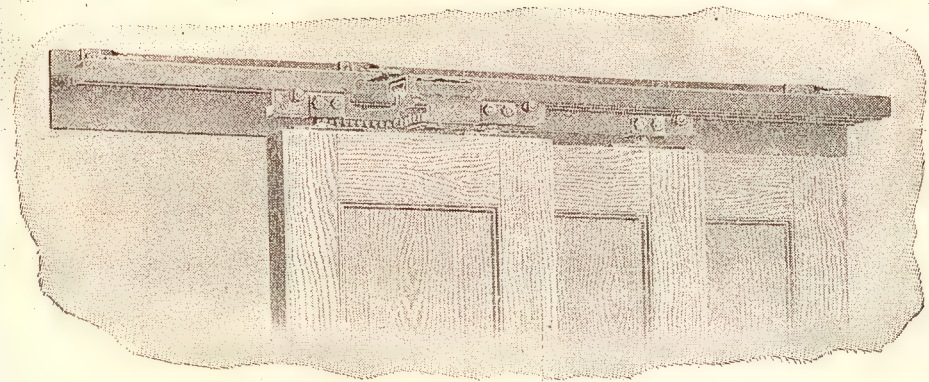
Leatherfloor is the Best
Our Motto, "None Better"

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action

"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

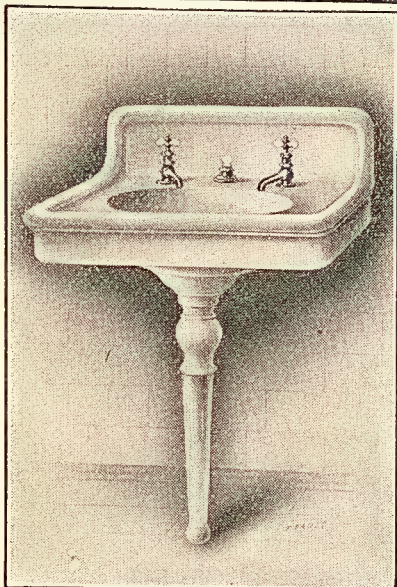


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Catalogue D*.

Specify "CAPOCO" Ware for your
Bath Rooms on particular work

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

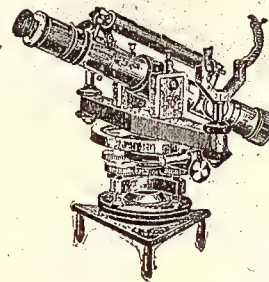
The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing

Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transits from \$15

to \$115.

serviceable.

Durable. Will hold adjustments

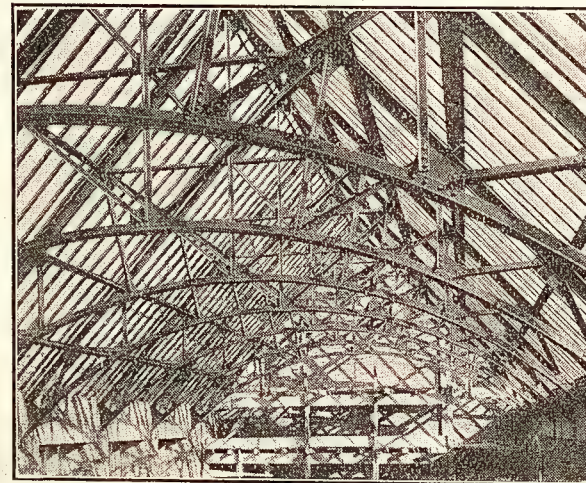


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

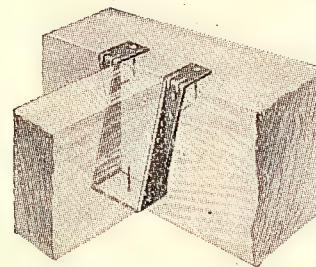
1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

STEEL JOIST HANGERS

The cheapest method for all framing of joist in
Apartment Houses, Residences, Store Buildings, etc.



SPECIAL NET PRICES:

2 x 8 in. joist, 9c.	3 x 8 in. joist, 11c.
2 x 10 in. joist, 11c.	3 x 10 in. joist, 14c.
2 x 12 in. joist, 12c.	3 x 12 in. joist, 18c.
4 x 10 in. joist, 17c.	6 x 10 in. joist, 30c.
4 x 12 in. joist, 19c.	6 x 12 in. joist, 35c.

Cleanout Doors
Anchors

Ash Drops
Wall Ties

Dampers
Cellar Doors

Carried in Stock

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-32

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 14.

PHILADELPHIA, WEDNESDAY, APRIL 7, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

College Building, Broad and Berks streets, Philadelphia. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owners, Temple College, Broad and Berks streets, Philadelphia. Brick, 3 stories and basement, 40x60 feet, slag roof, metal lath, safety treads, maple and asphalt floors (heating and lighting reserved). Architect taking bids, due April 8th. H. H. Burrell, 206 South Quince street; P. J. Hurley, 1233 Cherry street; J. Myers & Sons Co., Witherspoon Building; H. C. Rea Co., 1027 Wood street; George F. Payne & Co., 401 South Juniper street, Philadelphia, are figuring.

Residences and Garages (30-, Twelfth and Tulpehocken streets, Philadelphia. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owners, John F. McGinty & Co., Fifth and Northeast Boulevard, Philadelphia. Brick, 2 stories, 16x65 feet, slate roof, electric lighting, steam heating, parquet floors, garage 1 story, 15x20 feet. Plans in progress. Owners will take sub-bids.

Factory, Wheatshaf lane and Cedar street, Philadelphia. Architect, Edward A. Devlin, 2443 East Sargent street, Philadelphia. Owners, Independent Manufacturing Co., 3017 Edgemont street, Philadelphia. Brick, 2 stories, 32x52 feet, slag roof, steel sash, rolling steel doors (steam heating, plumbing, elevator reserved). Architect taking bids, due April 7th. The following are figuring: Graham-Campion Co., Heed Building; George Hogg, 1634 Sansom street; J. R. Jackson, Perry Building; Joseph Bird Co., 213 North Eleventh street; H. H. Wehmeyer, 1004 West Lehigh avenue; L. F. McNeill, 1713 Sansom street, Philadelphia; Charles F. Gruber, Glenside, Pa.

Armory (alt. and add.), Broad and Diamond streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owner, State of Pennsylvania Armory Board, Harrisburg, Pa. Stone and brick, 2 stories, new concrete and wood floors. Owner taking bids, due April 7th. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; J. P. Thompson, Real Estate Trust Building, Philadelphia.

Residence and Store (alt. and add.), 1004

Christian street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, Patrick Donahue, 1004 Christian street, Philadelphia. Brick, 3 stories, 16x35 feet, slag roof (heating and lighting reserved). Architects have received bids.

Residence, Hortter street, west of Wissahickon avenue, Philadelphia. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, William H. Trump, 515 Westview street, Germantown. Stone, 2 stories, 53x44 feet, shingle roof, hot water heating, electric lighting, oak floors. Plans about completed. Architect will take bids in a few days.

Residence, West Allen lane, Germantown. Architect, George C. Johnson, 1409 North Seventeenth street, Philadelphia. Owner, E. J. Johnson, care of architect. Brick and plaster, 2½ stories, 22x35 feet, shingle roof, electric lighting, hot air heating, oak floors. Architect taking bids, due April 7th. The following are figuring: J. E. Walt, 204 East Willow Grove avenue; I. A. Dunkelberger, 71 East Herman street; Samuel Harding, 20 East Johnson street; W. J. Gruhler, 219 High street; E. E. Hollenback, Fifteenth and Race streets; Alfred James, Bala, Pa.; F. W. Van Loon, Denckla Building, Philadelphia.

Residence (alt. and add.), 2016 Spruce street, Philadelphia. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, J. L. Ketterlinus, on premises. Brick, 2 stories, tin roof (heating and lighting reserved). Architects have received bids.

Warehouse, Forty-second and Haverford avenue, Philadelphia. Architect, John C. Norton, Bryn Mawr, Pa. Owner, Mrs. Elizabeth D. Melville, Forty-second and Haverford avenue, Philadelphia. Brick, 3 stories, 117x125 feet, slag roof, metal lath, bond, metal ceilings, metal frames and sash, waterproofing, electric lighting, hot water heating. Architect has received bids.

Residence, Queen Lane, Philadelphia. Architect, S. D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner, H. A. Baxter, 431 West Price street, Germantown, Philadelphia. Brick and plaster, 2½ stories, 30x45

feet, shingle roof, electric lighting, hot water heating. Plans in progress. Bids in about three weeks.

Residence (alt.), School Lane, Germantown, Philadelphia. Architect, S. D. Hawley, 2nd, 3122 West Penn street, Germantown, Philadelphia. Owners, School Lane Land Co., Germantown. Consists of interior alteration and repairs, electric lighting. Plans in progress.

Bakery, 2335 Sedgley avenue, Philadelphia. Architect, private plans. Owners, Tasty Baking Co., on premises. Brick, 2 stories, 55x100 feet, slag roof (heating and lighting reserved). Owners have received bids.

Store Building, 2846½ Kensington avenue, Philadelphia. Architect, private plans. Owner, Samuel J. Lyons, on premises. Tapestry bricks, 2 stories, slag roof, hot water heating, metal ceilings, tile work. Owner has received bids.

Residences (15), Stores (2), Fifty-seventh and Race streets, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick, 2 stories, 16x52 feet and 15x47 feet, slag roof, electric lighting, hot water heating, oak floors. Plans in progress.

Bank Building, Passayunk avenue and Bainbridge street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, State Bank of Philadelphia, Herman Loeb, City Hall. Brick and stone, 1 story, 40x57 feet, slag roof (heating and lighting reserved), safety treads, iron stairs, composition floors, metal lath, waterproofing. Architects taking bids, due April 14th. The following are figuring: Ketcham & McQuade, 1029 Brown street; Freund-Seidenbach Co., Bulletin Building; A. R. Raff, 1635 Thompson street; Thomas M. Seeds, Jr., 1207 Race street; William R. Dougherty, 1610 Sansom street; H. E. Grau Co., 1709 Sansom street; Charles McCaul Co., 1713 Sansom street; George Hogg, 1634 Sansom street; George & Borst, 277 South Eleventh street; McCloskey-Bahls, Hale Building, all of Philadelphia.

Art School (add.), Broad and Pine streets, Philadelphia. Architect, Ed. V. Seeler, Juniper and Chestnut streets, Philadelphia. Own-

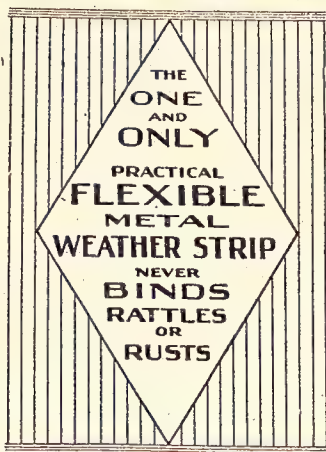
**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



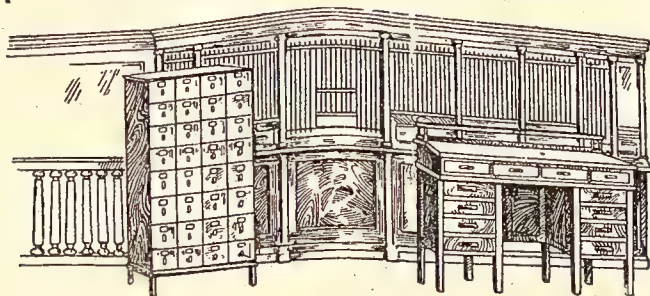
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK

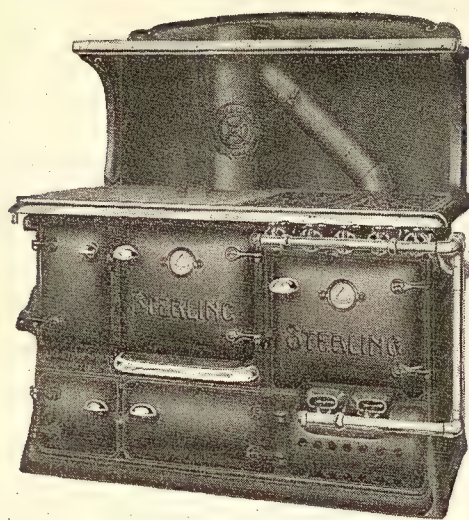


Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.

450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

ers, Philadelphia Art School, Broad and Pine streets, Philadelphia. Brick, stone and terra cotta, fireproof, 3 stories, 50x125 feet, slag roof, electric lighting, steam heating. Plans in progress. Bids in about three weeks.

Tin Shop, Frankford, Philadelphia. Architect, private plans. Owner, U. S. Government, Frankford Arsenal, Philadelphia. Brick and concrete, 2 stories, 60x245 feet, slate roof, waterproofing. Owners taking bids, due May 1st. The following are figuring: Ed. Malloy, 2316 East Lehigh avenue; E. E. Hollenback, Fifteenth and Race streets; H. E. Batton, Twelfth and Sansom streets; E. C. Durell, 1713 North Twenty-fourth street; Monaghan & Losse, 214 South Twelfth street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; Eugene Tourison, 1001 Chestnut street; Harry Gill, 2515 Germantown avenue; Burd P. Evans Co., Thirteenth and Wallace streets; F. W. Van Loon, Denckla Building; Ed. F. Fonder, Land Title Building; H. H. Wehmeyer, 1004 West Lehigh avenue; James Connor, 2848 Frankford avenue; R. C. Ballinger Co., 218 North Thirteenth street; Ketcham & McQuade, 1029 Brown street; Charles McCaul Co., 1713 Sansom street; P. J. Hurley, 1233

Cherry street; William R. Dougherty, 1610 Sansom street; W. W. Anstine Co., 1214 Filbert street; Charles D. Burns, Bridgeport, Pa.; Edw. Fay & Sons, 2 South Mole street; McCloskey-Bahls, Hale Building; F. L. Hoover & Sons, 1023 Cherry street; T. C. Trafford, 1613 Sansom street, all of Philadelphia.

Buildings (3), Frankford, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Col. George Montgomery, Frankford, Philadelphia. Brick, steel and concrete, 1 story, 51x110 feet and 42x48 feet, slate roof (heating and lighting reserved), maple floors. Owners taking bids, due April 12th. In addition to those previously reported, Frank Curran, 3023 Richmond street; J. J. Murphy & Co., 1139 South Wilton street; J. B. Rowan, Moorestown, N. J.; J. Kresse Co., 1133 Broadway, New York City; W. F. Plass Bros., 145 West Eighteenth street, New York City; De Riso Bros., Town of Union, N. J.; Ed. Malloy, 2316 East Lehigh avenue; E. E. Hollenback, Fifteenth and Race streets; H. E. Batton, Twelfth and Sansom streets; E. C. Durell, 1713 North Twenty-fourth street; Harry Gill, Jr., 2515 Germantown avenue, Philadelphia, and Charles D. Burns, Bridgeport, Pa., are figuring.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Hospital (alts.), Fifteenth street, above Race street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, Hahnemann Hospital, on premises. Consists of new fire tower and sun parlors. Contract awarded to William Steele & Sons Co., Sixteenth and Arch streets, Philadelphia.

Factory (add.), Hutchinson and Oxford sts., Philadelphia. Architect, Fred T. Ritter, Seventh and Dauphin streets, Philadelphia. Owners, Ritter Manufacturing Co., 313 Green street, Philadelphia. Brick, 4 stories, slag roof, electric lighting. Contract awarded to Herman Voigt, 1251 North Twenty-eighth street, Philadelphia.

Prisons (alt. and add.), Holmesburg and Tenth and Reed streets, Philadelphia. Archi-

tect, J. H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prison Board, Tenth and Reed streets, Philadelphia. Stone and brick, fireproof, 1 and 2 stories, slate and slag roof (electric light, steam heat, mechanical system, plumbing, separate bids), asphalt floors, metal lath, enamel brick. Contracts awarded to H. E. Batton, Twelfth and Sansom streets, Philadelphia, \$106,793.

Factory, Columbia avenue and Hancock street, Philadelphia. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, D. L. & H. W. Short & O. W. Brenizer, 45 South Front street, Philadelphia. Brick, 2 stories, 60x128 feet, slag roof, composition floors (heating and lighting reserv-

UNITAS TILING

A non metallic substitute for tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

Barrett Specification Roofs

Approved by the Underwriters' Laboratories.

THE Underwriters' Laboratories of Chicago investigates and classifies all kinds of building materials for the Fire Underwriters, and the result of these investigations is used in the consideration of insurance rates and classifications.

In main, its reports cover fire hazard, but its investigations also include: durability, strength, practicability, etc., of the product or material tested.

We filed with the Underwriters' Laboratories a set of claims regarding Barrett Specification Roofs and materials.

Their investigation of these claims, covered several years and included a tremendous work in their own testing plant in Chicago and in the field where a large number of old roofs were visited and studied.

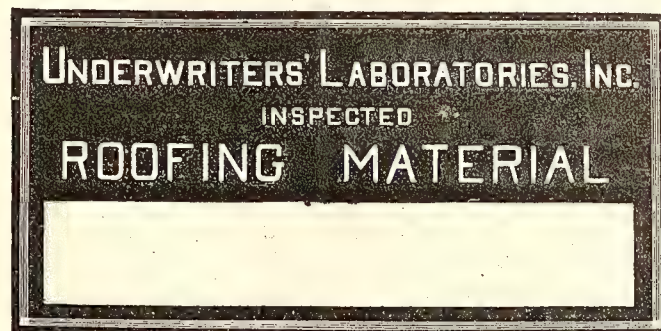
Their report substantiates our claims, as will be seen by the following excerpt:

"Their roof coverings (Barrett Specification Roofs) have been shown by tests and investigations at Underwriters' Laboratories to afford a high degree of fire protection to roof deck; to be not readily inflammable and not to carry or communicate fire to any material extent; nor to slip from position when heated; to possess little or no flying brand hazard; to exert considerable blanketing influence upon fires within buildings; to be durable under service conditions for periods in excess of 10 years; and to fulfill the requirements for the classification given."

No wonder Barrett Specification Roofs take the base rate of insurance.

Photographs taken after conflagrations and reproduced in the Report show Barrett Specification Roofs with large areas still intact in gutted buildings, constituting, with brick walls and large charred timber, the sole survivors of the fires!

We have accepted the inspection service of the Underwriters' Laboratories at our factories for regular testing of the materials for these roofs as to quality and weight of Barrett Specification Tarred Felt and Barrett Specification Pitch, and henceforth these materials will carry the Underwriters' Laboratories label in addition to our own Specification label.



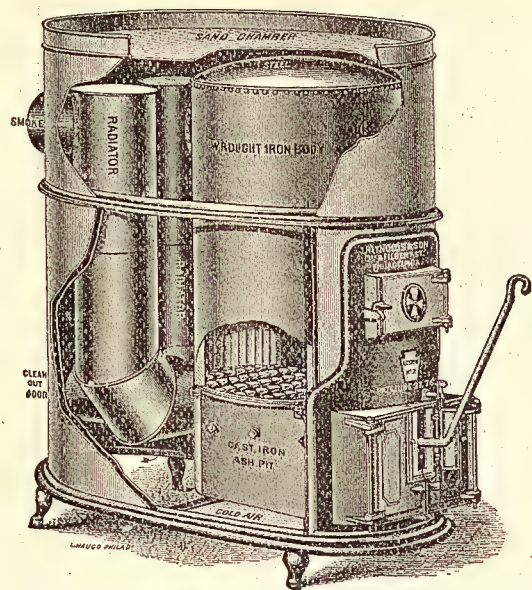
A copy of The Barrett Specification, with roofing diagrams, also complete report of Underwriters' Laboratories mailed free on request.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
 Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle
 THE PATERSON MFG. Co., Limited: Montreal Toronto Winnipeg Vancouver
 St. John, N. B. Halifax, N. S. Sydney, N. S.



Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia



METROPOLITAN BUILDING, PHILADELPHIA

One of the largest reinforced concrete structures in Philadelphia. A typical example of **TURNER CONCRETE CONSTRUCTION**.

Turner Concrete Steel Company
SPEED AND SATISFACTION
1713 Sansom Street, Philadelphia, Pa.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

ed). Contract awarded to J. Sims Wilson, 1125 Brown street, Philadelphia.

School, Eighty-sixth and Tinicum avenue, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Raphael's R. C. Church, care of Rev. J. J. Kane, on premises. Brick and stone, concrete, fireproof, 2 stories and basement, 61x123 feet, slag roof, iron stairs (heating and lighting reserved). Contract awarded to William McShane, 417 South Thirteenth street, Philadelphia.

Coal Trestle, Bridesburg, Philadelphia, \$10,000. Architect, private plans. Owners, E. H. Fitler Co., Bridesburg, Philadelphia. Concrete and steel, 720 feet long. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Power House, Thirty-fifth and Gray's Ferry road, Philadelphia, \$15,000. Engineers, Wadleigh & Osborn, Real Estate Trust Building, Philadelphia. Owners, Harrison Bros., on premises. Brick, steel and concrete, 1 story, 57x47 feet, slag roof. Contract awarded to H. E. Batton, Twelfth and Sansom streets, Philadelphia, for construction, except steel work.

Apartment House, northeast corner of Seventeenth and Walnut street, Philadelphia, \$750,000. Architect, Frederick Webber, Morris Building, Philadelphia. Owner's name withheld. Brick, stone and steel, fireproof, 12 stories, 47x117 feet, slag roof, iron stairs, metal lath, steam heating, electric lighting, dampproofing, steel stacks. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Restaurant, 1520-22 Market street, Philadelphia. Architects, Henon & Boyle, 10 South

Eighteenth street, Philadelphia. Owner, William B. Levis, 1520 Market street, Philadelphia. Brick, terra cotta, fireproof, 2 and 3 stories, 30x76 feet, wing 15x47 feet, slag roof, tile and oak floors, steam heating, electric lighting, waterproofing. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Benzoil Plant, Frankford, Philadelphia, \$20,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Barrett Manufacturing Co., Land Title Building, Philadelphia. Brick, steel and concrete, 3 stories, 75x100 feet, slag roof, electric lighting. Contract awarded to A. L. Carhart, Hale Building, Philadelphia.

Store and Apartments (alt. and add.), 2751 Germantown avenue, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, R. Kanter, on premises. Brick, 3 stories, 17x72 feet, slag roof, electric lighting, hot air heating, oak floors. Contract awarded to Jacob Schwankman, 5550 Crowson street, Germantown.

Residence, 6426 Sherwood avenue, Overbrook, Philadelphia, \$8,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owners, Wendell & Smith, Overbrook, Philadelphia. Stone, 2½ stories, 26x41 feet, slate roof, electric lighting, steam heating, oak floors. Contract awarded to M. W. Young, Overbrook, Philadelphia.

Sheds (2), Margaret and Pennsylvania R. R., Philadelphia, \$3,000. Architect, private plans. Owners, Swartz Wheel Co., Margaret street and Pennsylvania Railroad, Philadelphia. Frame, 1 story, 32x152 feet, slag roof. Contract awarded to P. M. Sax, Heed Building, Philadelphia.

PENNSYLVANIA

Construction News

Residence, Bryn Athyn, Pa. Architect, John A. Walker, Bryn Athyn, Pa. Owners, the Academy of the New Church, Bryn Athyn, Pa. Hollow tile and plaster, 2½ stories, 33x24 feet, shingle roof, tile work (heating, plumbing and electric work reserved). Architect has received bids.

Store Building, Swarthmore, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, C. N. Jones, Swarthmore, Pa. Brick, 1 story, 21x45 feet, asbestos shin-

gle roof, electric light (heating reserved). Architect taking bids, due April 6th. The following are figuring: A. C. Lewis, William Brannan, Carroll Thayer and J. D. Durnall, all of Swarthmore, Pa.; George W. Grover, Morton, Pa.; J. W. Meckert, Ridley Park, Pa.

Car Barn, Oil City, Pa., \$15,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Citizens' Traction Co., Oil City, Pa. Brick, concrete and steel, 1 story, 38x150 feet and 15x100 feet, slag and con-

LIGHTING FIXTURES

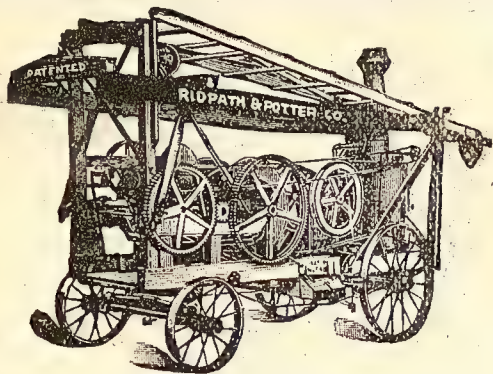
In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

crete roof. Plans in progress. Engineers will take bids in three or four weeks.

Factory Buildings, Harrisburg, Pa., \$150,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, W. O. Hickok Manufacturing Co., Harrisburg, Pa. Brick, concrete and steel, 1 and 2 stories, consists of machine shop, wood working shop, office building, garage and stable and power house. Plans completed. Engineers are ready for sub-bids on all lines.

Residence, Merion, Pa. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, W. H. Steigerwalt, Merion, Pa. Stone and plaster, 2½ stories, 107x50 feet, slate roof, electric lighting, vapor vacuum heating, oak floors, metal lath. Owner taking bids. J. E. Kearney, 327 North Sixth street, Philadelphia, is figuring.

Bridge, No. 3, Reading, Pa. Architect, Wm. H. Hunter, Twelfth and Market street, Philadelphia. Owners, Philadelphia and Reading Railroad Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 70x70 feet, waterproofing. Owners taking bids, due April 10th. The following are figuring: Brann & Stuart, Commercial Trust Building; Brown-King Const. Co., Commercial Trust Building; A. L. Carhart, Hale Building; C. P. Bower, Nineteenth and Courtland streets; James McGraw, Commercial Trust Building, all of Philadelphia; C. H. Reimard and the Reading Construction Co., 622 Court street, both of Reading, Pa.

Residence, Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Frank Achenback, Pottstown, Pa. Hollow tile or brick and plaster, 2½ stories, 35x40 feet, slate roof, hot water heating, electric lighting, hardwood floors. Plans in progress. Architects will take bids in one week.

Temple, Pittsburgh, Pa. Architects, Huehl, Schmid & Holmes, Chicago, Ill. Owners, Mystic Shrine, Pittsburgh, Pa. Stone, brick and steel, fireproof, 4 stories, 130x206 feet, asbestos and tile roof, electric lighting, steam heating, waterproofing, safety treads, iron stairs, steel lockers, bond. Architects have received bids.

Laboratory, Primos, Pa. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Primos Chemical Co., Primos, Pa. Brick and concrete, 2 stories, 42x123 feet, slag roof, electric lighting, steam heating, safety treads, metal sash, waterproofing. Architects taking bids, due April 8th.

The following are figuring: H. E. Baton, Twelfth and Sansom streets; A. Raymond Raff, 1635 Thompson street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; Turner Concrete Steel Co., 1713 Sansom street; H. H. Wehmeyer, 1004 West Lehigh avenue; F. T. Mercer Co., 1706 Delancey street; Guernsey-O'Meara Co., North American Building; J. B. Flounders, 1329 Arch street, all of Philadelphia.

School, Mahanoy City, Pa., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Mahanoy City, Pa. Brick and stone, fireproof, 3 stories, 100x160 feet. Plans about completed. Architect ready for bids in about two weeks.

School, Lansford, Pa., \$100,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Lansford, Pa. Brick, fireproof, 3 stories, 125x175 feet. Plans in progress.

Chapel, Southampton, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Davisville Baptist Church, Southampton, Pa. Hollow tile and plaster, 1 story, 32x60 feet, shingle roof, hot air heating, electric lighting. George Hogg, 1634 Sansom street; H. E. Grau Co., 1709 Sansom street, Philadelphia; John Ramsey, Ivyland, Pa.; Frank Hesen, Churchville, Pa.; Joseph Ashby, Fox Chase, Philadelphia; Frank Severns, Southampton, Pa., are figuring. Architect taking bids, due April 6th.

Residence, Tamaqua, Pa. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owner, T. Wehr, Tamaqua, Pa. Brick, 3 stories, 25x50 feet, slate and slag roof, electric lighting, hot water heating, parquet floors. Plans completed. Owners will take bids.

Garage, Easton, Pa. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owners, Pomfret Realty Co., Easton, Pa. Brick, 1 story, 50x55 feet, slag roof (heating and lighting central plant). Plans in progress.

Residence, Wyncote, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, T. E. Watt, Wyncote, Pa. Stone and plaster, 2½ stories, slate roof, hot water heating. Architects taking bids, due April 9th. The following are figuring: Specht & Sperry, Heed Building; Eugene Tourison, 1001 Chestnut street; Fesmire & Mitchell, Glenside, Pa.

Greenhouse (alt. and add.), Cornwall, Pa. Architects, Bissell, Sinkler & Tilden, Bailey Building, Philadelphia. Owner, Miss I. C. Freeman, Cornwall, Pa. Consists of general alterations and additions. Architects taking



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

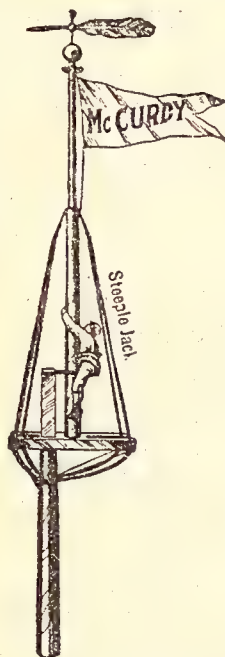
1927 Montgomery Avenue

Philadelphia, Pa.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

All Sizes

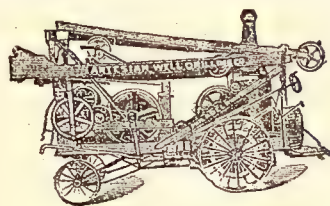
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty

Ranges and Heaters

114 N. 2nd St., Phila.

bids, due April 6th. The following are figuring: J. H. Greiner, H. Buffamoyer, Shenk Bros., all of Lebanon, Pa.

Residence, Bethayres, Pa., \$30,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Joseph Wharton Lippincott, Sixth and Locust streets, Philadelphia. Stone, 2½ stories, 80x29 feet, shingle roof, oak floors, tile work, warm air heating, electric lighting, metal weather strips. Architects taking bids, due April 14th. The following are figuring: J. Sims Wilson Co., 1125 Brown street; Sinclair & Driscoll, 1524 Chestnut street; Wm. H. Eddleman & Sons, 453 Green lane, Roxborough, Wm. J. Gruhler Co., 219 East High street; James H. Wells, Heed Building; F. L. Hoover & Sons, 1023 Cherry street; Thomas M. Seeds, 1207 Race street, all of Philadelphia, and W. John Stevens, Wyncote, Pa.

Fire Tower and Toilet Room, Ardmore, Pa. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, St. Colman's R. C. Church, Ardmore, Pa. Stone, 1 and 3 stories, slate and slag roof, electric lighting. Architects taking bids, due April 12th. The following are figuring: John McShain, 631 North Seventeenth street; Stacy Reeves & Sons, 2011 Market street; M. L. Conneon & Co., 2105 Cuthbert street; J. Maguire, Wayne, Pa.; D. W. O'Dea, 5219 North Fifth street, Philadelphia.

Residence and Garage (alt. and add.), Newtown Square, Pa. Architects, Duhring Okie & Zeigler, Bailey Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 60x80 feet, shingle roof, hot water heating, electric lighting, oak floors. Architects taking bids, due April 7th. R. C. Ballinger, 218 North Thirteenth street, and Jacob Myers & Sons Co., Witherspoon Building, Philadelphia, are figuring.

Store Building (alt. and add.), Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. S. Bashore, Lebanon, Pa. Brick, 3 stories, 30x180 feet, consists of new metal store fronts and interior alterations, composition roof, electric lighting, metal lath. Plans in progress.

Synagogue, Reading, Pa., \$20,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner's name withheld. Brick, 1 story, 45x80 feet, tin roof, steam heating, electric lighting. Revised plans in progress.

Picture Theatre, Reading, Pa. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner's name withheld. Brick, 2 stories, 40x90 feet, slag roof, steam heating, elec-

tric lighting, composition floors, metal lath. Plans in progress.

Residence, Stony Creek Mills, Pa., \$8,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner, M. Filetto, Gordon street, Reading, Pa. Brick and hollow tile, 2 stories, 36x80 feet, asbestos shingle roof, hot water heating, electric lighting, tile work, hardwood floors, dampproofing. Plans completed. Architect ready for bids.

Residence, Freidensburg, Pa., \$9,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner, Raymond De Turk, Freidensburg, Pa. Brick, stone trimmings, 3 stories, 33x50 feet, tin roof, hot air heating. Architect taking bids, due April 8th. The following are figuring: Adam Spatz, Wernersville, Pa.; Charles H. Schlegel, Mt. Penn, Pa.; Howard J. Fick, 615 North Eleventh street, Reading, Pa.

Apartment House, Reading, Pa., \$15,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner, Harry Zable, Reading, Pa. Brick, stone trimmings, 4 stories, 26x135 feet, tin roof, hot water heating, gas and electric lighting, composition floors. Architect taking bids, due April 7th. The following are figuring: Howard J. Fick, Beard Construction Co., Daniel H. Hunter, H. J. Raudenbush, L. H. Focht & Son, all of Reading, Pa.

Store Building, Glenside, Pa. Architect, George Clothier, Jr., Glenside, Pa. Owner, W. L. Raiser, Glenside, Pa. Brick, 3 stories, 32x100 feet, slag roof, electric lighting, steam heating. Architect taking bids, due April 15th. The following are figuring: Krewson Bros., Glenside, Pa.; Scott W. Hahn, Glenside, Pa.; F. L. Hoover & Sons, 1023 Cherry street; Fosmire & Mitchell, Glenside.

Church (alt. and add.), North Wales, Pa. Architect, E. F. Ott, 4259 North Seventh st., Philadelphia. Owners, Sanctuary Methodist Church, North Wales, Pa. Stone, 1 story, 35x36 feet, slate roof, electric lighting, steam heating. Plans in progress.

Cottage (No. 1), Laurelton, Pa., \$25,000. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, Pennsylvania Village for Feeble Minded Women, Laurelton, Pa. Stone, fireproof, 2½ stories, 53x68 feet, slate and slag roof, composition floors, metal lath, safety treads (heating and lighting and plumbing separate bids). Owners taking bids, due April 9th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; I. T. Shoemaker, 1309 Walnut street; Monaghan & Losse, 214 South Twelfth street; F. L. Hoover & Co., 1023 Cherry street; James H.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building

Philadelphia, Pa.

Wells, 1215 Filbert street; George Hogg, 1614 Sansom street; Metzger & Fisher, Denckla Building; F. Roe Searing, Perry Building; F. T. Mercer, 1706 Delancey street; D. J. McNamee, 1621 North Fifteenth street, Philadelphia; Mahlon G. Philips, Milton, Pa.; H. W. Wentzelberger, Philipsburg, N. J.; Enoch Miller, Mifflinsburg, Pa.; W. D. Steinbach's Sons, Lewistown, Pa.; The Conners Bros. Co., 64 West Eighty-eighth street, New York City.

Residence (alt. and add.), Radnor, Pa. Architect, Thomas M. Shaw, Boston, Mass. Owner, Marian Mott, Radnor, Pa. Brick and plaster, 2½ stories, copper roof, electric lighting, oak floors, metal lath (heating reserved). Architect taking bids, due April 20th. The following are figuring: M. N. Croll, Radnor, Pa.; F. H. Mahan, Ardmore, Pa.; H. E. Grau Co., 1709 Sansom street, Philadelphia.

Church, Freeland, Pa. Architect, Louis H. Giele, 1123 Broadway, New York City. Owners, St. John's R. C. Church, Freeland, Pa. Hollow tile and plaster, 1 story, 70x100 feet, slate roof, electric lighting, steam heating, metal lath. Architect taking revised bids, due April 8th. John McShain, 631 North Seventeenth street, Philadelphia, is figuring.

Sewage Disposal Plant, York, Pa., \$75,000. Engineer, J. K. Giesey, York, Pa. Owners, City of York, York, Pa. Bennett & Morgan, Lebanon, Pa., submitted the lowest bid.

Residence (alt. and add.), Gradyville, Pa. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Walter M. Jeffords, 2300 DeLancey street, Philadel-

phia. Stone, 2½ stories, 2 wings, 45x90 feet, electric lighting (heating reserved), shingle roof, cork and oak floors, dampproofing, waterproofing. Architects taking bids, due April 10th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; J. S. Cornell & Sons, Land Title Building; R. C. Ballinger, 218 North Thirteenth street, all of Philadelphia.

Residence, West Bethlehem, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owner, C. M. Stauffer, West Bethlehem, Pa. Hollow tile and plaster, 2½ stories, 30x38 feet, slate roof, electric lighting, hot water heating, oak floors. Plans completed. Owner taking bids.

Laboratory, Meadville, Pa. Architect, H. D. Whitfield, 160 Fifth avenue, New York City. Owners, Allegheny College, Meadville, Pa. Brick, fireproof, 2 stories, 65x128 feet, slate and tile roof, metal lath, steam heating, electric lighting, glazed brick, safety treads, waterproofing, dampproofing, iron stairs. Architect taking bids. William R. Dougherty, 1610 Sansom street, Philadelphia, is figuring.

Hospital (add.), Lebanon, Pa. Architects, Bissell, Sinkler & Tilden, Bailey Building, Philadelphia. Owners, Good Samaritan Hospital, Lebanon, Pa. Brick, 2 stories, 56x142 feet, slag roof, steam heating, electric lighting, fireproofing. Architects taking bids, due April 14th. The following are figuring: H. H. Burrell, 206 South Quince street; James H. Wells, Heed Building, Philadelphia; H. Buffamoyer, J. H. Griener, and Schenk Bros., all of Lebanon, Pa.; J. L. Menough & Sons, York, Pa.

PENNSYLVANIA Contracts Awarded

Apartment House, Reading, Pa., \$18,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner, George Lerch, 408 North Ninth street, Reading, Pa. Brick, 3 stories, 30x108 feet, slag roof, steam heating, gas and electric lighting, metal lath, tile work. Contract awarded to H. J. Raudenbush, Reading, Pa.

Apartment House, Reading, Pa., \$9,500. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner, Wm. Redcay, 202 South Ninth street, Reading, Pa. Brick, 3 stories, 18x95 feet, tin roof, steam heating, electric lighting. Contract awarded to Daniel H. Hunter, 820 North Eleventh street, Reading, Pa.

Apartment House, Reading, Pa., \$5,000. Architect, private plans. Owner, J. Sondheim, Reading, Pa. Brick, 4 stories, 20x26 feet, slag roof, steam heating, electric lighting. Contract awarded to Charles H. Schlegel, Mt. Penn, Pa.

Home, Elizabethtown, Pa., \$35,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Masons of the Seventh District, Berks County, Pa., Frederick Marx, Chairman, Reading, Pa. Stone and hollow tile and concrete, 3 stories, 58x32 feet, variegated slate roof, electric lighting, ornamental iron stairs (heating reserved). Contract awarded to Adam Spatz, Wernersville, Pa.

Bank, Pottsville, Pa., \$75,000. Architects, Mowbray & Uffinger, 56 Liberty street, New York City. Owners, Pennsylvania National Bank, Pottsville, Pa. Stone, fireproof, 1 story, 39x81 feet, slag roof, electric lighting, steam heating, waterproofing, iron stairs, metal lath, metal frames and sash. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Residence and Garage, Moreland Township, Pa. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owner, Paul Synnestvedt, Commonwealth Building, Philadelphia. Stone, 2½ stories, 27x78 feet, shingle roof, vapor vacuum heating, electric lighting, oak floors. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

School, Coatesville, Pa., \$86,985. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Coatesville, Pa. Brick, fireproof, 3 stories, 136x138 feet, composition roof (heating, lighting and plumbing reserved), safety treads, metal lath, weather strips. Contract awarded to W. J. Elliott, Coatesville, Pa.

Landscape Work, Haverford, Pa., \$20,000. Architects, Carrere & Hastings, New York City. Owner, Dr. Lewis S. Zeigler, 1625 Walnut street, Philadelphia. Conssits of Lake, Sunken Gardens, roadways and drives. Con-

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

**622 Cherry Street
PHILADELPHIA - PA.**

A Gas Circulating Water Heater

delivered and installed on the first floor or basement of your home for a first payment of

Only \$1.25

The balance payable \$1.25 a month. \$13.50 without flue connection. \$15 with flue connection. This is an exceptional opportunity to secure a convenient, economical and dependable hot-water service.

Send for a Representative.

**The United Gas
Improvement Company**

**HARRY C. EISENBISE CO.
Consulting Engineers**

**1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91**

R. O. SCHEEL, PRESIDENT

FLOORS

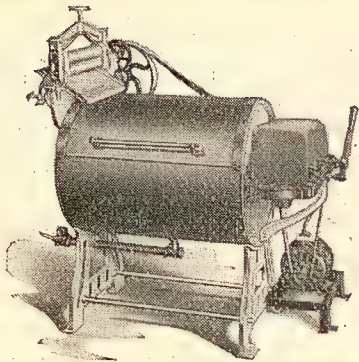
PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.
9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Laundry Equipment



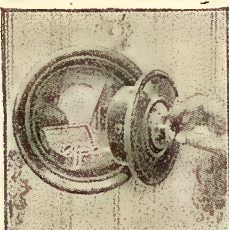
AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City



Residence of Mr. Geo. D. Pratt, Glen Cove, L. I.
Trowbridge & Ackerman, Arch. Chas. T. Wills, Inc., Bldg.

THE entire exterior surface of this granite residence waterproofed against driving rains by our colorless treatment without discoloring.

THE AQUABAR COMPANY
Waterproofing Engineers & Contractors
Philadelphia, Pa.



MEILINK WALL SAFES

FOR HOME OR APARTMENT
Best Quality Lowest Price

Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.

FACTORY FOR SALE

N. E. Cor. Mascher & Master Sts.

3-story Mill, 25 x 70, with adjoining yard, 27 x 70, containing boiler, engine and machinery in first class condition for wood-working mill. Immediate possession. Will make terms to prospective purchaser. Can be examined by appointment. Phone Walnut 1450 or Race 1769.

GEORGE H. JOHNSON, 1218 Chestnut Street

tract awarded to George & Borst, 277 South Eleventh street, Philadelphia.

Residences (2), Bryn Mawr, Pa., \$8,000. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, M. Brown, 783 South Sixth street, Philadelphia. Brick, 2 stories, 36x40 feet, slate roof, hot water heating, electric lighting. Contract awarded to Doyle Bros., Bryn Mawr, Pa.

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

NEW JERSEY Construction News

Post Office, Plainfield, N. J. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S. Government, Washington, D. C. Stone and brick, fireproof, 1 story, 95x96 feet, slag roof, electric lighting, steam heating, metal lath, dampproofing, waterproofing. Lowest bid submitted by Charles Gilpin, Harrison Building, Philadelphia, \$105,100.

Residence, Moorestown, N. J., \$5,000. Architect, J. C. Jefferies, 1001 Chestnut street, Philadelphia. Owner, Edward Sharpless, Moorestown, N. J. Hollow tile and stucco, 2½ stories, 30x40 feet, slate roof, electric lighting (heating reserved), oak floors. Plans in progress.

Factory (rebuilding), Front and Federal streets, Camden, N. J. Architect, J. C. Jefferies, 1001 Chestnut street, Philadelphia. Owners, Collings Carriage Co., Camden, N. J. Brick, 3 stories, 90x100 feet, slag roof, electric lighting, steam heating. Plans in progress.

Residence, Oriental and Seaside avenues, Atlantic City, N. J. Architect, C. E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick and hollow tile, 3 stories, 39x52 feet, slate roof, electric lighting (heat reserved), oak floors. Revised plans in progress.

Factory Building, Bridgeton, N. J. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Greenebaum Bros., Bridgeton, N. J. Brick, 1 story, 100x200 feet, slag roof (heating and lighting reserved), waterproofing, rolled steel sash. Architects taking bids, due April 7th. The following are figuring: H. H. Hawkins & Bros., Grosscup & Sons, George Maier & Bros., all of Bridgeton, N. J.; Smith-Hardican Co., 1606 Cherry street; George Hogg, 1634 Sansom street; Philadelphia; Kimball, Prince & Co., Millville, N. J.

Shop, Meadow Yards, N. J. Architect, private plans. Owners, Pennsylvania Railroad Co., Jersey City, N. J. Brick and concrete, 1 story, 113x152 feet, slag roof, waterproofing. Owners taking bids, due April 12th. The following are figuring: Charles Gilpin, Harrison Building; W. W. Lindsay Co., Harrison Building; Roydhouse-Arey Co., Fidelity Building; Brann & Stewart, Commercial Trust Building, all of Philadelphia.

Bungalow, Sumner, N. J. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, George A. Crump, Merchantville, N. J. Frame, 1½ stories, 20x39 feet, shingle roof, hot air heating. Architect taking bids, due April 7th. The following are figuring: Specht & Sperry, Heed Building, Philadelphia, and Milton W. Young, Overbrook, Philadelphia.

School, Woodbury, N. J. Architect, Chas. R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Woodbury, N. J. Brick, 2 stories and basement, concrete fireproof, metal lath, slag roof, safety treads (heating and lighting separate bids). Revised plans in progress.

High School, Trenton, N. J., \$250,000. Architect, W. A. Poland, 9 South Stockton street, Trenton, N. J. Owners, Board of Education, Trenton, N. J. Brick, stone and steel, fireproof, 3 stories. Owners taking bids, due 2 P. M. April 29th. Plans may be obtained from architect upon deposit of \$25.00.

Morgue and Laboratory, Morris Plains, N. J., \$10,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Morris Plains, N.

J. Brick and terra cotta, 2½ stories, 30x45 feet, quarry tile roof, steam heating, electric lighting, composition floors, waterproofing and dampproofing. Plans in progress.

Residence, Trenton, N. J., \$6,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, Walter H. Orr, 55 Delawareview avenue, Trenton, N. J. Hollow tile and stucco, 2½ stories, 29x44 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Plans about completed. Architects will take bids in a few days.

Residence, Trenton, N. J., \$5,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Harry Robins, 28 Woodland street, Trenton, N. J. Brick, 2½ stories, 37x34 feet, slate roof, gas and electric lighting, heating undecided. Owner ready for bids.

Church, Roebling, N. J. Architect, W. P. Endebrock, American Mechanics' Building, Trenton, N. J. Owners, St. Mary's R. C. Church, Rev. E. Lucacu, 730 Cass street, Trenton, N. J. Brick, 1½ stories, 28x45 feet, slate roof, electric lighting. Architect has received bids.

Workshop (add.), Morris Plains, N. J., \$10,500. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Morris Plains, N. J. Brick and concrete, 2½ stories, 30x36 feet, slag roof, steam heating, electric lighting. Owners taking bids, due April 14th. The following are figuring: Herman Voigt, Twenty-eighth and Thompson streets; Thomas C. Traf-ford, 1613 Sansom street, both of Philadelphia; J. J. Lyons, Morristown, N. J.; McMiller Construction Co., 758 Broad street, Newark, N. J.; Jersey City Const. Co., 75 Montgomery street, Jersey City, N. J.; Chas. Y. Barlow, Trenton, N. J.; Piper Bros., Trenton, N. J.

Immigration Station, Gloucester, N. J. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S. Government, Washington, D. C. Frame, 1 story, 140x205 feet, felt roof, electric lighting, steam heating. Owners taking bids, due April 20th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Factory, New Brunswick, N. J. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Bros. Co., Third and Spruce streets, Philadelphia. Brick, 4 stories, 90x100 feet, slag roof, electric lighting, steam heating. Architect taking bids, due April 7th. The following are figuring: William Steele & Sons Co., Sixteenth and Arch streets; Joseph Bird Co., 213 North Eleventh street; L. F. McNeill, 1713 Sansom street, Philadelphia; A. F. Horner, A. E. Horner, G. B. Rule, all three of New Brunswick, N. J.

Residence (alt. and add.), Pemberton, N. J. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owner, Theodore H. Budd, Pemberton, N. J. Brick and plaster, 2½ stories, hot water heating, electric lighting, oak floors. Architect taking bids, due April 9th. The following are figuring: Wallace & Warner, Lafayette Building, Philadelphia; J. S. Rogers Co., W. A. Richman, Stewart L. Maines, all of Moorestown, N. J., and G. W. Shaner, Palmyra, N. J.

(Continued on page 226.)

Philadelphia's Largest Store

stands as a monument to fifty years of merchandising success. "Build it to last" were the instructions of John Wanamaker to his architects and engineers. In this great structure, occupying an entire block, with 45 acres of floor space and 50,000 daily visitors, the builders used five 25-car trainloads of

ALPHA PORTLAND CEMENT

The High-Water Mark of Quality

Exacting tests were applied. These tests showed, as they always do, that ALPHA could be depended upon for uniformity of composition, thorough burning, fine grinding, proper ageing and maximum strength.

In great works everywhere—in the New York Aqueduct, in the Pennsylvania Railroad's New York Terminal, in the Union Station, Washington, in important bridges, in government forts, piers and dry docks—wherever the demand has been for uniform high quality, as proved by the most exacting of scientific tests—ALPHA Portland Cement has given full satisfaction.



The Wanamaker Store, Philadelphia's Largest Retail Mercantile Structure; Five Trainloads of ALPHA Cement Used.

The production of high grade Portland Cement requires the exercise of the greatest care and long experience. ALPHA Cement represents 24 years of experience. In every ALPHA plant chemists are the dictators. They make hourly tests throughout the process of manufacture, to keep ALPHA up to the exceptional standard that represents the high-water mark of quality.

Every sack of ALPHA is warranted to *more than meet* all recognized requirements. Neither sharp competition nor zeal for impressive output at low cost is allowed to lower the ALPHA standard.

Cement is the bone and sinew of your building. You *might* get good results with almost any cement, but you can be absolutely sure that the grip of the concrete will be everlasting when you use ALPHA, the guaranteed Portland Cement.

Six great plants on six trunk line railroads—one on the Hudson River—with a daily capacity of 25,000 barrels and storage for 2,000,000 barrels, insure prompt shipments of thoroughly seasoned cement at all times.

Ask for ALPHA Book No. 18, giving information of value on cement and concrete work. Sent free.

ALPHA PORTLAND CEMENT CO.

Sales Offices: Harrison Building, Philadelphia

(Telephones: Bell, Spruce 4969. Keystone, Race 2377)

Other Sales Offices: New York, Chicago, Boston, Pittsburgh, Buffalo, Baltimore and Savannah.

General Offices: Easton, Pa.



The Grand Court in the Wanamaker Store, Philadelphia, containing the Largest Organ in the World.

Specify ALPHA and be SURE

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada \$5.50 a year
To all points in Europe \$5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

[Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., APRIL 7, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors....{ Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—"C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Broekie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John F. Harbeson
Vice-President.....Herman L. Duhring
Secretary.....Frederick A. Muhlberg
Treasurer.....Walter Mellor
Directors—Clarence C. Zantzinger, John Molitor, John Graham, Jr., Frederick A. Muhlberg.

Editorial Comment

Considerable criticism is heard in trade circles regarding the unduly drastic provisions of the Workmen's Compensation Bill, drawn by Attorney General Brown, at the suggestion of Governor Brumbaugh, and now pending at Harrisburg. This measure was the subject of extended discussion at recent meetings of the Lumberman's Exchange of Philadelphia and the Pennsylvania Manufacturers' Association. The consensus of opinion, at both meetings, favored the view that the bill, if adopted in its present shape, would have the effect of practically driving out of business a host of small manufacturers affected by its provisions. Most manufacturers favor a compensation measure, but take the ground that, to be a successful solution of the problem with which it is expected to deal, it must be a law as equitable in its bearing upon the interests of the employer as upon the welfare of the employee.

If the bill could be so amended as to divide the responsibility along the lines of State 50 per cent.; employer, 25 per cent., and employee, 25 per cent., we have no doubt that it would gain the hearty co-operation and approval of many of the interests now antagonistic to its enactment.

The employee as the ultimate beneficiary of the act would be under small hardship in carrying a light percentage of the risk. The cost per year on each employee affected would be a comparative trifle and would be worth more by many times than the amount involved for its efficiency in avoiding damage suits, court costs, attorney fees and other expenses incidental to litigatory procedure.

It is to be hoped that Governor Brumbaugh will endeavor, before enforcing final action on this bill, to look at the problem from the viewpoint of the manufacturer or employer.

We have the sincerest belief in the Governor's desire to be fair and equitable in this as in other reforms to which he has committed the support of his administration. If trade bodies with a direct personal interest in this subject of workman's compensation will write the Governor and the Attorney General expressing their views upon the moot points at issue, we are ready to believe that both officials will be willing to meet half way any reasonable, just and equitable proposition looking to a practical solution.

Certain decidedly novel, not to say original, views upon "How to Build" are embodied in an article on this subject by Mr. W. J. Hoggson, head of a New York and Chicago contracting concern. Mr. Hoggson, who is obviously of the small and unimportant but rather noisy coterie which holds that the contractor should boss everybody on the job, the architect included, starts out with the proposition that,

"The first and greatest economy to be sought in the construction of a building is in

apportioning the space to the best advantage, and this means not the ordinary planning by the architect, but a further minute arrangement of space to suit the use of the occupant. A perfectly good plan by an architect, well balanced, symmetrical and admirable so far as it goes architecturally, may contain fatal flaws when the furniture or paraphernalia to fit it for the use of the occupant is placed. Hence the logical method is to plan from the inside out. The average architect, deeply immersed in the problems of construction, generally fails to recognize the enormous importance of arrangement, if indeed he has the knowledge or experience to successfully cope with the subject.

"The height of ceilings, the distance light will carry in an office room or apartment, the proper and economical width and lighting of corridors, the size of rooms or offices, the arrangement of lighting, the possible position of furniture, and ventilation, are all questions among the rudimentary ones to the interior designer, and as he is being consulted more and more in the planning of space, buildings are being reduced in size to a given area—giving rentable space at a better price, and by reducing the initial investment increasing the rate of income very materially.

"The selection of an architect to design a building," observes Mr. Hoggson, "is a most serious matter. Architecture is like medicine or law, only slightly, for most architects are yet 'general practitioners' and cheerfully essay to design any kind of a structure, previous inexperience causing no qualms nor fears of failure.

* * *

"A man who has made a success of picturesque country buildings, to start on a modern skyscraper is pretty apt to cost the owner a considerable sum through his inexperience, so the selection of a designer for a building should be made by some one who has through long experience and practice found the troubles and comes to the problem with knowledge and experience gained through work of similar nature.

"If the building owner can obtain the aid of some one who is familiar with the work of many architects and who is competent to select a specialist, the owner will never regret it; his fee is earned many times over by the special training he is able to bring to the solution of your problem.

"And now, as to what is ordinarily meant by economy. It is the expenditure of as little time, effort and money as possible to secure the desired result in a building operation.

"The waste of time in preparing plans and specifications is enormous and occurs principally because the designer does not know costs and hence draws plans for something that he finds out afterwards cannot be built. A knowledge of what a thing ought to cost is the safeguard that a man in any business

must have to make a success—and in building, with the price of labor and material constantly fluctuating, no one but an organization combining both the features of designing and constructing buildings is able to figure the unit of value on each part of the work and can possibly tell what the cost of a certain building ought to be.

"Competition demonstrates nothing and is of no help whatever to the owner if he has no one to tell him whether the lowest of several bids is high or low. Therefore, the first saving to make is to be sure that the building proposed can be built within the appropriation.

* * *

"As to a saving in effort, bother, worry and annoyance. Why should not an owner who determines to put up a building, and is willing to expend a reasonable amount of money for the purpose, be able to go to some firm and order one, as a navigation company orders a ship, complete, read for sea? I firmly believe that the time is coming, and soon, when this will be possible. There is no reason why a man who builds in the expectation of receiving a return on his investment of 8 per cent. should find out when his building is finished that his return is less than half this percentage; and this is what happens very, very often.

"The vessel that is guaranteed to make a speed of twenty knots would hardly be accepted and paid for if she could make only ten knots. There are firms of builders who have the ability, experience and equipment to do exactly this thing, and if they would accept the responsibility, the time and effort that is now wasted in the erection of buildings would be largely eliminated and that saving could be used to the great benefit of the building erected.

"In reference to the cost of labor and material in the buildings, and the best way to get the best value, competition is of some value to the man or firm that knows values. Though two merchants having the same article on their shelves and offering it for sale in competition would ultimately reach a point where they would probably by agreement place on their wares a price that was sufficient to support the two merchants.

"It must be borne in mind, however, that in a building operation the large item is labor; and granting all the advantages that good purchasing does for a job the service to be rendered—the labor cost—is the principal expense.

* * *

"It seems to be overlooked by many owners that it is often as dangerous to employ contractors by competition and force them to execute a contract that is a hardship for them, as it would be to employ in the same way a doctor or a lawyer. The service to be rendered can vary so much and still be within the strict terms of the contract. I say, then, select a builder as you would a lawyer for the service he is to render, and agree on his remuneration, obtaining a willing enthusiastic service.

"Look well into his record, his ability to

purchase, to take advantage of all cash discounts, his organization, equipment, and his method of handling work. See if he uses up-to-date management in his scheduling of jobs and in the fabrication as well as the manufacture of parts in his mill. All these things are of more importance than the price he quotes, for no bond, no guarantee, no promise by any incompetent contractor can make good his failure in these essentials. Employ first your interior designer, make him responsible for the arrangement of space and for the furnishing of such space for the occupants of the building (whether you buy the furniture or not); hire then your builder and agree with him on a remuneration that you know to be a fair one for him and you, and obtain all his enthusiasm and experience in adjusting practical details and costs with the architect, make him responsible for a satisfactory result—that is a satisfactory building within a price you are willing to spend.

* * *

"The elimination of waste of time and effort in the preparation of plans under this method as well as the saving effected in obtaining bids, and adjusting costs which ordinarily the architect undertakes, and which should be taken care of by the business organization of the builder entirely fitted for such work, will allow the architect to give much more attention to your job than he ordinarily can afford to.

"It has been said that no architect makes any money until he has more business than he can properly attend to; and if this is so, it is a way to enable him to put in his personal time and give proper attention to work of the people who employ him, for such an arrangement would allow him to get his costs as his plans progressed and not to finish up all the drawings, have them approved by the owner, and find afterwards that the bids were all over 25 per cent. higher than the appropriation, necessitating a revision of his work or either new plans. This method allows the architect a greater profit than he obtains in the competitive way—by the more efficient manner of going at it, and the reduced expense necessary to accomplish his task.

"The ideal way would be to find a firm who would agree to furnish under a single contract, the interior designer, the architect and the contractor, and agree to deliver the satisfactory completed building ready to occupy, just like a ship ready for sea—for the amount of the appropriation, but as contractors obtain most of their business through the offices of the architect, it may be some time before the ideal way can become universal, and these suggestions, though somewhat revolutionary, will accomplish wonders in the economical erection of buildings."

* * *

This proposition to make the architect a subordinate factor to the builder is not new. In various forms and under various disguises it has been making its appearance over a long term of years. If the building owner could afford to command the services of an expensive jury of technical experts as the Government does in the case of its ships, we

have no doubt the Hoggson idea would prove fairly practical. Lacking the services of such a jury, the building owner will doubtless continue to look to the architect for an intelligent supervision of the structures upon which he is expending his money. If all builders were scrupulously honest and such evils as scamping and "extras" unknown, the plan for reducing the architect to a position of subordination might conceivably work out. But all builders are not honest, as Mr. Hoggson is probably aware, and, if they were honest, could not, in any event qualify as experts upon what is good and bad in design. So that in the final analysis it will be unwise for any prospective owner to attempt just yet to dispense with the services of the man who does the designing and supervising.

Many of the points made in Mr. Hoggson's very readable paper are well taken. He must realize, however, as a practical builder, that it is as unfair to judge all architects by the few and unfit as it would be to judge all builders by the scamp and gamblers in bidding who creep into this calling. Common sense intervenes here, as in the other affairs of life. The owner who, contemplating the erection of a skyscraper, office building, would select for his designer a specialist in country house work could not reasonably expect to secure the best attainable results. The age is one of specializing. And the man who has accumulated sufficient of the world's goods to indulge in the luxury of an office building is as a rule wise enough to be trusted not to go wrong in his selection of the right man to design it.

The designing-construction company may come in time. We venture to doubt that it will ever supplant the architect except in the case of factory or other industrial edifices in which the chief consideration is utilitarian rather than artistic.

The man who does not advertise is like the man who stops his watch to save time.—Exchange.

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



(Continued from page 222.)

New Jersey

Contracts Awarded

Residence, Cape May, N. J. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, George W. Boyd, Broad Street Station, Philadelphia. Frame, 2½ stories, 24x59 feet, shingle roof, electric lighting, canvas roof, metal lath. Contract awarded to Sherman Sharp, Cape May, N. J.

Residence (alt.) and Garage, Cape May, N. J. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, George W. Boyd, Broad Street Station, Philadelphia. Brick and frame, 2 stories, shingle roof, electric lighting; garage, 1 story, plaster, 20x25 feet, shingle roof, gasoline storage. Contract awarded to Sherman Sharp, Cape May, N. J.

Church, Pedricktown, N. J., \$15,000. Architect, Rev. Clarence Larkin, 503 Hoffnagle street, Fox Chase, Philadelphia. Owners, Pedricktown Baptist Church, Pedricktown, N. J. Stone, 1 story, 60x90 feet asbestos shingle roof, electric lighting, steam heating. Contract awarded to Wilbert Beaumont, Stephen Girard Building, Philadelphia.

Convent, Perth Amboy, N. J., \$8,000. Architect, W. P. Endebrock, American Mechanics' Building, Trenton, N. J. Owners, Parish of Hungary, Rev. Father Gross, 687 Courtland street, Perth Amboy, N. J. Brick, 3 stories, 20x60 feet, slag and tin roof, hot water heating, electric lighting, tile work. Contract awarded to J. M. Wester, Perth Amboy, N. J.

Club House (alt. and add.), Camden, N. J. Architect, private plans. Owners, Eleventh Ward Republican Club, 2814 River avenue, Camden, N. J. Frame and cement blocks, 2 stories, 22x50 feet, shingle roof, electric lighting. Contract awarded to Henry W. Brightly, 1216 North Thirty-fourth street, Camden, N. J.

Store and Residence, Camden, N. J. Architect, private plans. Owner, Charles Kaufman, Haddon and Kaighn avenues, Camden, N. J. Brick, 2 stories, 20x62 feet, slag roof, hot air heating, electric lighting. Contract awarded to Emil Schulke, 1183 Jackson street, Camden, N. J.

School, Chestertown, Md., \$15,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Jefferson Smyth, President, Chestertown, Md. Brick, 2 stories, 50x90 feet, slag roof, hot air heating, electric lighting, dampproofing. Owners taking bids, due April 14th. The following are figuring: George E. Lane, Queenstown, Md.; W. S. & A. M. Kulp, Chestertown, Md.; Mercadante & Son, Chester, Pa.; E. S. Coleman, Crompton, Md.; E. L. Jones & Co., Dover, Del.

Residences (13), Brighton and Ellamont streets, Baltimore, Md., \$25,000. Architect, private plans. Owner, Abe Silverstein, Equitable Building, Baltimore. Brick, 2 stories, 14x45 feet each, tin roofs, electric lighting, hot air heating. Owner is sub-letting all contracts.

School, Rock Hall, Md., \$11,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care of J. L. Smith, President, Chestertown, Md. Brick, 2 stories, 46x90 feet, slate roof, hot air heating, electric lighting, slate blackboards. Owners taking bids, due April 21st. The following are figuring: W. S. & A. M. Kulp, Chestertown, Md.; George E. Lane, Queenstown, Md.; J. L. Robinson Construction Co., Knickerbocker Building, Baltimore, Md.; V. Mercadante & Son, Chester, Pa.; E. S. Coleman, Crompton, Md.; E. L. Jones, Dover, Del.

School, Kennedyville, Md., \$5,700. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, School Commissioners of Kent County, Md. Frame, 2 stories, 33x60 feet, slate roof, hot air heating, metal lath. Owners taking bids, due April 21st. The following are figuring: W. S. & A. M. Kulp, Chestertown, Md.; J. L. Robinson Construction Co., Knickerbocker Building, Baltimore, Md.; V. Mercadante & Son, Chester, Pa.; E. S. Coleman, Crompton, Md.; E. L. Jones & Co., Dover, Del.

School, Betterton, Md., \$6,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, School Commissioners of Kent County, Md. Brick and frame, 2 stories, 43x84 feet, slate roof, hot air heating, metal lath. Owners taking bids, due April 21st. The following are figuring: W. S. & A. M. Kulp, Chestertown, Md.; J. L. Robinson Construction Co., Knickerbocker Building, Baltimore, Md.; V. Mercadante & Son, Chester, Pa.; E. S. Coleman, Crompton, Md.; E. L. Jones & Co., Dover, Del.

Residences (6), Light street, near Barney street, Baltimore. Architect, private plans. Owner, T. Milton Jones, Maryland Casualty Building, Baltimore. Brick, 2 stories, tin roof, hot air heating, electric lighting. Owner is sub-letting all contracts.

Swimming Pool, Baltimore, Md., Clifton Park, \$30,000. Architect, private plans. Owners, City of Baltimore, City Hall, Baltimore. Concrete, 315x570 feet. Owners received bids April 7th.

Warehouse, 2107 Madison avenue, Baltimore, \$8,000. Architect, private plans. Owners, Madison Construction Co., 212 Clay st., Baltimore. Brick and concrete, 1 story, 25x87 feet, slag roof, electric lighting, concrete floors. Owners are sub-letting all contracts.

Residences (50), Lauretta street, Baltimore. Architect, private plans. Owners, Piel Construction Co., 2519 Edmondson avenue, Baltimore. Brick, 2 stories, 17x48 feet each, tin roof, electric lighting, steam heating. Owners are sub-letting all contracts.

MARYLAND

Construction News

Residence, Guilford, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Noel H. Matthews, 300 East Twenty-fourth street, Baltimore. Brick, 2½ stories, slate roof, hot water heating, electric lighting, tile work. Plans in progress.

Bank Building, southwest corner Charles and Preston streets, Baltimore. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Seaboard National Bank, W. B. Duke, President. Will remodel present building or erect new building. Plans about to be started.

Apartment House, Thirty-third and Charles street, Baltimore. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, Burford Apartment Co., Baltimore, Md. Brick, 4 stories, tile and slag roof, electric lighting, hot water heating, tile and marble work. Architects taking bids. The following are figuring: John Hiltz & Son, 3 Clay street; Edward Brady & Son, Cathedral and Howard streets; B. F. Bennett Building Co., 123 South Howard street; Morrow Bros., Fidelity Building; C. L. Stockhausen, Gay and Water streets; George Bunnecke & Sons, 305 St. Paul street; Irwin & Leighton, Keyser Building, all of Baltimore.

Residence, Guilford, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Dr. Howard E. Kelsey, Druid Apartments, Baltimore. Brick, 2½ stories, 28x45 feet, slate roof, hot water heating, electric lighting, tile work. Plans in progress.

Store Building (alt. and add.), 223-25 West Baltimore street, Baltimore. Architect, Louis Levi, Munsey Building, Baltimore, and Real Estate Trust Building, Philadelphia. Owners, Blumberg Bros., on premises. Electric lighting, steam heating. Architect taking bids. The following are figuring: John Hiltz & Son, 3 Clay street; Joseph Schamberger, 2117 East Baltimore street; Charles L. Stockhausen, Gay and Water streets; Consolidating Engineering Co., Calvert Building; Singer-Pentz Co., Equitable Building; B. F. Bennett Building Co., 123 South Howard street, all of Baltimore.

Residence, Timonium, Md., \$5,000. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, William P. Rice, Union Trust Building, Baltimore. Frame, 2½ stories, slate roof, steam heating, electric lighting. Ready for bids.

Picture Theatre, Annapolis, Md. Architect, Louis Levi, Munsey Building, Baltimore, and Real Estate Trust Building, Philadelphia. Owner, Philip Miller, Annapolis, Md. Brick, 1 story, 40x120 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence, Forrest Park, Md., \$7,500. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owner's name withheld. Frame, 2½ stories, slate roof, steam heating, electric lighting. Architect taking bids, due April 12th. The following are figuring: C. W. Brown, 15 East Fayette street; C. W. Littleton & Son, Forrest Park, Md.; G. W. Torell, Eutaw and Dolphin streets; E. G. Turner, 15 East Fayette street, Baltimore.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

MARYLAND

Contracts Awarded

Court House, Prince Frederick, Md. Architect, T. Kent Roberts, 924 Seventeenth street, N. W., Washington, D. C. Owners, Court House Commission, J. Briscoe Bunting, Secretary, Prince Frederick, Md. Brick, 2 stories, 70x80 feet, fireproof, tin roof, composition floors, metal lath, dampproofing (heating and electric work reserved). Contract awarded to J. L. Robinson Construction Co., Knickerbocker Building, Baltimore, Md.

Bungalow, near Baltimore, Md., \$15,000. Architect, Howard Sill, 11 East Pleasant street, Baltimore. Owner, Mrs. Louise Page, 956 North Howard street, Baltimore. Brick and stucco, 1½ stories, tile roof, electric lighting, tile work, hardwood floors, hot water heating. Contract awarded to Cowan Building Co., 106 West Madison street, who will take sub-bids.

Factory (repairs), Frederick and Wilkens avenues, Baltimore, Md., \$10,000. Architect, private plans. Owners, Wilkens Hair Factory, on premises. Brick, 2 stories, 27x30 feet. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Warehouse, Seawall, Md. Architect, private plans. Owners, Montgomery Chemical Co., 213 Courtland street, Baltimore. Brick, 2 stories, 40x60 feet, slag roof, electric lighting. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Warehouse (alt. and add.), Bradford and Orleans streets, \$9,000. Architect, private plans. Owner, John Kirschner, on premises.

Brick, 1 story, 34x75 feet and 3 stories, 26x75 feet, slag roof, electric lighting. Contract awarded to J. L. Robinson Construction Co., Knickerbocker Building, Baltimore.

Residence, Poplar Grove and Winchester street, Baltimore, Md. Architect, private plans. Owner, Dr. J. D. Q. Cutty, 1511 Edmondson avenue, Baltimore. Brick, 2 stories, 15x50 feet, tin roof, electric lighting, steam heating, tile work. Contract awarded to Globe Realty Co., Law Building, Baltimore.

Residence, 3408 Duvall avenue, Baltimore, \$5,000. Architect, private plans. Owner, Rosa H. Hodges, 2648 Maryland avenue, Baltimore. Brick and frame, 2½ stories, slate roof, steam heating, electric lighting. Contract awarded to C. W. Littleton & Sons, Forest Park, Baltimore, Md.

Store Building, Fallsview, near Baltimore street, Baltimore. Architect, Louis Levi, Munsey Building, Baltimore, and Real Estate Trust Building, Philadelphia. Owner, Louis Miller, on premises. Brick, 3 stories, 30x75 feet, slag roof, steam heating, electric lighting. Contract awarded to Israel Silverstein, Equitable Building, Baltimore.

Store, Offices and Flats, Cumberland, Md., \$25,000. Architect, J. B. Speicher, Cumberland, Md. Owner, J. N. Frantz, Cumberland, Md. Brick, hollow tile and steel, terra cotta trimmings, 4 stories, 54x86 feet, slag roof, hot water heating, gas and electric lighting, tile work, oak floors. Contract awarded to William J. Morley, Cumberland, Md.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

NOTICE TO BUILDING CONTRACTORS.

Scaled Proposals will be received by the Committee on Grounds and Buildings of the Board of Education of Trenton, N. J., at the office of the Business Manager, Administration Building, No. 9 South Stockton street, at 2 o'clock P. M., Thursday, April 29th, and opened immediately thereafter, for all labor and materials necessary for the erection of a brick and stone school building to be known as Junior High School, No. 1, in accordance with plans and specifications prepared by the Board of Education. Copies of plans are on file and may be obtained at the office of the Business Manager.

Separate bids must be presented for Plumbing, Heating, Ventilation and Electric Wiring. Fifty (\$50.00) dollars must be deposited for each set of plans loaned, which will be forfeited to the Board of Education if plans are not returned in good condition upon the date specified.

Each bid must be submitted upon the form in the back of the specification and must be accompanied by a certified check for ten per cent of the amount of the bid, payable to the contractor's order, properly endorsed, as a guarantee that he will enter into a contract for the work if his proposal is accepted by the Board of Education.

Within ten days after the moneys appropriated by the Board of Commissioners for this purpose becomes available the successful bidder will be required to enter into a contract, for the completion of the entire work on or before August 1st, 1916.

A bond of an approved surety company for the full amount of the contract must be given by the contractor.

Each bidder must give the names of his sub-contractors.

Estimates will also be received on the same date and hour for all furniture required.

The Board reserves the right to reject any or all bids.

WILLIAM A. POLAND,
Business Manager.

Miscellaneous Construction News

College Building, Nashville, Tenn. Architects, Samuel Hannaford & Sons, Cincinnati, Ohio. Owners, Vanderbilt University, Nashville, Tenn. Brick, stone, steel and concrete, 3 stories and basement, 206x233 feet, waterproofing, dampproofing, iron stairs, composition roof, metal lath, electric lighting, steam heating, electric elevators. Architects taking bids, due April 15th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

School, Washington, D. C. Architect, Snowden Ashford, Municipal Building, Washington, D. C. Owners, District of Columbia Commission, Washington, D. C. Brick and stone, 2 stories and basement, 150x195 feet, slate and slag roof (electric lighting and heating reserved), metal lath, dampproofing, glazed brick, safety terraces. Owners taking bids, due April 15th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Residence, Wilmington, Del., \$10,000. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owner, Linda P. Jones, Wilmington, Del. Hollow tile and stucco, 3 stories, 30x60 feet, slate or shingle roof, hot air heating, electric lighting, tile work. Architects taking bids, due April 8th. The following are figuring: W. D. Haddock & Co., John E. Healy & Son, H. P. Carlson, Alfred Downward, Harry Reed, all of Wilmington, Del.

Residences (5), Wilmington, Del., \$15,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Robert M. Burns, 1010 Lombard street, Wilmington, Del. Brick, 2½ stories, 16x55 feet each, slag and tin roof, hot water heating, gas and electric lighting.

Plans about completed. Architect will take bids in a few days.

CONTRACTS AWARDED.

Residence and Garage, Narragansett Pier, R. I. Architects, Savary, Schetz & Savary, Stephen Girard Building, Philadelphia. Owners, Misses Sinnickson, Narragansett Pier, R. I. Stone and frame, 2½ stories, 25x50 feet and 28x30 feet, slate roof (electric lighting, steam heating, plumbing reserved), hardwood floors. Contract awarded to George T. Briggs, Narragansett Pier, R. I.

Residence, Wilmington, Del. (alt and add.). Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, H. Rodney Sharp, Wilmington, Del. Stone, 2½ stories, 22x24 feet, slate roof, electric lighting, vapor vacuum heating, oak floors. Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

School, Willoughby, Ohio, \$65,000. Architect, Franz Warner, Cleveland, Ohio. Owners, Board of Education, Willoughby, Ohio. Brick, fireproof, 2 stories, composition roof (heating reserved), electric lighting. Contract awarded to James H. Wells, Heed Building, Philadelphia.

Roof Garden, Wilmington, Del., \$25,000. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, DuPont Hotel Corporation, Wilmington, Del. New kitchen, dining room and sun parlors, quarry tile floors, electric lighting. Contract awarded to J. A. Badger Co., DuPont Building, Wilmington, Del.

Residences (4), Wilmington, Del., \$7,000.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Louis King (O), 928 Pine street. C. A. Ligates (C), 322 North Gross street. Cost, \$2,500. Dwelling, brick, 3 stories, 14x28 feet, 1126 Pine street.

A. Magione (O), Holmesburg, Pa. Cost, \$3,200. Two dwellings, brick, 16x37 feet, Craig and Arthur streets.

J. L. Wurster (O), 2720 Jefferson street. Cost, \$3,000. Three dwellings, brick, 2 stories, 16x30 feet, 1453 to 57 Marston street.

C. Stochs (O), Wells and Tacony streets. H. A. Lister (C), 1808 Harrison street. Cost, \$2,000. Dwelling, brick, 2 stories, 14x42 feet. Cost, \$7,800. Four dwellings, Wells and Tacony streets.

Board of Education (O), City Hall. Thos. Reilly (C), 1616 Thompson street. Cost, \$35,315. School, brick, 3 stories, 36x62 feet, Seymour and Knox streets.

Hess Bright Manufacturing Co. (O), Front and Erie avenue. Harrison C. Rea Co. (C), 1027 Wood street. Cost, \$15,000. Factory, 1 story, 40x180 feet.

Lotz Bros. (O), 1825 South Front street. F. W. Storch (C), 1712 Wolf street. Cost, \$12,500. Manufactory, brick, 2 stories, 33x105 feet, 1825 South Front street.

W. S. Bauer (O), 642 Lincoln Drive. F. G. Storch, 3519 North Thirteenth street. Cost, \$9,000. Dwelling, stone, 3 stories, 30x38 feet, 432 Upsal street. Cost, \$9,000. Dwelling, stone.

E. S. Buzby (O), 108 West Penn street, Germantown. W. J. Hutchinson (C), 243 West Seymour street. Cost, \$9,800. Seven dwellings, brick, 2 stories, 14x26 feet, Ditman and Haworth streets. Cost, \$1,600. One dwelling.

Jacob M. Peters (O), 116 North Nineteenth

street. S. T. Challender (C), Westmont, N. J. Cost, \$28,000. Twenty dwellings, brick, 2 stories, 15x26 feet, Pratt and Frankford avenue.

Martin Maloney (O), 5900 Spruce street. Cost, \$6,000. Two stores and dwellings, brick, 2 stories, 16x41 feet, Fifty-eighth and Rodman street. Cost, \$68,200. Thirty-one dwellings. Cost, \$38,200. Thirty-one dwellings. Cost, \$6,000. Two stores and dwellings.

Southwark Construction Co. (O), 360 Rittenner street. Cost, \$41,600. Twenty-six dwellings, brick, 2 stories, 14x30 feet, American and Porter streets. Cost, \$4,000. Two dwellings.

W. H. Crossland (O), 5528 North Fifth street. Cost, \$3,600. Two dwellings, brick, 2 stories, 16x36 feet, Oakley and Princeton streets.

Board of Education (O), City Hall. P. J. Hurley (C), 1233 Cherry street. Cost, \$99,000. School, brick, 2 stories, 40x91 feet, Second and Wolf streets.

Fox & Armstrong (O), 1308 South Sixteenth street. Cost, \$12,000. Apartment house, brick, 3 stories, 21x70 feet, Fifty-eighth and Baltimore avenue. Cost, \$16,000. Seven dwellings, brick, 2 stories, 20x51 feet, Fifty-eighth and Baltimore avenue. Cost, \$95,000. Twenty-five dwellings, brick, 2 stories, 20x51 feet, Fifty-eighth and Baltimore avenue. Cost, 9,000. Two dwellings, brick, 2 stories, 20x51 feet, Fifty-eighth and Baltimore avenue. Cost, \$5,800. One dwelling, brick, 2 stories, 20x51 feet, Fifty-eighth and Baltimore avenue. Cost, \$5,800. One dwelling, brick, 2 stories, 20x51 feet, Fifty-eighth and Baltimore avenue.

Alterations and Additions

W. Frany (O), Twenty-first and Winter streets. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$5,500. Saloon and dwelling, Twenty-first and Winter streets.

John Marsden (O), 111 East Mermaid lane. J. E. Walt McGoodwin (C), 204 East Willow Grove avenue. Cost, \$845. Dwelling, brick, 10x27 feet, 1 story, tin roof, electric light.

J. M. Kennedy, Jr. (O), Mutual Life Building. Cost, \$3,000. Mill, 2024 East Willard street.

Barrett Manufacturing Co. (O), Land Title Building. A. L. Carhart (C), Hale Building. Cost, \$2,000. Boiler house, Bermuda and Tucker streets.

R. Mathews (O), Seventeenth and St. Paul streets. H. H. Yerger (C), 4430 North Nineteenth street. Cost, \$700. Dwelling and store, Seventeenth and St. Paul streets.

Farlaint Coal Co. (O), Thirtieth and Walnut streets. A. Ray (C), Twenty-sixth and South streets. Cost, \$2,000. Coal pocket.

T. J. Berry (O), Twentieth and Tasker streets. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$800. Saloon and dwelling.

W. F. Rafferty (O), 1918 East Ontario street. Cost, \$8,000. Five dwellings, brick, 2 stories, 14x29 feet, Hart lane and Jasper street.

D. W. Nice (O), 6212 Bayonton street. M. A. Oberholtzer (C), 5524 Pulaski avenue.

Cost, \$2,200. Garage, 6212 Bayonton street.

West Philadelphia Stock Yard Co. (O), Thirtieth and Race streets. Cost, \$700. Garage, Thirtieth and Race streets.

General Smelting Co. (O), Bullit Building. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$1,500. Foundry, Richmond and Westmoreland street.

W. J. Kerns (O), 2015 East Huntingdon street. Cost, \$1,200. Dwelling, 2218 Frankford avenue.

James McNalley (O), 25 Reed street. D. F. Wholey (C), 1109 Indiana avenue. Cost, \$1,850. Store and dwelling, Second and Reed streets.

J. Kramer (O), 2733 Germantown avenue. Shenkman & Son (C), 5559 Crowson street. Cost, \$1,810. Store and dwelling, 2751 Germantown avenue.

Philadelphia Paper Manufacturing Co. (O), Manayunk, Philadelphia. Cost, \$1,100. Storage, Manayunk.

W. H. Burr (O), 3922 Market street. Graham Campion Co. (C), Heed Building. Cost, \$1,600. Store and dwelling, 3922 Market street.

Trinity Lutheran Church (O), Germantown. Burd P. Evans Co. (C), Thirteenth and Wallace streets. Cost, \$1,700. Church, Penn and Germantown avenue.

J. W. Henlen (O), 4068 Ridge avenue. Joseph Rambow (C), 940 Marshall street. Cost, \$1,800. Store, 4211 Ridge avenue.

Charles J. Friel (O), 3647 Germantown avenue. H. P. Schneider (C), 3713 York road. Cost, \$1,000. Store and dwelling.

Horn & Hardart (O), 1508 Market street. Carter Paving Co. (C), 641 North Eighteenth street. Cost, \$2,500. Restaurant, 1508 Market street.

Robert Wright (O), York and Bouvier street. Cost, \$1,200. Store and dwelling, York and Bouvier street.

BENEFITS OF STATE LICENSE LAW.

At the last convention of the American Institute of Architects an interesting report was read on "Registration and Licensing of Architects," showing that the various States are fast providing laws for the licensing of architects. The laws in New Jersey, Louisiana, California and the proposed law in Missouri are all operated along similar lines. Referring to the benefits attained from the California Act, Secretary Sylvain Schnnaitacher, of the Northern California District, writes as follows:

"The great benefit of the act is in establishing the professional status of the architect who is licensed, as against the unlicensed practitioner, who is barred from competing for public work and also is in the position that if he sues to recover from a client for service, the fact that he is unlicensed is accepted as an admission of incompetence to perform the services for which he seeks to recover."

EFFECT OF VENTILATING SYSTEM ON ROOM ACOUSTICS.

In a report on the acoustics of auditoriums, based on an investigation of the acoustical properties of the auditorium at the University of Illinois, and published under the authorship of F. R. Watson as Bulletin No. 73 of the Engineering Experiment Station of the University of Illinois, the writer has the following to say on the effect of the ventilating system on the acoustics:

"It is found that the effect of the usual ventilating currents on the acoustics in an auditorium is small. The temperature difference between the heated current and the air in the room is not great enough to affect the sound appreciably, and the motion of the current is too slow and over too short a distance to change the action of the sound to any marked extent.

"Under special circumstances, the heating and ventilating systems may prove disadvantageous. A hot stove or a current of hot air in the center of the room will seriously disturb the action of sound. Any irregularity in the air current so that sheets of cold and heated air fluctuate about the room will also modify the regular action of the sound and produce confusion. The object to be striven for is to keep the air in the room as homogeneous and steady as possible. Hot stoves, radiators, and currents of heated air should be kept near the walls and out of the center of the room. It is of some small advantage to have the ventilation current go in the same direction that the sound is to go, since a wind, as we all know, tends to carry the sound with it."—"Heating and Ventilating Magazine."

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Gas Grates.

J. B. Spruance, 9 S. 18th st., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Wall Safes.

J. B. Spruance, 9 S. 18th st., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

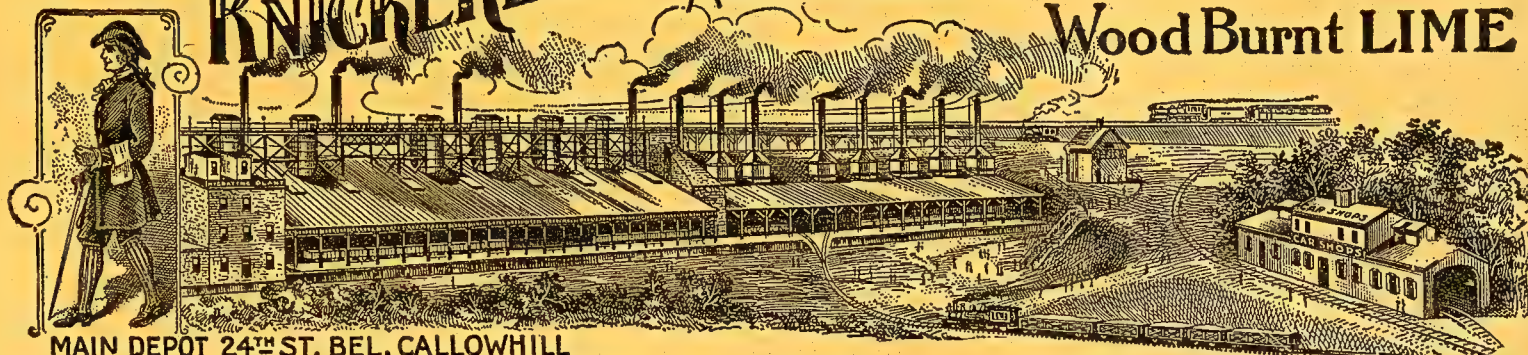
Bell
Locust 200
and 201

Keystone
Race 998

KNICKERBOCKER LIME COMPANY

MANUFACTURERS OF

Wood Burnt LIME



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF

Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.

SPECIAL OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.



We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 15.

PHILADELPHIA, WEDNESDAY, APRIL 14, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

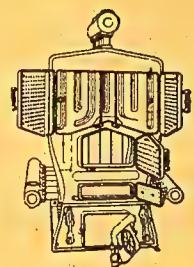
SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MILLS



"Satisfaction"

When a type of boiler is made
for 40 years, and each year's
sales increase over previous ones
there is but one conclusion—
They must give satisfaction.

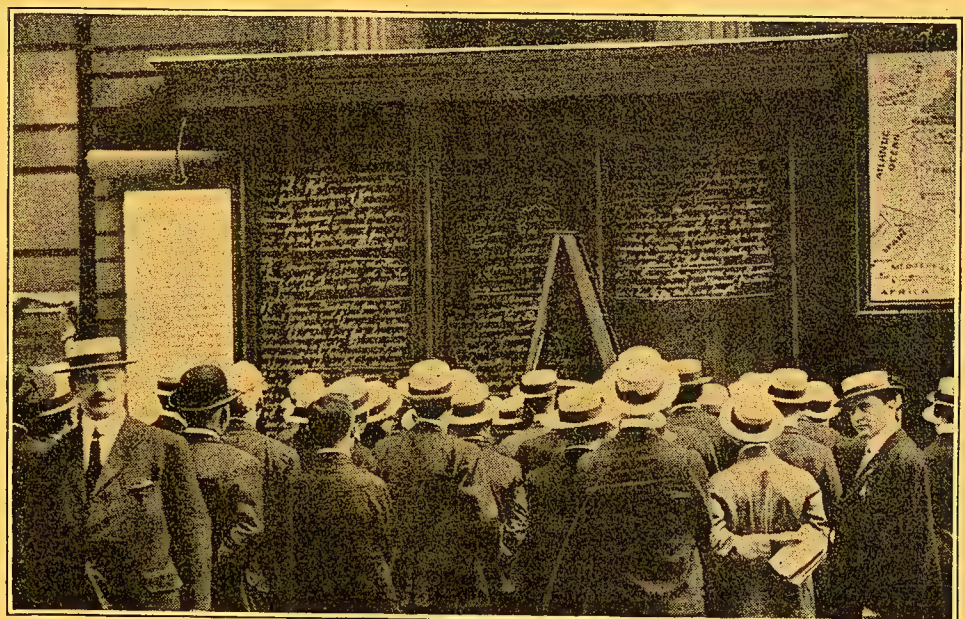
THE H. B. SMITH CO.

1225 Arch Street
PHILADELPHIA, PA.

THE NATIONAL CEMENT



Philadelphia Headquarters,
Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

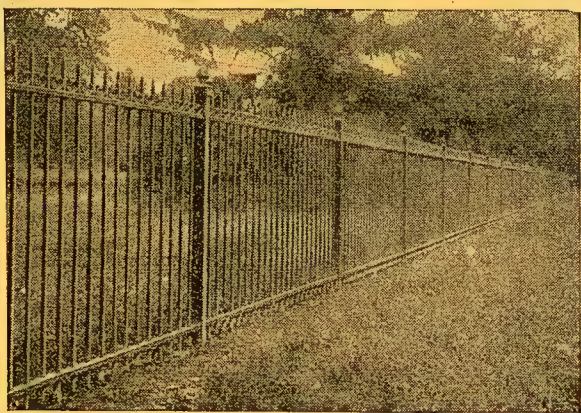
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Court, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

CHAS. H. KOHN & CO.

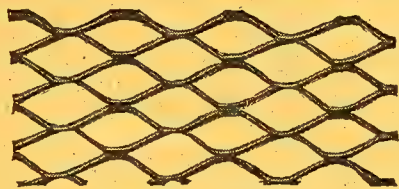
Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO"

Expanded Metal Lath



"Bilco" Diamond Mesh

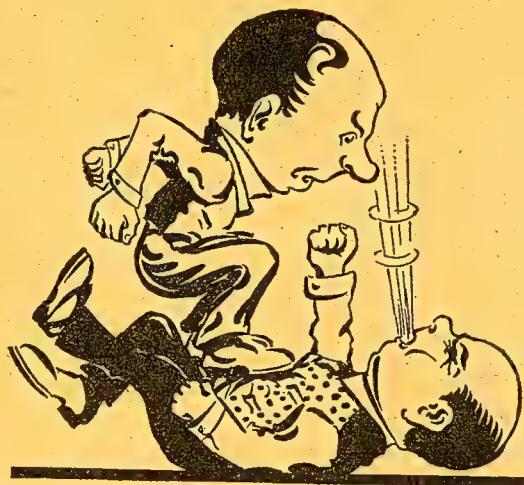
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
131-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta

Face Brick

Hollow Tile

Paving Brick

Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges

Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.

General Offices and Factory, AUDUBON, N. J.



"F-S" Products are leaders
everywhere.

"F-S" Mission Finishes rank high because they are easily applied without danger of setting or lapping while brushing out. They come in permanent colors of a wide variety of shades, and have no unpleasant odor. Chances for general satisfaction are always great when you specify a material of established repute.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(112)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

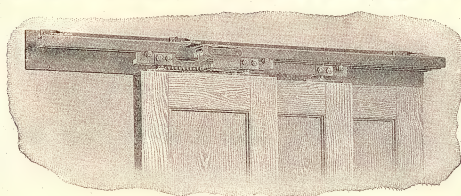
Leatherfloor is the Best
Our Motto, "None Better"

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

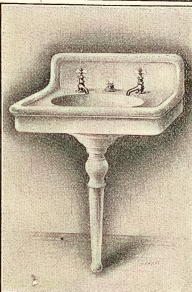


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Catalogue D*.

Specify "CAPOCO" Ware for your
Bath Rooms on particular work

CAMDEN POTTERY CO.
Camden, N.J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



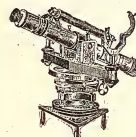
The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing at
Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transits from \$15
to \$115.
serviceable.

Durable. Will hold adjustments

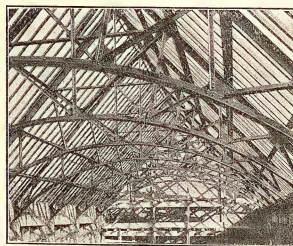


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

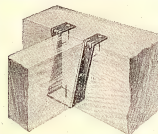
1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

STEEL JOIST HANGERS

The cheapest method for all framing of joist in
Apartment Houses, Residences, Store Buildings, etc.



SPECIAL NET PRICES:

2 x 8 in. joist, 9c. 3 x 8 in. joist, 11c.
2 x 10 in. joist, 11c. 3 x 10 in. joist, 14c.
2 x 12 in. joist, 12c. 3 x 12 in. joist, 18c.
4 x 10 in. joist, 17c. 6 x 10 in. joist, 30c.
4 x 12 in. joist, 19c. 6 x 12 in. joist, 35c.

Cleanout Doors
Anchors

Ash Drops
Wall Ties

Dampers
Cellar Doors

Carried in Stock

Bell Phone:
Spruce, 24-43

BUILDERS IRON WORK CO.
217 N. 15th Street, Philadelphia, Pa.

Key. Phone:
Race, 26-32

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 15.

PHILADELPHIA, WEDNESDAY, APRIL 14, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Bank, Passyunk avenue and Bainbridge street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Penna. State Bank of Phila., care of Herman Loeb, City Hall, Philadelphia. Brick and stone, 1 story, 40x57 feet, slag roof (heating and lighting reserved), safety treads, iron stairs, composition floors, metal lath, waterproofing. Architects have received bids.

Building, 504 North Fourth street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Hebrew Day Nursery, on premises. Brick and stone, 1-story and basement, 30x64 feet, slag roof, electric lighting (heating reserved). Architects taking bids, due April 14th. The following are figuring: A. Whitehead, Inc., 1624 Latimer street; Smith-Hardican Co., 1606 Cherry street; Lam Building Co., 1001 Wood street; Stacy Reeves & Sons, 2011 Market street, all of Philadelphia.

Store and Dwelling (alt. and add.), 923 North Broad street, Philadelphia. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owner, Murray White, Morris Building, Philadelphia. Brick, 3 stories, consists of new front and interior alteration and oak floors, electric lighting. Owner has received bids.

Factory, 109-111 North Orianna street, Philadelphia. Architect, Arthur C. Forster, Roxborough, Pa. Owners, F. Brechts' Sons, on premises. Brick and concrete, 2 stories and basement, 45x53 feet, slag roof, metal lath, metal frames and sash, waterproofing (heating and lighting reserved). Owners taking bids, due April 15th. The following are figuring: R. C. Ballinger & Co., 218 N. Thirteenth street; Stacy Reeves & Sons, 2011 Market street; J. Morris Daniels, 251 South Juniper street; F. E. Wallace, 1210 Sansom street; H. E. Baton, Twelfth and Sansom streets; Joseph F. Myers & Sons, 1237 Ridge avenue, and Monaghan & Losse, 214 South Twelfth street, all of Philadelphia.

Residence, 6371 Drexel road, Overbrook, Philadelphia. Architect, A. J. Rust, 1952 East Allegheny avenue, Philadelphia. Owner, J. H. Irvin, Philadelphia Bank Building,

Philadelphia. Stone, 2½ stories. Plans in progress. Bids in about 10 days.

Residence (alts.), Sixty-fourth and Drexel road, Philadelphia. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, C. H. Geist, Land Title Building, Philadelphia. Consists of remodeling of interior of second floor. Plans in progress.

Residence, Sherwood road and Lancaster avenue, Philadelphia. Architect, private plans. Owner, John Z. Turner, 6412 Sherwood road, Philadelphia. Stone or brick, 2½ stories, 49x55 feet, slate and tile roof, electric lighting, hot water heating, oak floors. Plans in progress.

Residence, Germantown, Philadelphia. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Dr. Joseph Head, 1500 Locust street, Philadelphia. Stone, 2½ stories, 27x70 feet, shingle roof, vapor vacuum heating, electric lighting, oak floors. Plans in progress.

Tenant House, Queen lane, Germantown. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner's name withheld. Stone, 2 stories, 25x26 feet, slate roof, electric lighting. Architect taking bids, due April 14th. The following are figuring: H. E. Grau Co., 1709 Sansom street; H. H. Burrell, 206 South Quince street, Philadelphia.

Church, Fifty-fourth and Walton avenue, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Wharton Street Methodist Episcopal Church, care of Rev. E. W. Stillman, 5335 Catherine street, Philadelphia. Stone, 2 stories, 80x150 feet, slate roof, electric lighting, steam heating. Plans in progress.

New Porch, 4433 Spruce street, Philadelphia. Architect, Stanley Yocum, 5517 Morris street, Germantown. Owner, William Rump, on premises. Stone and wood, tile floors. Architect taking bids, due April 14th. William R. Dougherty, 1610 Sansom street; F. E. Wallace, 1210 Sansom street; T. C. Trafford, 1613 Sansom street; F. Roe Searing, Perry Building; Smith-Hardican Co., 1606 Cherry street, Philadelphia, are figuring.

Factory (add.), 417 North Third street,

Philadelphia. Architects and engineers, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Oehrle Bros., 423 North Third street, Philadelphia. Brick and concrete, 4 stories, 40x75 feet, slag roof, electric lighting, steam heating. Plans in progress. Builders, Wm. Steele & Sons Co., 1600 Arch street, will take sub-bids.

Residence (alt. and add) and Garage, Chestnut Hill, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George K. Johnson, President Penn Mutual Life Insurance Co., 927 Chestnut street, Philadelphia. Stone and frame, 2½ stories, slate roof, electric lighting, hot water heating. Architect taking bids, due April 15th. The following are figuring: J. Sims Wilson, 1125 Brown street; F. L. Hoover & Sons, 1023 Cherry street; Eugene Tourison, 1001 Chestnut street; I. A. Dunkelberger, 71 East Herman street, Germantown.

Hospital (alts.), Fifteenth street, above Race street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, Hahnemann Hospital, on premises. Consists of new fire tower and sun parlors. Architect has received revised bids.

Rectory (alt. and add.), Sixty-third and Callowhill streets, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, Our Lady of the Rosary R. C. Church, care of Rev. P. J. Daly, Sixty-third and Callowhill streets, Philadelphia. Stone, 2½ stories; slate roof, electric lighting, steam heating, oak floors. Architect taking bids, due April 17th. The following are figuring: Melody & Keating, Bailey Building; William R. Dougherty, 1610 Sansom street; Edw. Fay & Sons, 2 South Mole street; William J. McShane, 417 South Thirteenth street, all of Philadelphia.

Building (alt. and add.), Eleventh and Wood streets, Philadelphia. Engineers, Franklin & Co., Crozer Building, Philadelphia. Owners, Jarden & Co., on premises. Brick, 4 stories, slag roof, electric lighting. Plans in progress.

Club House (alt. and add.), 1510 Walnut street, Philadelphia. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia.

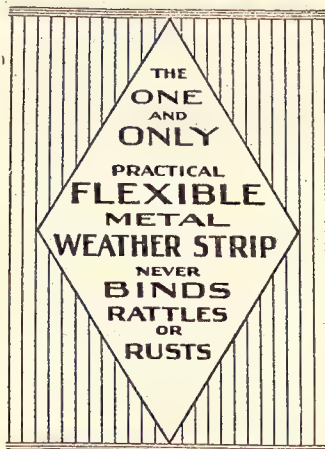
**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



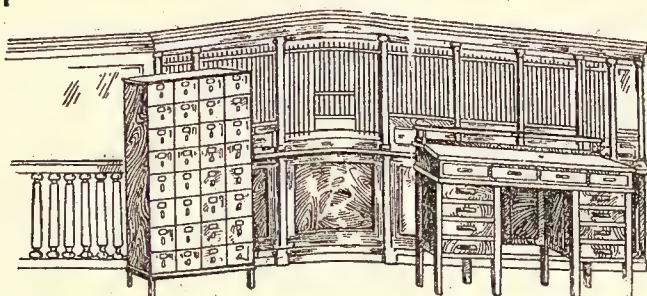
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

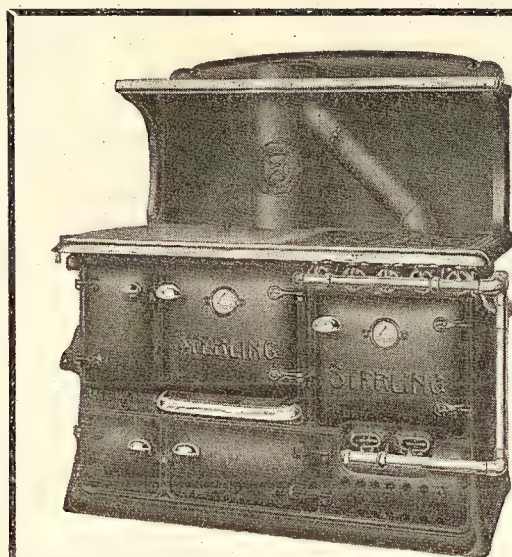
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.
118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Owners, Univeristy Club, on premises. New front and interior alterations. Architect taking bids, due April 13th. H. H. Burrell, 206 South Quince street, Philadelphia, figuring.

Office Fixtures, Drexel Building, Philadelphia. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owners, Thos. A. Biddle & Co., 326 Walnut street, Philadelphia. Consists of fixtures and interior furnishings (heating and lighting and tile work reserved). Architect taking bids, due April 14th. The following are figuring: H. H. Burrell, 206 South Quince street; J. Myers & Sons, Witherspoon Building; William R. Dougherty, 1610 Sansom street; F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

College Building, Broad and Berks streets, Philadelphia. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owners, Temple College, Broad and Berks street, Philadelphia. Brick, 3 stories and basement, 40x60 feet, slag roof, metal lath, safety treads, maple and asphalt floors (heating and lighting reserved). Architect taking bids, due April 15th. H. H. Burrell, 206 South Quince street; P. J. Hurley, 1233 Cherry street; J. Myers & Sons Co., Witherspoon Building; H. C. Rea Co., 1027 Wood street; George F. Payne Co., 401 South Juniper street, all of Philadelphia, are figuring.

New Porch, Broad and Wolf streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners,

Methodist Episcopal Hospital, on premises. Stone and frame, 1 story, canvas roof, electric lighting, steam heating. Architects have received bids.

Warehouse (add.), Fifteenth and Carpenter streets, Philadelphia. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Brick, 2 stories, 400x50 feet, slag roof, electric lighting, steam heating. Owners taking bids, due April 14th. Irwin & Leighton, 126 North Twelfth street, and Armstrong & Latta, Land Title Building, Philadelphia, are figuring.

Residence (alts.), Queen Lane, Philadelphia. Architect, S. D. Hawley, 2nd, 3122 West street, Philadelphia. Owners, School Lane Land Co., Warden estate, Witherspoon Building, Philadelphia. Consists of interior alterations, electric lighting. Architect taking bids, due April 14th. The following are figuring: Pringle Borthwick, 8018 Germantown avenue; John E. Walt, 204 East Willow Grove avenue; Fred Elvidge & Son, 5522 Germantown avenue, Philadelphia.

Buildings (2), Frankford, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Col. George Montgomery, Frankford, Philadelphia. Brick, steel and concrete, 1 story, 51x110 feet, 42x48 feet, slate roof (heating and lighting reserved), maple floors. Lowest bid submitted by Charles D. Burns, Bridgeport, Pa., \$17,352.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Church (add.), Broad and Duncannon sts., Philadelphia. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, Holy Child R. C. Church, care of Rev. William J. McCaffrey, 5220 North Broad street, Philadelphia. Granite, 2 stories, 65x145 feet, slate roof, steam heating, electric lighting, marble work. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

Rectory, Cheltenham avenue, Germantown, Philadelphia. Architects, Baldwin & Pennington, Professional Building, Baltimore,

Md. Owners, Immaculate Conception R. C. Church, care of Rev. M. J. Higgins, 1045 East Cheltenham avenue, Germantown. Stone, 2½ stories, 47x70 feet, wing 15x26 feet, slate and slag roof, metal lath, yellow pine floors. Contract awarded to Joseph Bird Co., 213 North Eleventh street, Philadelphia.

Residences (2), Oak Lane, Philadelphia, \$12,000. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, J. Harris Tyre, 6716 North Eighth street, Philadelphia. Stone and frame, 2½ stories, 24x34 feet, shingle roof, vapor vacuum heating, electric lighting,

UNITAS TILING

A non metallic substitute for tile and wood

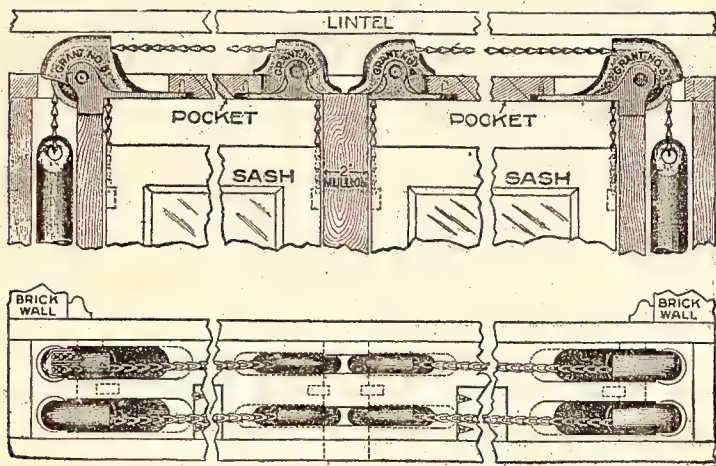
Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

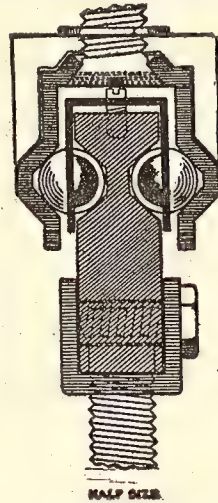
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

hardwood floors. Contract awarded to Joseph Bird Co., 213 North Eleventh street, Philadelphia.

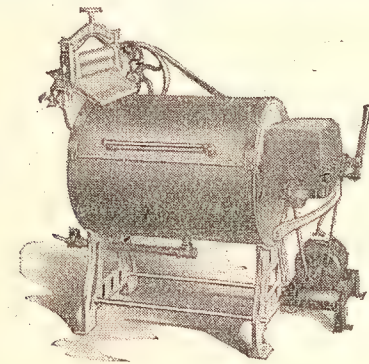
Club House, Overington and Griscom sts., Philadelphia. Architect, private plans. Owners, Frankford Checker Club, care of C. E. Outterson, 4509 Frankford avenue, Philadelphia. Brick, 2 stories and basement, slag roof, steam heating, electric lighting, 38x75 feet. Contract awarded to John F. Davies, Heed Building, Philadelphia.

Garage, Fern Rock, Philadelphia, \$1,500. Architect, Wesley L. Blithe, 618 Chestnut st., Philadelphia. Owner, J. B. Miller, Fern Rock, Philadelphia. Stone, 2 stories, 25x34 feet, slag roof, electric lighting, hot water heating. Contract awarded to C. E. Lloyd, Oak Lane, Philadelphia.

Factory, Columbia avenue and Hancock street, Philadelphia, \$14,000. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, D. L. & H. W. Short & O. W. Brenizer, 45 South Front street, Philadelphia. Brick, 2 stories, 60x128 feet, slag roof, composition floors (heating and lighting reserved). Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia. Note change.

Factory, Twenty-second and Sedgley avenue, Philadelphia. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owners, Fretz Gross Co., Twenty-second and Sedgley avenue, Philadelphia. Brick, 2 stories, 75x125 feet, slag roof, iron stairs. Contract awarded to F. K. Stahl, 226 East Sydney street, Chestnut Hill, Philadelphia.

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

PENNSYLVANIA Construction News

Residence (alt. and add.), Wyncote, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, John Gribbel, 1513 Race street, Philadelphia. Stone, 2½ stories, 17x51 feet, tile roof, electric lighting, steam heating, asphalt floors, waterproofing. Architect has received bids.

Residence, Bryn Athyn, Pa. Architect, John A. Walker, Bryn Athyn, Pa. Owners, the Academy of the New Church, Bryn Athyn, Pa. Hollow tile and plaster, 2½ stories, 33x24 feet, shingle roof, tile work (heating, plumbing and electric work reserved). Architect has received bids.

Residence (alt. and add.), Merion, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Herbert G. Stockwell, Land Title Building, Philadelphia. Consists of new porches and interior alterations, slate roof, metal lath. Architect taking bids, due April 14th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; Geo. Kessler Cont. Co., Drexel Building; Pomeroy Const. Co., 1609 Ranstead street, Philadelphia, and Gray Bros., Rosemont, Pa.; Frank Mahan,

Ardmore, Pa.; M. W. Young, Overbrook, Philadelphia.

Stock Pens, Herrs Island, Pittsburgh, Pa. Architect, private plans. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, steel and concrete, 1 and 2 stories, 190x512 feet, asbestos roof, metal frames and sash (lighting reserved). Owners taking revised bids, due April 26th. Roydhouse-Arey Co., Fidelity Building; Chas. Gilpin, Harrison Building; Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Hospital (add.), Lebanon, Pa. Architects, Bissell, Sinkler & Tilden, Bailey Building, Philadelphia. Owners, Good Samaritan Hospital, Lebanon, Pa. Brick, 2 stories, 56x142 feet, slag roof, steam heating, electric lighting, fireproof. Architects have received bids.

Passenger Station and Freight House, Somerset, Pa. Architect and engineer, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore, Md. Passenger station, brick, 1 story, 30x76 feet, tile roof, electric lighting, steam heating, safety

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

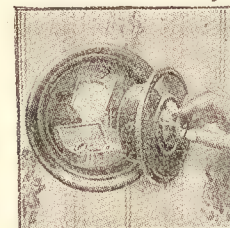
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



MEILINK WALL SAFES

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.



R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

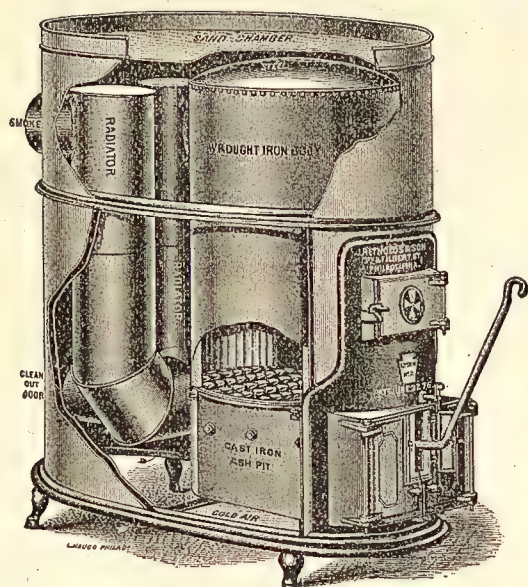
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

A Gas Circulating Water Heater

delivered and installed on the first floor or basement of your home for a first payment of

Only \$1.25

The balance payable \$1.25 a month. \$13.50 without flue connection. \$15 with flue connection. This is an exceptional opportunity to secure a convenient, economical and dependable hot-water service.

Send for a Representative.

The United Gas Improvement Company

R. J. CARRICK,

Contracting
Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

treads, metal lath, dampproofing. Freight station, 1 story, 25x154 feet, composition roof, electric lighting, steam heating. Owners taking bids, due April 20th. Roydhouse-Arey Co., Fidelity Building, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Church, Lansdowne, Pa. Architects, Druckemiller & Williams, Land Title Building, Philadelphia. Owners, First Presbyterian Church, care of Rev. William Boyd, Lansdowne, Pa. Stone, 1 story, 36x110 feet, two wings, 36x18 feet each, slate roof, electric lighting, steam or vapor vacuum heating. Plans in progress. Architect will take bids in about ten days.

Residence, Haverford, Pa. Architect, private plans. Owner, B. Brannan Reath, 2nd, Haverford, Pa. Frame, 2½ stories, 30x35 feet, shingle roof, electric lighting, hot water heating. Builders, Elfreth & Wood, 1708 Sansom street, Philadelphia, taking sub-bids.

Bungalow, Glenside, Pa. Architects, Frank Seeburger & Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, William Nixon, care of architects. Frame, 1½ stories, 26x50 feet, shingle roof, hot water heating electric lighting. Plans in progress.

Theatre Building, Pottsville, Pa. Architects, Hoffman Co., Juniper and Market sts., Philadelphia. Owner, Philip Brenneman, Pottsville, Pa. Brick and stone, 3 stories, 50x250 feet, slag roof, electric lighting, steam heating, fireproofing. Plans in progress. Bids in about ten days.

Administration Building, Newtown Square, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Garrett Williamson Lodge, North American Building, Philadelphia. Stone, 2½ stories, 55x165 feet, slate roof (heating and lighting reserved), metal lath, maple floors. Architect taking bids, due April 17th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; Jacob Myers & Sons Co., Witherspoon Building; Irwin & Leighton, 126 North Twelfth street; Roydhouse-Arey Co., Fidelity Building; F. L. Hoover & Sons, 1023 Cherry street, all of Philadelphia.

Store, Swarthmore, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, C. W. Jones, Swarthmore, Pa. Brick, 1 story, 20x45 feet, asbestos shingle roof, electric lighting (heating reserved). Architect has received bids.

Church, Mt. Joy, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, United Brethren in Christ Church, Rev. D. E. Long, Mt. Joy, Pa. Brick and stone trimmings, 1 story, 50x128 feet,

slate roof, vapor heating, electric lighting, metal lath, waterproofing and dampproofing. Plans in progress.

School (add.), Mt. Penn, Pa., \$12,000. Architect, H. J. Maurer, 33 North Sixth street, Reading, Pa. Owner, Mt. Penn School District, C. H. Wieand, President, 612 Court street, Reading, Pa. Brick, 2½ stories, 68x45 feet, slate roof, metal lath, dampproofing, slate blackboards (heating and electric work separate bids). Owners taking bids, due April 14th. The following are figuring: David B. Warner, Reading, Pa.; Adam Spatz, Wernersville, Pa.; Charles H. Schlegel, Mt. Penn, Pa.

Store and Apartments, Reading, Pa., \$5,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owners, Schlappig & Endy, Reading, Pa. Brick, 3 stories, 20x82 feet, tin roof, hot water heating, electric lighting. Plans in progress.

Bungalow, Stony Creek, Pa., \$3,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, R. E. Crouse, Reading, Pa. Frame and stucco, 1 story, 26x34 feet, shingle roof, hot air heating, electric lighting, tile work, metal lath. Plans in progress.

Convention Hall and Lodge Building, Hazleton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, John H. Goesser Co., Hazleton, Pa. Brick, 6 stories, 60x150 feet, canvas and composition roof, steam heating, electric lighting, composition floors, metal lath, waterproofing and dampproofing, elevator. Plans in progress.

Residence, Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, Harlan E. Woehrle, Easton, Pa. Stone and shingle, 2½ stories, 38x33 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect has received revised bids.

Store Building (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton. Owner, T. T. Miller Hardware Co., Easton, Pa. Brick, 2 stories, 17x50 feet, slag roof, steam heating, electric lighting. Plans in progress.

Apartment House, Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, P. O. S. of A., Washington Camp, No. 542, Easton, Pa. Brick, 4 stories, 37x48 feet, composition roof, steam heating, electric lighting, composition floors. Plans in progress.

Residence, Highland Park, Pa. Architect, Wesley Blithe, 618 Chestnut street, Philadelphia. Owner, Joseph Horton, Lansdowne, Pa. Stone and frame, 2½ stories, 30x40 feet, shingle roof, electric lighting, hot air heating,

LIGHTING FIXTURES

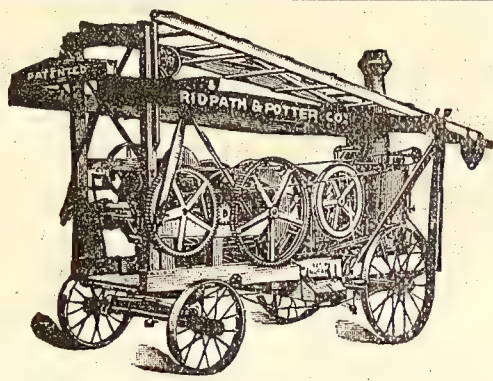
In our show rooms you will find a complete line of LIGHTING FIXTURES

FRANKLIN FIXTURE COMPANY

Manufacturers of "LIGHTING FIXTURES OF QUALITY"

Factory and Show Rooms

242 PENN STREET, - READING, PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

oak floors, canvas roof. Architect taking bids, due April 21st. G. B. Turner, Highlands Park, Pa.; O. Lobb and E. Board, Llanerch, Pa.; James Johnston, 1721 Ludlow street; Charles C. Pace, Merion, Pa.; E. J. Hedden, Penn Square Building, Philadelphia.

Sunday School, Mt. Carmel, Pa. Architect, G. C. Baum, 1422 Arch street, Philadelphia. Owners, Grace Lutheran Church, Mt. Carmel, Pa. Brick and stone, 1 story, 60x80 feet, slate roof, electric lighting, steam heating. Plans completed. Owners will take bids.

Stores and Apartments (6), Norwood, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, J. J. Dougherty, Norwood, Pa. Brick, frame and plaster, 2 stories, 20x60 feet, shingle and slag roof, electric lighting, steam heating. Plans in progress.

Residence, Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, J. Morgan Harding, Bourse Building, Philadelphia. Frame and plaster, 2½ stories, 25x47 feet, shingle roof, hot water heating or hot air heating, electric lighting, tile work, oak floors. Architects taking bids, due April 15th. The following are figuring: Graham-Campion Co., Heed Building, Philadelphia; Gray Bros., Rosemont, Pa., and Wolf & Dilworth, Bryn Mawr, Pa.

Bungalow, Willow Grove, Pa., \$5,000. Architect, A. J. Stewart, Jr., 3016 Stillman street, Philadelphia. Owner's name withheld. Stone, 1½ stories, asbestos shingle roof, hot water heating, electric lighting, high pressure water system, artesian well. Builder, Stewart Bros., 2526 North Orkney street, Philadelphia, taking sub-bids.

Cottage, No. 1, Laurelton, Pa., \$25,000. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, Pennsylvania Village for Feeble Minded Women. Stone, fireproof, 2½ stories, 53x68 feet, slate and slag roof, composition floors, metal lath, safety treads (heating and lighting and plumbing separate bids). Lowest bid submitted by Edw. Fay & Son, 2 South Mole street, Philadelphia, \$19,214.

Administration Building, Newtown Square, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Garrett Williamson Lodge, North American Building, Philadelphia. Stone, 2½ stories, 55x165 feet, slate roof (heating and lighting reserved), metal lath, maple floors. Architect taking bids, due April 17th. In addition to those previously reported, Specht & Sperry, Heed

Building; J. B. Flounders, 1329 Arch street; Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Passenger Station, Tunnels and Platforms, Wilkinsburg, Pa., \$125,000. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Brick and stone, 2 stories, 60x125 feet, slate roof, steam heating, electric lighting. Plans completed. Architect ready for bids.

Stock Pens, Herrs Island, Pittsburgh, Pa. Architect, private plans. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Brick, steel and concrete, 1 story, 2 stories, 190x512 feet, asbestos roof, metal frames and sash (lighting reserved). Owners taking revised bids, due April 26th. In addition to those previously reported, Brann & Stuart, Commercial Trust Building; William Steele & Sons Co., 1600 Arch street; Armstrong & Latta, Land Title Building; Bailey-Lush Co., 201 North Broad street, Philadelphia; Titzel Const. Co., Lancaster, Pa., are figuring.

Twin Residence, Cynwyd, Pa. Architect, R. Werner, 38 South Ruby street, Philadelphia. Owners, Frank & Howard Kromer, Cynwyd, Pa. Stone and frame, 2½ stories, 20x36 feet, shingle roof, electric lighting, hot water heating. Architect taking bids, due April 14th. Charles C. Pace, Merion, Pa.; Alfred James, Bala, Pa., and Mowrer Bros., Merion, Pa., are figuring.

Residence and Garage, Haverford, Pa. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Casper Wistar Morris, Land Title Building, Philadelphia. Hollow tile and stucco, 2½ stories, 71x90 feet, wing 22x25 feet, shingle roof, vapor vacuum heating, electric lighting, oak floors. Revised plans about completed. Architects will take bids in one week.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



Does Your Roof Leak?

Tin and Slag
Roofing

HEATERS,
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

"Windustite" Metal Weather Strips

Save Fuel. Keep out Dust.
Afford Protection against Drafts.
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue Philadelphia, Pa.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-18.
Keystone, Race 60-17A



Wells - Soundings Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Supplied
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

PENNSYLVANIA Contracts Awarded

Store Building (add.), Easton, Pa., \$25,000. Architect, F. H. Wenzelberger, Easton, Pa. Owners, William Laubach & Son, Easton, Pa. Brick and steel, 7 stories, 30x71 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing. Contract awarded to Stewart Contracting Co., Easton, Pa.

Picture Theatre, Allentown, Pa., \$8,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown. Owner, H. M. Meninweker, Allentown, Pa. Hollow tile and concrete, 1 story, 40x120 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to Butz & Clader, Allentown, Pa.

Apartment House, Easton, Pa., \$15,000. Architect, F. H. Wenzelberger, Easton, Pa. Owner, S. Novick, Easton, Pa. Brick, 4 stories, 28x50 feet, slag roof, vapor heating, electric lighting, metal lath. Contract awarded to George Lutz, Easton, Pa.

Residence (alt. and add.), Laverock, Pa. Architects, Furness, Evans & Co., & Joseph T. Sims, Provident Building. Owner, Charles Platt, 3rd, East Gravers lane, Chestnut Hill, Pa. Stone, 2½ stories, 20x45 feet, shingle roof (plumbing, heating and electric work separate bids). Contract awarded to George S. Roth & Sons, 230 East Gravers lane, Germantown.

Residence and Garage, Merion, Pa., \$30,000. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, William S. Baker, Merion, Pa. Brick and stucco, 2½ stories, 100x30 feet, garage, 40x30 feet, tile roof, electric lighting (vapor heating, oak floors and interior finish reserved). Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

Store and Hall Building, Shenandoah, Pa. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner, J. A. Mandour, Shenandoah, Pa. Brick, 3 stories, 57x70 feet, slag roof, central plant heating, electric lighting. Contract awarded to Gordon Nagle, Pottsville, Pa.

Infirmary, Shillington, Pa., \$9,000. Architect, H. J. Maurer, 33 North Sixth street, Reading, Pa. Owners, Berks County Com-

missioners, Court House, Reading, Pa. Brick, 2 stories, 24x40 feet, slate roof, steam heating, electric lighting, cement floors, metal lath. Contract awarded to Charles H. Schlegel, Mt. Penn, Pa.

Memorial Entrance, Haverford, Pa. Architects, Savery, Schetz & Savery, Stephen Girard Building, Philadelphia. Owners, Haverford College, Haverford, Pa. Granite steps and brick work. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Residence, Merion, Pa. Architects (associated), Frank Seeburger & Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, J. Wallace Hollowell, Jr., 113 South Broad street, Philadelphia. Stone, 2½ stories, 28x70 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

Twin Residence, Glenside, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, H. F. Glazier, care of Philadelphia and Reading R. R. Co., Philadelphia. Brick, 2½ stories, 32x50 feet, shingle roof, electric lighting, hot water heating. Contract awarded to M. E. Hauser, Glenside, Pa.

Residence and Garage (alt. and add.), Newtown Square, Pa., \$7,200. Architects, Dahring, Okie & Zeigler, Bailey Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 60x80 feet, shingle roof, hot water heating, electric lighting, oak floors. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

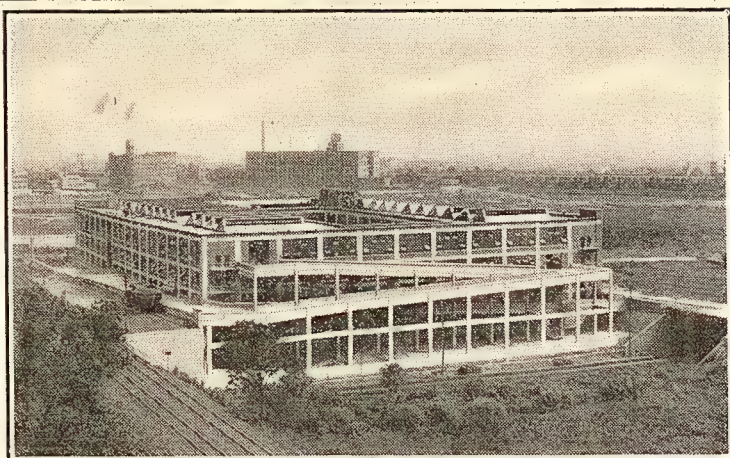
Bungalow, Melrose, Pa. Architects, Neff & Thames, Hed Building, Philadelphia. Owner, T. H. Brown, Second and Westmoreland streets, Philadelphia. Hollow tile and plaster, 1½ stories, slate roof, oak floors, tile work, electric lighting (vapor heating reserved). Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

The man who does not advertise is like the man who stops his watch to save time.—Exchange.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

NEW JERSEY Construction News

Factory and Power House, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owners, Eureka Flint and Spar Co., Trenton, N. J. Brick, 1 story, 36x85 feet, asbestos roof, electric lighting, cement floors. Owners taking sub-bids.

Store and Residence, Trenton, N. J., \$6,000. Architect, John Phelps Pette, 131 Jackson street, Trenton, N. J. Owner's name withheld. Brick, 2 stories, 27x60 feet, tin roof, electric lighting, tile work, metal lath (heating reserved). Architect taking bids. The following are figuring: Edward LaRue, Thomas Donigan, Charles Randell, Charles Smith, Charles Y. Barlow, Joseph Hopewell, all of Trenton, N. J.

Residence, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics' Building, Philadelphia. Owner, Howard Tenecus, Trenton, N. J. Brick, 2½ stories, 17x47 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Bakery (alt. and add.), Phillipsburg, N. J. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, W. H. Kramer, Phillipsburg, N. J. Brick, 2 stories, 20x30 feet, slag roof, steam heating, electric lighting. Plans in progress.

Twin Residence, Phillipsburg, N. J. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, Person & Burkholder, Phillipsburg, N. J. Brick, 2½ stories, 44x40 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Residence, Atlantic City, N. J. Architect, P. J. Kluges, 1012 Walnut street, Philadelphia. Owner, George A. Kluges, Atlantic City, N. J. Frame, 2½ stories, 26x33 feet, steam heating, electric lighting, slate roof, bond. Architect has received bids.

Factory, Camden, N. J. Architect and engineers, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Keystone Lather Co., Sixteenth and Mickle streets, Camden, N. J. Brick, steel and concrete, 4 stories, 75x200 feet, slag roof, electric lighting, steam heating, safety treads, waterproofing. Plans in progress.

Manufacturing Buildings (2), Agasote, N. J. Architect and engineer, John G. Brown, Witherspoon Building, Philadelphia. Owners, Agasote Millboard Co., of Trenton, N. J. Brick and steel, 1 story, 90x336 feet and 92x100 feet, electric lighting, slag roof. Plans in progress. Engineer will take sub-bids.

Garage, Riverton, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, James Coale, Riverton, N. J. Hollow tile and plaster, 2½ stories, 25x25 feet, shingle roof, electric lighting, bond. Architect has received bids.

Factory, Washington Park, N. J. Architects and builders, William Steele & Sons Co., Sixteenth and Arch streets, Philadelphia. Engineer, H. C. Meyer, Jr., 101 Park avenue, New York City. Owners, Joseph Campbell Co., Second and Market street, Camden, N. J. Brick, steel and concrete; main building, 5 stories, 160x740 feet, with 2 wings, 5 stories each, 120x250 feet and 100x120 feet; 3 warehouses, 1 story, 160x550 feet each; 1 warehouse, 160x830 feet; receiving building, 120x400 feet; soup house, 160x500 feet, 2 stories; power house, 1 story, 160x250 feet; slag roof, safety treads, iron stairs, steel stacks, metal frames and sash, dampproofing, waterproofing, metal lath (heating and lighting reserved). Plans in progress. Architect will take sub-bids about June 1st.

High School, Trenton, N. J. Architect, Wm. A. Poland, 9 South Stockton street, Trenton, N. J. Owners, Board of Education, 9 South Stockton street, Trenton, N. J. Brick and stone, fireproof, 1 and 4 stories, 211x275 feet, wing 101x204 feet, composition and inlaid slate roof, iron stairs and safety treads, glazed brick, metal lath (heating, lighting and plumbing and mechanical equipment separate bids). Owners taking bids, due April 29th. Cramp & Co., Denckla Building, Philadelphia, are figuring.

Hotel (add.), Atlantic City, N. J. Architect, Lloyd Titus, Cape May, N. J. Owners, Strand Hotel Co., Atlantic City, N. J. Brick, steel and terra cotta, fireproof, 7 stories, 38x101 feet, slate roof, electric lighting, steam heating, oak floors, metal lath, safety treads, waterproofing. Plans in progress. Bids in about one week.

Morgue and Laboratory, Morris Plains, N. J., \$10,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital for Insane. Brick and terra cotta, 2½ stories, 30x45 feet, quarry tile roof, steam heating, electric lighting, composition floors, dampproofing and waterproofing. Plans completed. Not decided when bids will be taken.

Psychopathic Building, Trenton, N. J., \$50,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital, Trenton, N. J. Stone and concrete, 5 stories, 46x94 feet, slag and tile roof, steam heating, electric lighting, steel sash, elevator, ornamental iron work, composition floors. Plans completed. Not decided when bids will be taken.

Twin Residence, Trenton, N. J., \$5,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, F. T. Walters, American Mechanics' Building, Trenton, N. J. Frame, 2½ stories, 32x44 feet,

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street
PHILADELPHIA - PA.

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

FACTORY FOR SALE

N. E. Cor. Mascher & Master Sts.

3-story Mill, 25 x 70, with adjoining yard, 27 x 70, containing boiler, engine and machinery in first class condition for wood-working mill. Immediate possession. Will make terms to prospective purchaser. Can be examined by appointment. Phone Walnut 1450 or Race 1769.

GEORGE H. JOHNSON, 1218 Chestnut Street

slate roof, hot water heating, gas and electric lighting, tile work. Plans in progress.

Work Shop (add.), Morris Plains, N. J., \$10,500. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital for Insane. Brick and concrete, 2½ stories, 30x36 feet, slag roof, steam heating, electric lighting. Owners will re-advertise for bids.

Greenhouse (add.), New Brunswick, N. J., \$4,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Agricultural College. Brick, 1½ stories, 21x45 feet, slag roof, steam heating, electric lighting, cement floors. Owners will re-advertise for bids.

Residence, Trenton, N. J., \$4,500. Architect, private plans. Owner, John A. Kehoe, 870 Stuyvesant avenue, Trenton, N. J. Frame, 2½ stories, 30x42 feet, slate roof, hot water heating, gas and electric lighting. Owner is taking sub-bids.

Power House, Trenton, N. J. Architect, William B. Thines, Commonwealth Building, Trenton, N. J. Owner, Eureka Flint & Spar Co., New York avenue, Trenton, N. J. Brick, 1 story, 36x85 feet, asbestos roof, concrete floors, electric lighting. Architect taking bids, due April 16th. The following are figuring: S. W. Mather & Son, James Morris, Burton & Burton, E. Robinson, I. Harper Clayton, Otis Johns, Charles Randell, J. Maher, John Franzoni, all of Trenton, N. J.

Residence, Trenton, N. J., \$3,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, Howard C. Teneous, Trenton, N. J. Brick, 2½ stories, 17x47 feet, slate roof, hot water heating, electric lighting. Owner is taking bids.



WHEN YOU BUY A LEVEL
Select one with all the latest and most up-to-date features
An examination of our 1915 model

"Sterling" Convertible Level

will convince you that this splendid, ALL-PHILADELPHIA-MADE product is the most PRACTICAL, SERVICEABLE and EFFICIENT Level obtainable.
SECOND HAND INSTRUMENTS for SALE or RENT. REPAIRING a SPECIALTY

WARREN-KNIGHT COMPANY

Factory and Salesroom

136 N. TWELFTH STREET

PHILADELPHIA
"World's Greatest Workshop"

NEW JERSEY Contracts Awarded

Residence, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, Morris Rolnick, Trenton, N. J. Brick, stone trimmings, 2½ stories, 25x67 feet, slag roof, electric lighting. Contract awarded to Henry Taub, Trenton, N. J.

Residence, Princeton, N. J., \$7,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Miss M. E. Irwin, Princeton, N. J. Frame, 2½ stories, 41x28 feet, wing 14x16 feet shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Benjamin H. Warren, Princeton, N. J.

Bungalow, Pine Valley, N. J. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner's name withheld. Frame, 2½ stories, 42x56 feet, shingle roof, electric lighting. Contract awarded to Harry Walker, Gloucester, N. J.

Apartment House, Phillipsburg, N. J., \$18,000. Architect, F. H. Wenzelberger, Easton, Pa. Owner, F. A. Schimer, Phillipsburg, N. J. Brick, 4 stories, 44x80 feet, slag roof, vapor heating, electric lighting, composition floors, metal lath. Contract awarded to H. J. Wenzelberger, Phillipsburg, N. J.

Residence, Oriental and Seaside avenues, Atlantic City, N. J. Owner's name withheld. Architect, C. E. Oelschlaeger, Harrison Building, Philadelphia. Brick and hollow tile, 3 stories, 39x52 feet, slate roof, electric lighting (heating reserved), oak floors. Contract

awarded to I. T. Shoemaker, 1309 Walnut street, Philadelphia.

Factory Building, Bridgeton, N. J. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Greenebaum Bros., Bridgeton, N. J. Brick, 1 story, 100x200 feet, slag roof (heating and lighting reserved), waterproofing, rolled steel sash. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Residences (2), South Broad street, Trenton, N. J., \$5,000. Architects, private plans. Owner, Margaret M. Hall, Trenton, N. J. Brick and shingles, 2½ stories, 16x50 feet, slate roof, hot water heating, gas lighting. Contract awarded to Andrew Geiger, 153 Liberty street, Trenton, N. J.

Residence, Stuyvesant avenue, Trenton, N. J., \$6,500. Architect, private plans. Owner, John F. Toman, Trenton, N. J. Frame and stucco, 2½ stories, 34x36 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors, metal lath. Contract awarded to Andrew J. Trier, 61 Pennington avenue, Trenton, N. J.

Residences (3), Butler street, Trenton, N. J., \$5,600. Architect, private plans. Owner, Domenico Chianese, Trenton, N. J. Brick, 2½ stories, 15x28 feet, slate and tin roofs, hot air heating, gas lighting. Contract awarded to Frank Russo, 220 Butler street, Trenton, N. J.

MARYLAND Construction News

Residence, Wickford road, Roland Park, Baltimore, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Albert M. Doter, care of Maryland Meter Co., North and Saratoga streets. Frame and stucco, 2½ stories, slate roof, hot water heating, tile bath rooms. Plans in progress.

Church (alt. and add.), Baltimore, Md. Architect, Thomas Lane. Owners, Union Square M. E. Church. Frame and brick, elec-

tric lighting, steam heating, iron work. Architect taking bids. Singer-Pentz Co., Equitable Building; Cowan Building Co., 106 West Madison street, are figuring.

Building (alt. and add.), 617-19 West North avenue, Baltimore. Architect, W. O. Sparklin, Law Building. Owners, Mt. Royal Amusement Co. Brick, slag roof, electric lighting, steam heating, iron and sheet metal. Plans completed. Architect will tag bids soon.

Church, Catonsville, Md. Architect, W. M. Gieske, Gunther Building. Owners, Methodist Church, care of Rev. S. Reese Murray, 3 Melvin avenue, Catonsville, Md. Brick and frame. Plans in progress.

Store Building (alt.), 405 North Charles street, Baltimore. Architect, T. W. Pietsch, American Building, Baltimore. Owners, Bowen & King, 117 Liberty street, Baltimore, Md. New front, electric lighting, plate glass windows, concrete and brick, plumbing. Architect taking bids, due April 19th. The following are figuring: B. F. Bennett Building Co.; John H. Hughes, Jr., 104 East Saratoga street; John Busick, Edw. Watters & Co., P. J. Cushman, H. H. Maclellan, Burns & Russell, American Building, all of Baltimore.

Residence, Mont Alto. Architect, George S. Childs, Law Building, Baltimore, Md. Owner, E. W. Young, care of B. & O. Building. Frame, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Stable, Kate avenue, Baltimore, Md. Engineer, Henry Massart, 15 East Fayette street, Baltimore. Owner, Allen C. Barton, Kate avenue, Baltimore. Concrete, 2 stories, 30x80 feet, slag roof, electric lighting, concrete foundation. Plans in progress.

Warehouse, Ostend and Russell streets, Baltimore, Md. Architects, Callis & Syth, Owner, Samuel Cooper, Ostend and Russell sts., Baltimore, Md. Brick, 2 stories, 15x45 feet, slag roof, electric lighting. Consolidated Engineering Co., Calvert Building, are figuring.

Residence, 300 East Twenty-fourth street, Guilford, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Noel H. Matthews, 300 East Twenty-fourth street, Baltimore, Md. Plans in progress. Details not decided.

Residence, Guilford, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Dr. H. H. Kelsy, 817 Park avenue, Guilford, Md. Frame and brick, slate roof, hot water heating, electric lighting. Plans in progress.

Residences (3), Powhatan avenue, Baltimore, Md. Architect, J. R. Forsythe, Baltimore, Md. Owner, F. E. Yewell, Jr., 3506 Fairview avenue, Baltimore. Frame and stone, 2½ stories, slate roof, electric lighting. Owner is sub-letting all contracts.

Garage, York road, York. Architect, J. C. Speiden, 1649 Hanover street, Baltimore. Owner, H. Webster Cook. Brick, 2 stories, slag roof, electric lighting, concrete floor. Owner is sub-letting all contracts.

Maryland Contracts Awarded

Garage, 228-232 Forrest street, Baltimore. Architects, Callis & Callis, Knickerbocker Building. Owner, H. M. Carlan, 234 Forrest street, Baltimore. Brick, 1 story, 60x100 feet, slag roof, concrete floor and foundation, electric lighting. Contract awarded to Isador Marrian.

Warehouse and Office Building, Walbrook, Md. Architect, private plans. Owners, Hudson Cement Supply Co., Walbrook, Md. Concrete warehouse, 77x18 feet; office, 12x16 feet. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Warehouse, Clarkson street, Baltimore, Md. Architect, W. O. Sparklin, Law Building. Owner, Jacob Blaustein, 2312 Callow avenue, Bal-

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

HARTMAN BLDG.
VAPOR HEATING CO., YORK : PA.

timore. Concrete and brick, 1 story, 30x68 feet, slag roof, electric lighting, iron and steel. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Bakery, William and West streets, Baltimore, Md. Architect, private plans. Owner, Hugh Heying, 301 East West street, Baltimore. Brick, 2 stories, 16x88 feet, tin roof, steam heating, electric lighting. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Garage, Charles and West streets, Baltimore. Architect, J. C. Spedden, 1640 Hanover street. Owners, L. S. Allen & Son. Brick, 2 stories, 65x55 feet, iron and steel, slag roof, electric lighting, concrete floors. Contract awarded to J. J. Moylan, 117 East Centre street, Baltimore.

Swimming Pool, Clifton Park, Md. Engineer, F. H. Gross, City Hall, Baltimore, Md. Owners, Park Board, City Hall, Baltimore, Md. Lowest bid submitted by H. E. Brannan, Belle avenue, \$26,000.

Stairways, Bay View, Md. Architect, private plans. Owners, City of Baltimore, City Hall, Baltimore, Md. Frame work, erecting new stairways. Fred Decker & Son, 1209 East Biddle street, Baltimore, submitted lowest bid, \$5,133.

Residence, Guilford, Md. Architects, Elliott & Emmart, Union Trust Building, Baltimore.

more, Md. Owner, John E. Greiner, Fidelity Building, Baltimore, Md. Brick and concrete, 2½ stories, 50x78 feet, slate roof, hot water heating, electric lighting. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore.

Nursery, Payson and Fayette streets, Baltimore, Md. Architect, George R. Callis, Jr., Knickerbocker Building, Baltimore. Owners, St. Martin's Church. Frame, 2 stories, tin roof, electric lighting, iron and steel. Contract awarded to Monmonier & Sorrell, 1711 McCulloh street, Baltimore.

Stable, Pimlico Race Track, Md., \$9,000. Architect, private plans. Owners, Pimlico Race Track, Pimlico, Md. Frame, composition roof. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore.

Dwellings (10), Longwood street, Baltimore, Md. Architect, private plans. Owner, M. F. Carter, Seventeenth and Edmondson avenue, Baltimore, Md. Brick, 2 stories, 14x45 feet, tin roof, electric lighting, hot air heating. Owner is sub-letting all contracts.

Church, South Charles street, Baltimore, Md. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Church of the Advent, Baltimore, Md. Stone, concrete, iron and steel, slate roof, electric lighting, steam heating. Contract awarded to Henry S. Rippel, 7 Clay street, Baltimore.

Miscellaneous Construction News

Office Building, Detroit, Mich. Architect, Albert Kahn, Detroit, Mich. Owners, Michigan Smelting and Refining Co., Detroit, Mich. Brick and concrete, 2 stories, 32x160 feet, slag roof, electric lighting, steam heating, waterproofing, bond. Architect has received bids.

Residence, Bluefield, W. Va. Architect, Alexander B. Mahood, Bluefield, W. Va. Owner, Edward J. McQuail, Bluefield, W. Va. Brick, 2½ stories, 41x70 feet, tile roof, electric lighting, hot water heating, metal lath, oak floors, bond. Architect has received bids.

Residence (alt. and add.), Milford, Del. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Mrs. Saunders Truitt, Milford, Del. Frame, 2½ stories, new wings 15x20 feet and 12x15 feet, shingle roof, steam heating, oak floors. Architects taking bids, due April 20th. The following are figuring: Eugene Tourison, 1091 Chestnut street, Philadelphia; W. W. Austine & Co., 1218 Filbert street, Philadelphia; Chas. M. Shockley, Milford, Del.; Vincent Harrington, Milford, Del.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Wendell & Smith (O), Overbrook, Philadelphia. M. W. Young, Overbrook, Philadelphia. Cost, \$8,000. Dwelling, stone, 3 stories, 26x41 feet, 6426 Sherwood avenue.

E. H. Weeks (O), 6035 Market street. Cost, \$18,000. Ten dwellings, brick, 2 stories, 15x36 feet, Lensen and Walnut lane. Cost, \$18,00. Ten dwellings.

E. W. Saybolt (O), Thouron and Washington avenue. L. D. Stites (C), 126 Herman street. Cost, \$3,000. Residence, stone, 3 stories, 17x39 feet, Forrest and Johnson streets.

A. Hartman (O), 1020 Foulkrod street. Cost, \$3,500. Dwelling, brick, 2 stories, 16x45 feet, 1029 Foulkrod street.

The W. Cramp & Sons (O), Beach and Ball streets. Hoffman Eng. and Cont. Co., Philadelphia. Cost, \$10,000. Storage, concrete, 2 stories, 77x110 feet, Beach and Ball streets.

Hill & Kendel (O), 7023 Vandyke street. C. Geroke (C), 7101 Torresdale avenue. Cost, \$48,000. Two dwellings, brick, 2 stories, 16x44 feet, Longshore and Gillespie streets.

Wilson & Weller (O), York road and Ruscomb streets. Cost, \$4,200. Residence, brick,

3 stories, 16x50 feet. Cost, \$4,200. Residence, York road and Ruscomb street.

Daniel Crawford (O), 701 North Sixty-third street. Cost, \$214,300. Ninety dwellings, brick, 3 stories, 16x35 feet, West Philadelphia.

George Kessler Cont. Co. (O), Drexel Building. Cost, \$5,500. Dwelling, brick, 3 stories, 33x33 feet, Fifty-fourth and Woodbine avenue.

Wilson & Weller (O), York road and Ruscomb street. Cost, \$3,500. Dwelling, brick, 3 stories, 39x22 feet, York road and Wagner avenue.

Berman Brothers (O), 6019 Market street. Cost, \$55,300. Twenty-five dwellings, brick, 2 stories, 16x30 feet, Fifty-ninth and Haddington avenue.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

Alterations and Additions

John H. Siegler (O), 408 West School lane. John Krebs (C), 3853 Germantown avenue. Cost, \$2,500. Store and dwelling, 16x28 feet, 2 stories, brick, 401 Queen street.

C. Z. Young (O), West End Trust Building. G. Hempenly (C), 120 South Forty-fifth street. Cost, \$600. Store and dwelling, 134 North Eleventh street.

H. A. Mathias (O), 1216 North Fifty-second street. S. G. Humphrey (C), Lansdowne, Pa. Cost, \$800. Dwelling, 659 North Fifty-second street.

C. S. Souken (O), 1706 Jefferson street. J. Schuster (C), 3552 North Fifteenth street. Cost, \$815. Store and dwelling, 703 South street.

David Berg Distilling Co. (O), Delaware avenue and Tasker street. Joseph Levin Co. (C), 1530 South Sixth street. Cost, \$1,350. Office, Delaware avenue and Tasker street.

J. H. Creighton (O), 333 East Lehigh avenue. A. S. Brown (C), 1901 East Clearfield avenue. Cost, \$825. Dwelling, 333 East Lehigh avenue.

Weightman Estate (O), 1931 Market street. J. S. Talley (C), 1931 Market street. Cost, \$1,600. Hotel, 225 South Broad street.

W. H. Mungh (O), 2000 South Sixteenth street. A. S. Parvin (C), 2028 South Sixteenth street. Cost, \$500. Stable, 1611 South Camac street.

Margolin & Block (O), Fifth and Walnut streets. G. J. Reich (C), 1112 Loudon street. Cost, \$1,600. Store and dwelling, 4909 North Broad street. Cost, \$6,000. Dwelling, brick, 3 stories, 20x36 feet, 4911 North Broad street.

Swartz Wheel Co. (O), Margaret street and Pennsylvania Railroad. P. M. Sax (C), Heed Building. Cost, \$3,000. Sheds (2), 32x152 feet, frame, 1 story, Margaret and Pennsylvania Railroad.

J. Elvanian (O), 626 South Sixtieth street. Alexander Dadourian (C), 52 North Sixtieth street. Cost, \$850. Store and dwelling, 10x16 feet, brick, 2 stories, 628 South Sixtieth street.

Don't expect outsiders to give you a big rating on a one-inch space.

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

SURE.

Stick to your work, forget the mob
Avoid the discontented throng;
For, if you're always on the job
Success is sure to come along.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

[Building News Publishing Company, Inc.]

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., APRIL 14, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Broekie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlenberg
TreasurerWalter Mellor
Directors—Clarence C. Zantzinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

The Twenty-first Annual Exhibition of Philadelphia Chapter, A. I. of A., and the T-Square Club, at the Art Club, while lacking, to some extent, the note of distinction which has characterized the exhibitions of other years, is an altogether representative and wholly creditable showing of good, average work in architectural design.

One change, noted in the present exhibition, which cannot fail to be applauded by visitors with an intelligent interest in the subject, is the almost complete elimination of photographs. The small size of the galleries has, we venture to suppose, had something to do with the committee's restriction of the entries to actual drawings. Be that as it may, the result is in a way delightful. The ceaseless multiplication, in former years' exhibits, of photographs of executed work became monotonous and fatiguing. No photograph, however well done, can hope to appeal to the visitor with the interest of the actual drawings.

There is in this year's exhibition the usual absence of anything strikingly new. The new Bell Telephone Building, designed by John T. Windrim; the New Castle County-Wilmington Public Buildings, by John D. Thompson, Jr., and Palmer, Hornbostel & Jones, associate architects; the Hamilton County Court House, Cincinnati, Ohio, designed by Rankin, Kellogg & Crane; the McKinley Birthplace Memorial, Niles, Ohio, accepted, designed by McKim, Mead & White, architects, and the Indianapolis, Ind., Library, by Paul P. Cret and Zantzinger, Borie & Medary, associate architects; the James J. Hill Reference Library, designed by Electus D. Litchfield; the "Thanksgiving Tower," by Zantzinger, Borie & Medary; the American Academy at Rome, by McKim, Mead & White.

Churches represented are the Bethany Church, at Ephrata, Pa., by Seeburger & Rabenold, architects; the interior of St. Mark's Church, at Frankford, by Watson & Huckle; the Lady Chapel, St. Clement's Church, Philadelphia, by Horace Wells Sellers.

Among the most interesting types of housework are the designs by Mellor & Meigs, Bissell, Sinkler & Tilden, Wilson, Eyre & McIlvain, Robert McGoodwin, Brockie & Hastings, Charles Barton Keen, De Armond, Ashmead & Bickley, Edmund Gilchrist, Heacock & Hokanson, Zantzinger, Borie & Medary, Baily & Bassett and J. Flecher Street.

The exhibition will be open daily until May 2nd, and will repay a visit.

* * *

Contending that over-regulation has retarded building activity, discouraged investment and deprived labor of opportunities for employment, L. M. D. McGuire, president of the Real Estate Board of New York, has filed a vigorous protest against pending legislation affecting building.

"I feel personally," says Mr. McGuire, "that sufficient consideration has not been given the serious disturbance in all branches of legitimate business which has resulted through excessive governmental interference and regulation. There are many who believe that opportunity can no longer be grasped by the laboring man and that his condition is a serious one. These people believe that the great combinations of capital have made it impossible for the laboring man to rise from the ranks and become an employer, and to them there is apparently an impassable gulf between the employer and the laborer. My viewpoint and belief are different.

"It has seemed to me that the very objects for which the Commission is striving will be defeated by the laws they seek to enact. If unnecessary and burdensome regulations are placed upon the employer they will ultimately affect injuriously the laborer. It is, therefore, my opinion that while the rights of labor should be safeguarded to the utmost it is important that nothing should be done to discourage the employer or to impair seriously his investment, for this would cause ultimate unemployment and consequent hardship and distress.

"As an instance, the enactment of rigid and drastic regulation as the result of what is known as the Asch fire in New York City had the effect of seriously impeding building operations in that community. Last year's record and that of the year previous were lower than the record of the year of the Asch fire. It is true that part of this loss can be ascribed to the general business depression, yet the percentage of loss in Greater New York was, I believe, larger than in other cities throughout the country, where the same business depression existed, but where the investor and builder were not harassed and interfered with by unnecessary regulations. In consequence of this slack in building operations thousands of workmen are without employment."

Mr. McGuire objects to the proposed changes in the law because he says they are drastic and in many instances unnecessary, and if enacted business and real property interests will be seriously affected. The enlarging of the definition of the term "factory" so that it will include almost every building in the State except those used exclusively for dwelling purposes is contrary to the purpose for which the law was intended.

The bill allows the construction and alteration provisions of the law to be varied by a board, Mr. McGuire says, whose members are admittedly not expert in building construction. The provision of the bill to make "the law flexible in its application" gives the same board the right to specify building material and forms of construction of buildings. It is unwise, he says, to vest this enormous responsibility in persons who are not experts.

In New York City this work is done by building experts in the employ of the city, and their work is reviewable by a board of examiners composed of experts on building construction.

The bill should exempt cities of the first class, Mr. McGuire believes, which maintain building departments or bureaus, from its provisions in all matters which relate to the construction or alteration of buildings. This exemption might be extended to other cities maintaining efficient building bureaus or departments. In New York City there are building bureaus in each borough, the heads of which are required to be builders or architects of at least ten years' experience, and the employees in these bureaus are experts in building construction. The efficiency of the bureaus and the capacity of the employees are conceded facts.

The requirements in New York City are of high standard. Health and life are adequately safeguarded. It would seem to be unfair to take away from New York City and other cities of the first class the jurisdiction over the construction of its own buildings and place it in the State Department, which is not as well equipped to pass upon work involving vast sums of money yearly.

"While the bill gives the labor law entire jurisdiction over the construction and alteration of factory buildings," Mr. McGuire continues, "it empowers the Labor Commissioner to demand that the local building bureaus examine all plans filed in the Labor Department and inspect and report to it on all factory buildings constructed as to the requirements of all laws and ordinances, including the labor law. This would impose upon the local building bureaus the burden of doing all the work and assuming responsibility, but still leave the control within the Labor Department.

"A large saving to both the State and cities could be effected by giving to the local building bureaus jurisdiction over building construction. It would not only make a saving, but would tend to stop the much complained of overinspection and conflict."

* * *

That wages in the building trades have been forced to a point from which one of these days there will be a sharp and sudden recession is intimated in Mr. Theodore Starrett's editorial in "Architecture and Building" on "High Wages and responsibility."

"I was talking last winter," writes Mr. Starrett, "with the business agent of one of the big New York trade union. He was telling me of the extraordinary dearth of employment. Conditions were unheard of; a greater proportion of members out of work than ever was known before; the union funds were being depleted to save the members from eviction. 'Our boys are praying for snow,' said the agent, 'then we can get work on the streets.' Other trades and other unions in New York City were in similar straits.

"To have said to the trade unionists last winter, or even now when things really seem to be on the mend, that architects and builders are made to fight for the crumbs that fall

from the mechanics' table would have provoked a smile of derision. And yet I think a little study will show that that is what is happening and will continue to happen for some time.

"A study of the facts in connection with the advance of trade union wages in the last twenty years shows that two things have aided the unions in their climb; one, the mistaken notion of employers that somebody else would pay, and the other, the spirit of emulation as between trades.

"In this country, where all men are created free and equal, it does not lie well on the carpenter's stomach to think that the bricklayer is getting more money than he (the carpenter) earns; and the iron worker wants as much as the bricklayer, and the pasterer gets as much or more, and all the other trades are clamoring for equality. There was a time, not so very long ago, when the disparity in wages as between one trade and another was very great—some trades getting twice as much as the average. Then began the climb. It was not thinkable that those getting the high wages should voluntarily reduce their demands to the level of those getting the lower wages.

"As I have just said, the employers of the different trades were laboring under the mistaken notion that somebody else paid, owing to the fact that in the building business there no longer existed a condition analogous to that in other business where the employer was always responsible for results.

"In some unions the rate of wages has advanced fifty per cent. in the last twenty years; in others one hundred per cent. In the meantime the advance in wages of the generality of workers in this prosperous land has been probably less than fifteen per cent. The advance of building wages so far beyond that of the generality has made the building business a shining mark.

"You may have heard that death loves a shining mark.

"I have read a story of how a mistaken notion such as that which has helped building wages to such heights was responsible for the extraordinary condition that once existed at the rolling mills in and about Pittsburgh, where the wages of the skilled mechanics reached such enormous heights that many of them drove to their work in the morning behind a team of trotters. At the office (it would not do to call it the shop) the roller or heater would hand the reins to his hired man, draw off his gloves, go to the dressing room, put on his working clothes and start the day's work. In the evening the hired man would be at the gate with the team.

"But the time came when the workmen at Homestead thought that they owned the place and that Carnegie was little better than the office boy.

"Then they were shown.

"The rollers with their teams of trotters are gone. I think if the truth were known about the steel business in this country today, it would be found that the unions have very little to say. We certainly don't hear

as much about them as we used to. All's quiet along the Monongahela.

"The curbing of the unions in the steel business was done by the employers in the steel business—the same men who had allowed the unions to reach the state of inflation and arrogance that they had. The reason why these unions were curbed was because they had to be. It was a matter of life and death for their employers that they should be. The employers had been responsible for it all and they accepted that responsibility.

"In building where do we see the analogy? Where can we find it? Who is the responsible employer in the building business? Not the boss in the trade. Each little group of workmen—bricklayers, harpenters, sheet metal men, steamfitters, plumbers—has at its head a bricklayer, a iarpenter and so on, who is only the leader of his little hlan, and not the responsible employer corresponding to a Carnegie. Neither is it the contractor—general contractor, they call him—who makes up an estimate somehow or other and then makes a bet on the total cast of getting all these different clansmen to do each his little part in the whole. No! The responsible head is the owner, and it remains to be seen what is going to happen to the high-waged mechanics of the building business.

"Meantime there are few crumbs—very few—falling from the mechanics' table."

* * *

One would suppose that in view of all that has been said and written upon the subject of competitions that no one anywhere, here in the effete East at least, could have contrived to remain ignorant upon this much discussed topic. And yet here we have the spectacle of a Board of Education in Wilmington, Delaware, meeting with a wholesale declination to submit competitive plans because no board of experts had been selected to judge same, no assurance given that the one whose plans were approved would be employed and no compensation provided for the unsuccessful

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



competitors. The competition, which thus fails, was for an addition to the Wilmington High School. Why will Boards of the kind persist in attempting to carry out competitions so lacking in the simplest rudiments of common sense, fair play and plain business honesty?

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—“Municipal Engineering.”

Your salesman would consider himself fortunate to get ONE TEN-MINUTE INTERVIEW with a busy architect IN THREE MONTHS. We REACH and TALK DIRECT to men of this calibre FIFTY-TWO WEEKS IN THE YEAR!

You can't get figs from thistles. Nor can you get an assured income from a shoe-string advertising proposition.

DEMONSTRATING SAUM'S PRESERVATIVE

A Group of Prominent Officials, Architects and Engineers Visit Washington to Inspect Saum's in Actual Service—Notable Buildings Treated and the Result After Five Years of Wear and Tear.

A party of architects, engineers and others, interested in the question of wood and concrete preservation, journeyed to Washington recently to inspect floors treated with Saum's Preservative five years back and subjected to continuous and exacting wear since.

In the party were: Mr. G. M. Scofield, of the Scofield Engineering Company, consulting engineers, Philadelphia; Mr. Lewis Ferguson, C. E., Assistant Secretary Association of American Portland Cement Manufacturers; Mr. G. R. Stearns, of Stearns & Castor, architects and Engineers, Philadelphia; Mr. Andrew J. Sauer, of Sauer & Hahn, architects and engineers, Philadelphia; Mr. John Meigs, Assistant Director of Wharves, Docks and Ferries, Philadelphia; Mr. W. A. Stewart, of Moffett & Stewart, architects, Camden, N. J.; Mr. W. L. Grady, engineering department of Chesapeake and Potomac Telephone Company, Baltimore, Md.; Mr. J. R. Sands, Superintendent of Buildings of the Chesapeake and Potomac Telephone Company, Washington, D. C.; Dr. Percy Wade, Medical Director of the Catonsville State Hospital, Catonsville, Md.; Mr. George E. Potter, Treasurer of the Rudolph & West Company, Washington, D. C.; Mr. Charles Fry, Vice-President of the Builders' Steel products Company, Philadelphia; Mr. Thomas E. Rodman, contractor, Philadelphia, and Messrs. Hicks, Musselmann and Sagendorph, of the Sagendorph Co., Inc., Philadelphia.

The party left Philadelphia at 7.20 A. M., and arrived in Washington at 10.45 A. M. Boarding automobiles which were waiting their arrival, visits were made to the following notable buildings, in each of which Saum's Preservative is in use, with the results described:

U. S. Pension Office Building.

Edge grained Georgia pine floor in Chief Clerk's office, treated with Saum's Preservative in 1910.

Immediately underneath this particular floor are suspended a number of steam pipes, comprising a part of the steam heating plant of the building. Previous to the treatment of this floor with Saum's Preservative, it had been varnished and shellaced, but owing to the extreme heat from the above mentioned pipes, it was impossible to make these surface paints adhere to the wood.

In 1910 the old varnish and shellac was scraped off and a coat of Saum's Preservative applied to the floor. Since that time the floor has been scrubbed twice weekly and at the present time, after five years' use, it presents a hard, clean surface, free from any apparent signs of wear and without any signs of splin-

tering. This floor is in marked contrast to those in the adjoining rooms, where they present a dirty, dusty surface and plainly show signs of wear. The evidence of the beneficial effect of the Saum's treatment despite the rather unfavorable conditions mentioned above, seems to be conclusive.

U. S. Treasury Building.

Concrete floor in the basement store room, treated with Saum's Preservative in 1910.

This floor seems to have been well laid, with a troweled surface of 1.2 cement mortar. We were informed by the storekeeper that previous to the above treatment this floor—which was subject to some trucking and continuous walking—was rapidly disintegrating and causing considerable trouble from excessive dusting under wear.

Before tearing the floor out and replacing it, the authorities decided to try an application of Saum's Preservative. This caused a hardening of the concrete surface, stopped further disintegration, and eliminated further trouble from dusting. All of the evidence available seems to bear out the claims of the Saum's people.

The Columbia Institution for the Deaf.

Old and new Georgia pine floors treated with Saum's about five years ago.

The old floor consisted of flat grain Georgia pine and had apparently been in a warped and badly splintered condition when the Saum's Preservative was applied. This treatment seems to have arrested further progress of splintering; to have hardened the surface, and to have greatly improved the appearance of the floor. The owners state that under quite severe wear and with the usual amount of scrubbing, this floor is giving satisfactory service.

The new floors in this institution are in good condition and show no signs of wear after five years' use, and with constant scrubbing and use, none of the new floors show any signs of splintering. These floors consist of Georgia pine.

Concrete Floor in Cow Barn.

This floor was treated with Saum's Preservative about four and a half years ago, when the floor was new. Since that time the principal wear to which it has been subjected is that from the use of iron shod wheelbarrows used for conveying cans of milk. The conditions to which this floor is subjected are more or less severe, but it shows very little sign of wear, the surface is hard and free from dust, and seems to fully bear out the claims of the manufacturers as to the hardening and preserving quality of the Saum's treatment.

This also applies to the wood walls, ceiling,

window screens and frames, all of which have been treated with "Saum's" and are standing up well under the weather.

U. S. Capitol Building.

Portion of concrete floor in sub-station room.

The floor in this sub-station seems to be surfaced with a well troweled 1:2 mixture. A portion of this floor about 12 feet square was treated with Saum's Preservative in December, 1914. It was not to be expected that the treatment of Saum's Preservative, in the short time that had elapsed since its application, would show its full effect on the portion treat-

ed. However, a test made with a stiff bladed knife showed the surface of this floor to have been so hardened that an abrasive stroke of the knife failed to scar the surface or cause any dust to be given off, whereas the same stroke applied to the untreated portion of the floor readily marred the surface, giving off a corresponding amount of dust.

This example of floor treated with the Preservative seemed to be conclusive as to the merits of the Saum's.

Luncheon was served at the New Willard and the party returned to Philadelphia on the 5.35 P. M. train.

be clean cut and will apply only to that particular form of violation. In other words, where a decision is made in a case where there are many points at issue the decision is of little value, except as applied to that specific case, but if the decision is based on a simple issue it will apply to all similar cases and will be of great value to the Board.

"This Board has found its greatest work to be the elimination from the architectural field of various architectural firms, which operate under an alias, such as architectural engineers, civil engineers, industrial engineers, engineers, designers, builders, etc. Most of these violations are assisted by a licensed architect who is either financially interested, a partner, or who secures a salary. This Board has eliminated at least 20 such illegal combinations in the last few months, and expects to eliminate all others from the architectural field in the near future. These combinations are to a great extent the result of lack of enforcement of the law or improper interpretation of the meaning of the wording of the Act. Attention is called to the fact that all structural engineering on buildings is part of the architect's work and cannot be performed by others, except under the direction of a licensed architect; and that the architect is responsible for all engineering data shown on his sealed plans, whether performed by him or not.

"The present members of the Board have thoroughly analyzed the wording of the Act, and all agree it is the best Act creating any of the Boards of the State of Illinois.

"The Supreme Court has just held that the Act is constitutional, which is the only litigation of any real value this Board has had in seventeen years, and any change in the wording of the Act would render this decision worthless, as it would not apply to an act which has been changed.

"The architects and public must then wait until the new or changed Act is held constitutional in order to enjoy the same security they now have. The Legislature should look with favor on any legislation that will assist the State Board in enforcing the law that has been held constitutional, and the Board wishes the architects to assist it in procuring proper legislation, thus giving the Board legal power to stop all buildings that are started in this State without plans drawn by licensed architects and all structures that are attempted to be supervised by others than a licensed architect, or a superintendent under the control of a licensed architect, as provided by law."

The One That Gets the Trade.

The constant dropping water wears away the hardest stone,

The constant chewing bulldog masticates the toughest bone,

The constant cooing lover takes away the blushing maid,

And the constant advertiser is the one that takes the trade.

LICENSING ARCHITECTS

Effect of the Recent Supreme Court Decision in the State of Illinois—Report of the Board of Examiners of that State—The Enforcement of the Act Now Proposed—Prosecutions to be Made.

Francis M. Barton, secretary of the Board of Examiners of Architects of the State of Illinois, has presented at the State Convention of Licensed Architects an interesting annual report.

The law requiring architects practicing in that State to be licensed, has been in effect seventeen years, but few attempts have been made to enforce its provisions rigidly, until the present Board of Examiners took office. The legality of the act has been established recently by the Supreme Court, and the board now proposes to enforce the provisions on its broad interpretation.

"We have," says the report, "to-day 863 licensed architects; 410 architects who were admitted because they were practicing when the law went into effect, and 453 architects who passed examination by the Board. There have been given three regular class examinations since the last biennial report was made, as follows: April 15, 16 and 17, 1913; October 14, 15 and 16, 1913; April 14, 15 and 16, 1914; and preparations are now being made for the coming fall examination, which will take place October 20, 21 and 22, 1914, all at the University of Illinois, Urbana. There have also been held four special examinations under the provisions of the 'Board Rule No. 10' (adopted May 10, 1907) and an exception to the same (adopted June 18, 1909). These special examinations have been held at the Board rooms, in Chicago, at the following times: April 7-8, 1913; September 25-26, 1913; March 25, 1914, and June 18, 1915 (also at Urbana). A total of 236 candidates have taken the regular class and special examinations (up to September 30, 1914), and of these 105 have passed and received certificates. Thirty practicing architects of other States received certificates after examination before the Board, by exhibits, and in some cases, after personal attendance.

"This Board agrees, as a unit, in a broad interpretation of the wording of the Act, and in the strictest enforcement of the Act

on its broad interpretation and will only narrow down its interpretation by the decision of the Supreme Court.

"The present Board holds that only a licensed architect can practice in this State, or from this State, and that his license is not transferable or negotiable. Any combination formed for the practice of architecture, except between licensed architects, is illegal, and any licensed architect who assists others to practice, who have no license, is guilty of dishonesty, as provided in the Act, and should have his license revoked.

"The Illinois State Board of Examiners of Architects has been in existence for seventeen years, but there was no Supreme Court decision until the present Board assumed office, and practically no court action of any importance that would give to this Board a precedent to follow. For the past seventeen years we have read a great many legal opinions from eminent lawyers, and there has been much argument among lawyers and among architects and the public as to the meaning of the wording of the Act. This wrangle has existed for seventeen years. The Act was never broadly enforced, but complaints were mostly settled on a compromise which still left the meaning in doubt.

"This Board proposes that at least eight cases of different forms of violation of the Act shall reach the Supreme Court inside of the next year, at which time the courts will definitely settle forever any question as to the proper interpretation of the wording of the Act, that is, the rights of the architect and the rights of the public; and when this has been accomplished, then the enforcement of the Act will be a more simple matter. Most of these eight cases are in preparation and some are in court at present. However, it must be borne in mind that the cases selected are cases where the violation is specific of its kind and not complicated by various other elements, so that when a decision is rendered in the Supreme Court it will

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****R. M. Nicholson**, former advertising manager of the Kimberly-Clark Paper Company, Neenah, Wis., and later space buyer for the Cramer-Krasselt Company, Milwaukee, Wis., has been placed in charge of the advertising department of the Berger Manufacturing Company, Canton, Ohio. P. L. Kriehbaum, who, since the resignation of G. P. Blackston, on December 1, filled the vacancy, has now returned to his regular work as promoter of sales, which position he occupied prior to taking the temporary direction of the advertising department.

****At a recent meeting of the Associated Metal Lath Manufacturers**, Youngstown, Ohio, a resolution was passed to the effect that in the future all metal lath would be designated alone by weight, and in a metal lath hand book now on the press the association recommends that in all specifications metal lath be required to be painted, if not galvanized, and to weigh not less than 3½ pounds per square yard.

****An interesting suggestion was made in the discussion before the Boston Society of Civil Engineers on a paper by Leslie H. Allen**, of the Aberthaw Construction Company, Boston. It is well known that some excavation work is so simple that it will cost less than half what other work of the same sort costs. "A superintendent on a job at Philadelphia may receive a cost comparison and see that a man on a new job in New Hampshire is beating his costs by half. If he is conscientious, this may worry him. Why not send out a comparison of costs per unit divided by the estimate per unit, this to be corrected if later knowledge should show it to be low? In this way the superintendents would get their comparative efficiencies instead of comparative costs, a more equitable comparison."

****The Chicago Architectural Exhibition**, given jointly by the Chicago Architectural Club, Illinois Society of Architects, the Illinois Chapter, American Institute of Architects, and the Art Institute of Chicago, will be held in the galleries of the Art Institute of Chicago, April 8 to 28.

****The International Heater Company**, Utica, N. Y., held a convention of its sales force at its home offices in Utica in February. Among the speakers at the business and other sessions were C. M. Lyman, advertising manager; R. V. Edel, Howard Neal, E. H. Remig, W. G. Jones, superintendent of the foundry; J. K. Simpkins, Eastern sales manager; G. A. Tyler, J. B. Orbison, I. L. Jones, treasurer, and D. E. McCabe, Chicago manager, and H. A. Simmons.

****B. F. Affleck** has been elected president

of the Universal Portland Cement Company, owned by the United States Steel Corporation, to succeed Edward M. Hagar, whose resignation was recently announced. Mr. Affleck entered the service of the Illinois Steel Company in 1896, and from 1901 to 1903 represented the cement department of the company in the St. Louis territory. When the Universal Portland Cement Company was incorporated in 1906 to take over the cement business of the Illinois Steel Company, he became general sales agent. From a small plant at South Chicago, producing 30,000 barrels in 1900, the business has grown steadily and the company now has plants at Chicago and Pittsburgh with a plant under construction at Duluth, the combined capacity being about 13,000,000 barrels per annum. Mr. Affleck is vice-president of the Cement Products Exhibition Company, under whose management the Annual Cement Shows have been held in Chicago. He is recognized as the pioneer in promoting the use of concrete as a paving material.

****Announcement is made that the twenty-seventh annual convention of the National Association of Master Steam and Hot Water Fitters will be held in Milwaukee, Wis., June 21-25, 1915.**

****The Yellow Pine Manufacturers of the South have just perfected an organization known as the Southern Pine Association**, with J. E. Rhoades as secretary and manager, and with permanent headquarters in New Orleans, La. For the present three departments will be maintained—Forestry, Publicity and Research. We understand that more than 150 members signed the roster representing an annual output of about five billion feet.

****The annual convention of the National Pipe and Supplies Association will be held in Buffalo, N. Y., May 11-13, 1915.** Headquarters at the Hotel Lafayette. Secretary, George D. McIlvaine, Oliver Building, Pittsburgh, Pa.

****The seventh annual convention of the National District Heating Association will be held in Chicago, Ill., June 1-3, 1915.** Headquarters at the Hotel Sherman.

****Announcement is made from the office of secretary of the Universal Portland Cement Co., 208 South La Salle street, Chicago, Ill., that Mr. Blaine S. Smith has been appointed general sales manager, succeeding Mr. Benjamin F. Affleck, who has been elected president.**

****It is interesting to note that the students in the Manual Training Department of the Western High School at Bay City, Mich., are being taught the practical side of house build-**

ing by Instructor R. D. Paxton. The students are given blue prints and are instructed in the proper manner of carrying out the work which they cover. The work done by students thus far as an experiment has proven a great success and they will be taught not only how to build homes, but also the details of house construction.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

NOTICE TO BUILDING CONTRACTORS.

Sealed Proposals will be received by the Committee on Grounds and Buildings of the Board of Education of Trenton, N. J., at the office of the Business Manager, Administration Building, No. 9 South Stockton street, at 2 o'clock P. M., Thursday, April 29th, and opened immediately thereafter, for all labor and materials necessary for the erection of a brick and stone school building to be known as Junior High School, No. 1, in accordance with plans and specifications prepared by the Board of Education. Copies of plans are on file and may be obtained at the office of the Business Manager.

Separate bids must be presented for Plumbing, Heating, Ventilation and Electric Wiring. Fifty (\$50.00) dollars must be deposited for each set of plans loaned, which will be forfeited to the Board of Education if plans are not returned in good condition upon the date specified.

Each bid must be submitted upon the form in the back of the specification and must be accompanied by a certified check for ten per cent. of the amount of the bid, payable to the contractor's order, properly endorsed, as a guarantee that he will enter into a contract for the work if his proposal is accepted by the Board of Education.

Within ten days after the moneys appropriated by the Board of Commissioners for this purpose becomes available the successful bidder will be required to enter into a contract, for the completion of the entire work on or before August 1st, 1916.

A bond of an approved surety company for the full amount of the contract must be given by the contractor.

Each bidder must give the names of his sub-contractors.

Estimates will also be received on the same date and hour for all furniture required.

The Board reserves the right to reject any or all bids.

WILLIAM A. POLAND,
Business Manager.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 5, 1915.—Sealed proposals will be opened in this office at 3 P. M., May 17, 1915, for the extension, alteration, etc., of the United States post office at Concord, N. H. Drawings and specifications may be obtained from the custodian at Concord, N. H., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Builders' Specialties.

Builders Iron Works Co., 217 N. 15th st.,

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Gas Grates.

J. B. Spruance, 9 S. 18th st., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hangers (Wall and Joist).

Builders Iron Works Co., 217 N. 15th st.,

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
Humphrys-Christman Co.,
635-37 N. Watts st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Wall Safes.

J. B. Spruance, 9 S. 18th st., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

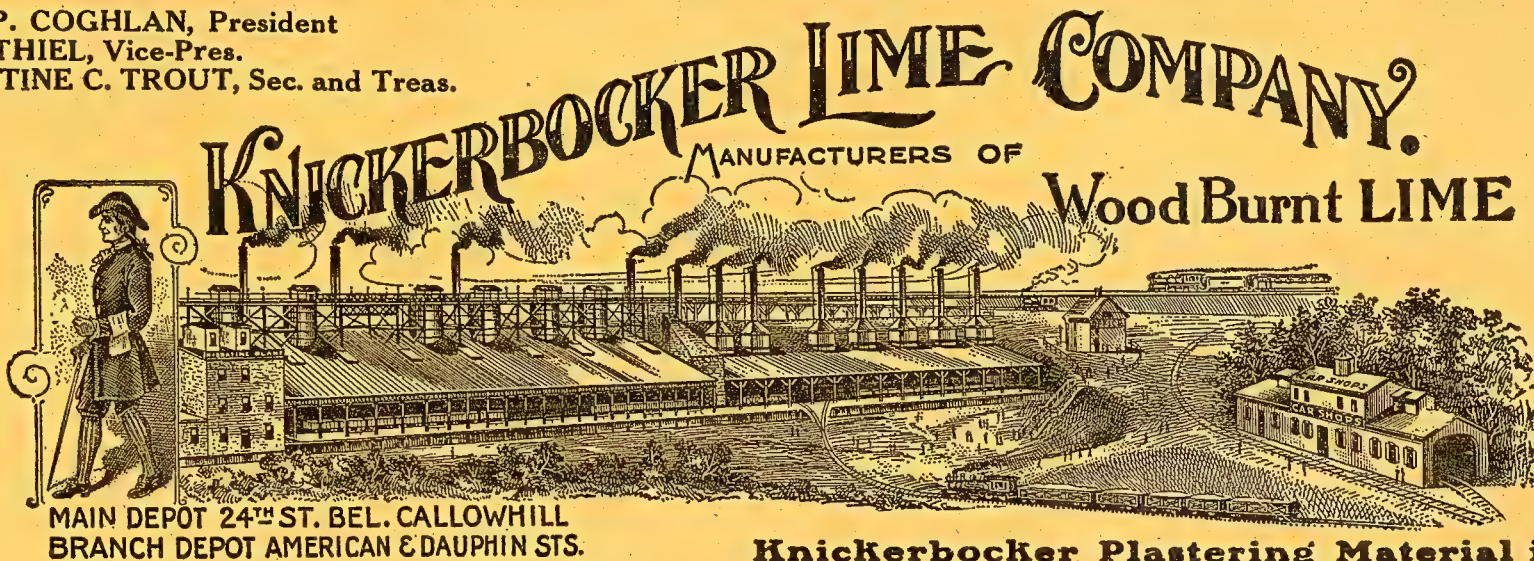
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

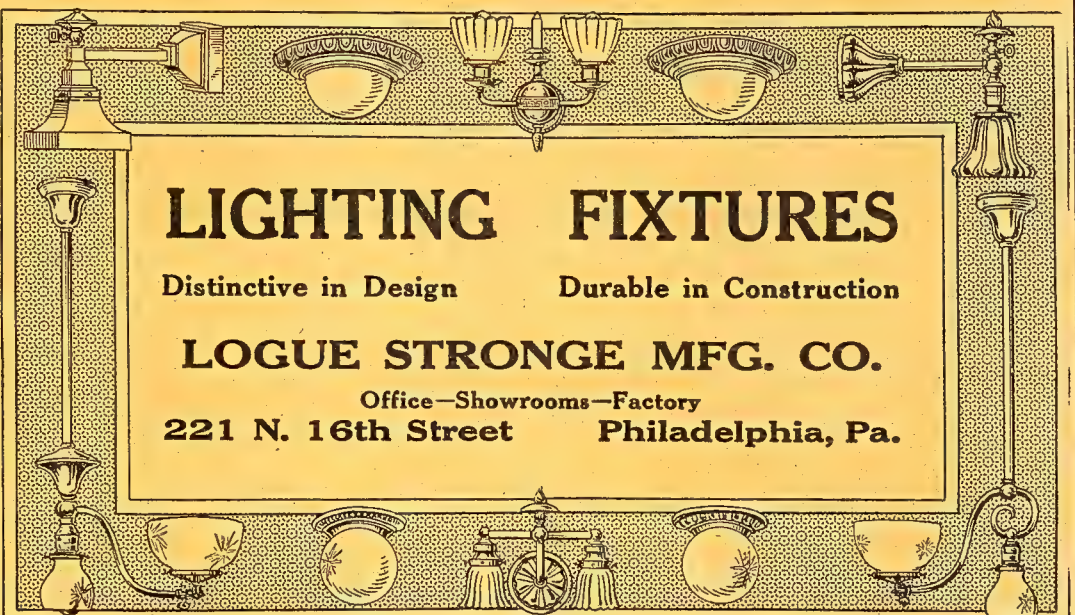
HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design

Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg., Philadelphia, Pa.

MANUFACTURERS OF Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.

SPECIAL OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 16.

PHILADELPHIA, WEDNESDAY, APRIL 21, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland Cement



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

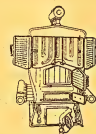
Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MILLS



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

THE H. B. SMITH CO.

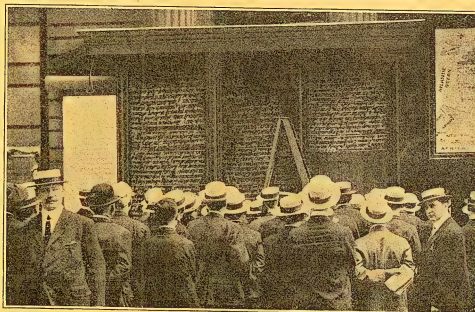
1225 Arch Street

PHILADELPHIA, PA.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

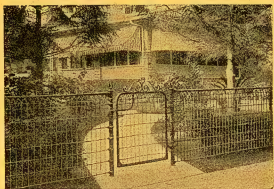
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work. The Original and Real Article. The only board, a repeater. Sample will convince you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Box Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



DESIGNS

DETAILS

CHAS. H. KOHN & CO.

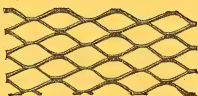
Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

"BILCO"

Expanded Metal Lath



"Bilco" Diamond Mesh

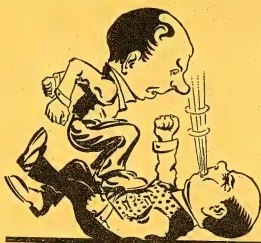
is the highest grade metal lath. Particularly suited for lathing domes, cornices, ceilings, etc.

Made in sheets 24x96 in., 1 7-9 sq. yds., in following gauges, 22, 24, 25, 26, 27.

Packed 15 sheets (26 2/3 sq. yds.) to the bundle.

BUILDERS STEEL PRODUCTS CO.,

"Bilco" Fireproofing Materials,
181-133 S. 24th Street, Philadelphia, Pa.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

WILLIAM THOMSON

Sunshine and Othello Ranges
Sunshine Water, Steam and Air Heaters
Oriole Gas Ranges

64 and 66 N. 2nd St. Phila., Pa.

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.

General Offices and Factory, AUDUBON, N. J.



"F-S" Products are leaders everywhere.

"F-S" Mission Finishes rank high because they are easily applied without danger of setting or lapping while brushing out. They come in permanent colors of a wide variety of shades, and have no unpleasant odor. Chances for general satisfaction are always great when you specify a material of established repute.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(112)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

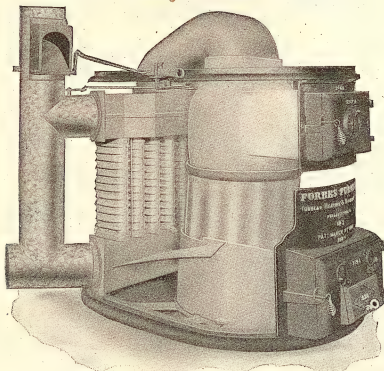
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

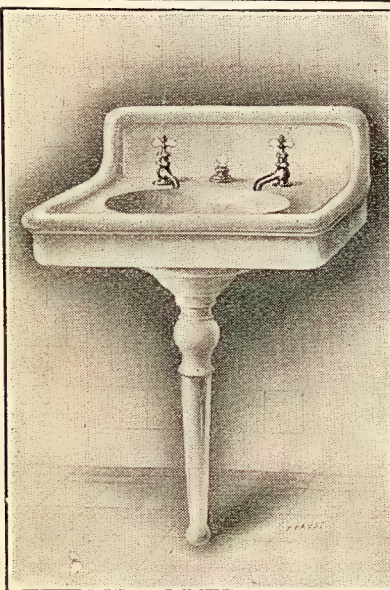


Plate 107 D
18x20 Vitreous China Lavatory

"CAPOCO"

Sanitary Vitreous Earthenware

can be purchased from any
jobber of Plumbers Supplies
in the United States.

Write for special *Cata-
logue D.*

Specify "CAPOCO" Ware for your
Bath Rooms on particular work

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



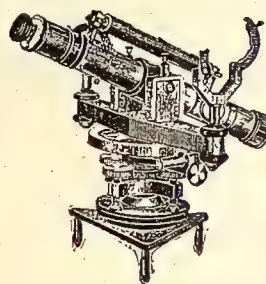
The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing
Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transits from \$15
to \$115.

Serviceable.

Durable. Will hold adjustments

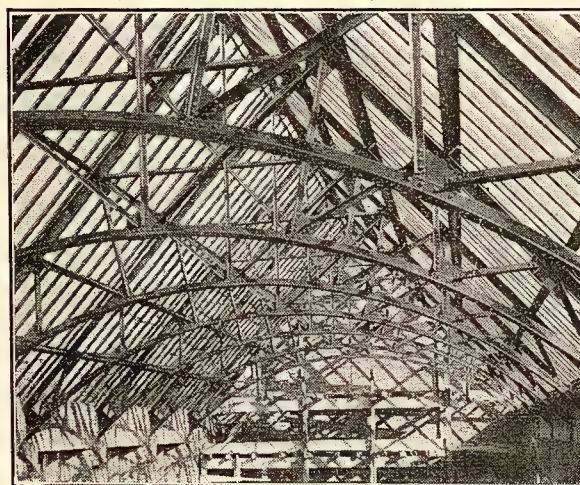


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

Structural Steel
Steel Towers
Ornamental Iron
Work
Concrete Designs

The Dependability of The Daily
Building News makes this service
invaluable to concerns interested
in building construction.

Building News Publishing Co.

PERRY BUILDING

--

PHILA., PA.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 16.

PHILADELPHIA, WEDNESDAY, APRIL 21, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (10), Carpenter street and Lincoln Drive, Germantown. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, John H. McClatchy, Land Title Building, Philadelphia. Stone, 2½ stories, 28x45 feet, slate roof, electric lighting, hot water heating, oak floors. Plans in progress.

Residence and Garage, Haines and Boyer streets, Germantown. Architect, private plans. Owner, August Baur, 6316 Ross street, Philadelphia. Stone, 2½ stories, 32x47 feet; garage 1 story, slate roof, electric lighting, hot water heating, oak floors. Plans in progress.

Slaughter House (alt. and add.), 2222 East Auburn street, Philadelphia. Architect, B. J. Medoff & Sons, 524 Walnut street, Philadelphia. Brick, 2 stories, 17x45 feet, slag roof. Owner taking sub-bids.

Garage (alt. and add.), southwest corner of Broad and Callowhill street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Samuel Sternberger, Tenth and Filbert streets, Philadelphia. Brick and concrete, 1 story, 85x125 feet, slag roof, electric lighting. Plans in progress.

Picture Theatre, Thirty-first and Wilt sts., Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Northwest Realty Co., Thirty-first and Wilt streets, Philadelphia. Brick, concrete and terra cotta, 1 story, 44x125 feet. Plans in progress.

Factory, 913 Arch street, Philadelphia. Architect, private plans. Owner's name withheld. Brick, steel and concrete, 4 stories, 137x25 feet, slag roof, electric lighting, steam heating. Fidelity Const. Co., Heed Building, Philadelphia, taking sub-bids.

Factory (alt. and add.), Eleventh and Wood streets, Philadelphia. Owners, Jarden Lithograph Co., Eleventh and Wood streets, Philadelphia. Brick and concrete, 4 stories, copper roof. Architects have received bids.

Residence (alts.), Twentieth and Walnut streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Miss Nina Lea, 2000 Walnut street, Philadelphia. Brick, 1 story, 12x16 feet, copper roof, electric lighting, hot air heating. Architects taking bids, due April 21st. The

following are figuring: William R. Dougherty, 1610 Sansom street; Frank E. Wallace, 1210 Sansom street; George L. Sipps, 912 Locust street; H. M. Kister, 621 Sansom street, all of Philadelphia.

Garage, 2025 Walnut street, Philadelphia. Architects, Conner & Slifer, Lansdale, Pa. Owner, Dr. D. J. McCarthy, 2025 Walnut street, Philadelphia. Brick, 1 story, 20x23 feet, slag roof, electric lighting. Owner has received bids.

Garage, 2030 Rittenhouse street, Philadelphia. Architect, private plans. Owner, Estate of Caleb J. Milne, Eleventh and Washington avenue, Philadelphia. Brick, steel and concrete, 2 stories, 58x75 feet, slag roof, metal lath, metal frames and sash (heating and lighting reserved). Owner has received bids.

Residence and Garage, Horter street, west of Wissahickon avenue, Philadelphia. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, William H. Trump, 515 Westview street, Germantown, Philadelphia. Stone, 2½ stories, 53x44 feet, shingle roof, hot water heating, electric lighting, oak floors. Architect taking bids, due April 21st. The following are figuring: J. Sims Wilson Co., 1125 Brown street; Stokes Bros., 6723 Musgrave street; William J. Gruhler Co., 219 East High street; John E. Kearney, 327 North Sixth street; Samuel Harting, 20 East Johnson street; I. A. Dunkelberger, 71 East Herman street, Germantown.

Residence, Haines street, Germantown, Philadelphia. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, W. M. C. Kimber, 999 East Haines street, Germantown. Brick, 2½ stories, 28x34 feet, shingle roof, hot air heating, electric lighting. Plans in progress. Architect will take bids in about ten days.

Loft Building, Eleventh and Brandywine street, Philadelphia. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Ed. J. Schoettle Co., 237 North Sixth street, Philadelphia. Brick, steel and concrete, 8 stories, 100x112 feet, slag roof, electric lighting, steam heating, metal frames and sash, slag roof, electric lighting, steam heat-

ing, waterproofing, iron stairs, safety treads. Architects have received revised bids.

Apartment House, southwest corner Forty-sixth and Spruce streets, Philadelphia, \$40,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Harrison N. Diesel, 4943 Chester avenue, Philadelphia. Brick, terra cotta and limestone, 4 stories, 55x120 feet, slag roof, steam heating, electric lighting, tile work, oak floors, electric elevator. Owner taking sub-bids.

Warehouse, Duval and Germantown avenue, Germantown. Architect, private plans. Owner, Christian C. Ludwig, 6365 Germantown avenue. Brick, 4 stories, 45x47 feet, slag roof (heating, lighting, elevators reserved). Bond. Owner taking bids. McCloskey-Bahls, Hale Building, Philadelphia, are figuring.

Residences (47) and Stores (6), Torresdale avenue, Frankford. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Barnet Rubin, 3140 Frankford avenue, Philadelphia. Brick, 2 stories, 14x49 feet, slag roof, electric lighting, hot water heating, oak floors. Plans in progress.

School and Convent, Germantown. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, St. Catherine's R. C. Church, Germantown. Stone and brick, 2 stories, 50x80 feet, slate roof, electric lighting, steam heating. Plans in progress.

Garage, Tenth and Dakota streets, Philadelphia. Architect, private plans. Owner, A. C. Krumm & Sons, 1012 Dakota street, Philadelphia. Brick, 2 stories, 32x70 feet, slag roof, steam heating, electric lighting. Owners taking bids, due April 22nd. The following are figuring: H. H. Wehmeyer, 1004 West Lehigh avenue; F. A. Havens & Co., 845 North Nineteenth street; Harry Gill, Jr., 2515 Germantown avenue; P. Hainbach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

Store Building, 2846½ Kensington avenue, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, Samuel J. Lyons, on premises. Tapestry bricks, 2 stories, slag roof, hot water heating, metal

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

**BLUE
PRINTS**

KEYSTONE PHONE, MAIN 497

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



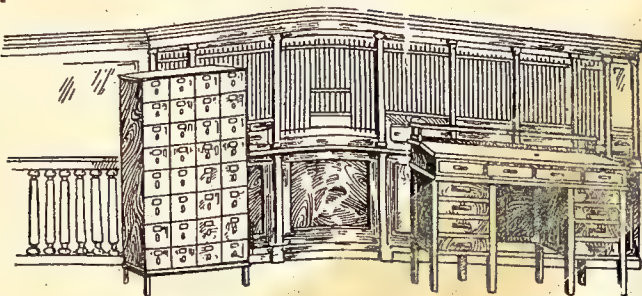
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK

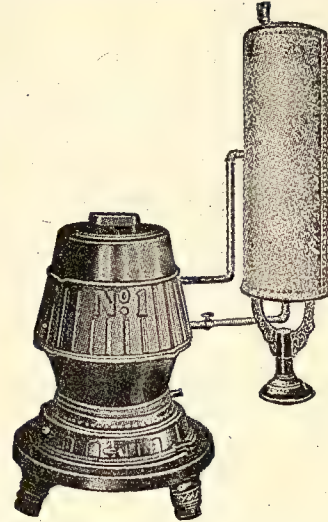


Be sure and get our prices before
you buy your Office Partitions, Cabinet
Work, Store Fixtures, Bank and Office
Fixtures, or anything in interior wood
work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.

**UNITAS
TILING**
A non-metallic substitute for
tile and wood



Crown-Adelphia TANK HEATER

This wonderful little heater will furnish an abundance of
Hot Water continuously day and night at the cost of a few
cents per day.

Installed in the basement, it will not heat the kitchen in
summer, and will keep your basement dry.

Furnished in four sizes, No. 1 and 2 recommended for
ordinary family use.

CIRCULAR UPON REQUEST

BORDEN STOVE COMPANY

118-122 N. Second Street :: Philadelphia

INSTALLED AND GUARANTEED BY YOUR PLUMBER

ceilings, tile work. Plans about completed.
Bids in a few days.

Church, Thirteenth and Ruscomb streets,
Philadelphia, \$60,000. Architect, A. A.
Ritcher, Sixth and Court streets, Reading,
Pa. Owner, Muhlenberg Memorial Lutheran
Church, Rev. Jerome M. Guss, 5125 North
Marvine street, Philadelphia. Brick, stone,
1 story, 90x107 feet, asbestos roof, vapor
vacuum heating, electric lighting, dampproof-
ing, metal lath. Plans about completed. Arch-
itect will take bids in a few days.

Store and Residence (alt. and add.), 2617
Germantown avenue, Philadelphia. Architect,
Charles Parker, 1227 Hilton street, Philadel-
phia. Owner, H. D. Clauser, 2617 Germantown
avenue, Philadelphia. Brick, 2 stories, 16x45
feet, slag roof, electric lighting, steam heat-
ing. Architect taking bids, due April 21st.
The following are figuring: H. H. Wehmeyer,
1004 West Lehigh avenue; Harry Gill, Jr.,
2515 Germantown avenue; R. Laux, Tenth and
Rising Sun Lane, Philadelphia.

Church (add.), Lyons avenue and Island
road, Philadelphia. Architect, E. D. Salter,
North Wynnefield, Pa. Owners, Presbyterian
Church, on premises. Stone, 1 story, 38x50
feet, slate roof, electric lighting, steam heat-
ing. Plans in progress.

Residence, Fox Chase, Philadelphia. Archi-
tect, E. D. Salter, North Wynnefield, Pa. Own-
er's name withheld. Stone and frame, 2½

stories, 35x55 feet, shingle roof, hot water
heating, electric lighting. Plans in progress.

Garage (alt. and add.), southwest corner of
Broad and Callowhill streets, Philadelphia.
Architects, Sauer & Hahn, 1112 Chestnut st.,
Philadelphia. Owner, Samuel Sternberger,
Tenth and Filbert streets, Philadelphia. Brick
and concrete, 1 story, 85x125 feet, slag roof,
electric lighting, steam heating. Architects
taking bids, due April 26th. The following
are figuring: E. E. Hollenback, Fifteenth and
Race streets; Irwin & Leighton, 126 North
Twelfth street; Turner Concrete Steel Co.,
1713 Sansom street; Cramp & Co., Denekla
Building; Lam Building Co., 1001 Wood
street; Roydhouse-Arey Co., Fidelity Build-
ing, Philadelphia.

Dwellings (15) and Stores (2), Fifty-sev-
enth and Race streets, Philadelphia. Archi-
tect, F. N. Greisler, Lafayette Building, Phil-
adelphia. Owners, F. A. Rubin & Co., 1127
Thompson street, Philadelphia. Brick, 2 stor-
ies, 16x52 feet and 15x47 feet, slag roof, elec-
tric lighting, hot water heating, oak floors.
Owners taking sub-bids. Charles Heinke, 160
West Sharpnack street, Germantown, is figur-
ing.

Residence, Overbrook, Philadelphia. Archi-
tects, Baily & Bassett, 421 Chestnut street,
Philadelphia. Owner, De Witt Irwin, City
line and Lancaster avenue, Philadelphia.
Stone, 2½ stories, steam heating, electric
lighting, hardwood floors. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Storage Warehouse, 5220 to 5224 Filbert
street, Philadelphia, \$3,300. Architect, W.
Garrett Rodgers, 6216 Jefferson street, Phila-
delphia. Owners, Morris Storage and Van
Co., 35 North Fifty-second street, Philadel-
phia. Brick, 3 stories, 50x64 feet, slag roof.
Contract awarded to Boyd & Carmichael, 211
East Willow Grove avenue, Philadelphia.

Tenant House, Queen lane, Germantown,
Germantown, \$2,500. Architect, J. Fletcher
Street, Drexel Building, Philadelphia. Own-
er, Mason estate, Germantown. Stone, 2 stor-
ies, 25x26 feet, slate roof, electric lighting.

Contract awarded to J. Sims Wilson, 1125
Brown street, Philadelphia.

Buildings (alt.) (2), Broad and Chestnut
streets, Philadelphia. Architect, John T. Win-
drim, Commonwealth Building, Philadelphia.
Owner, John Wanamaker, Thirteenth and
Market streets, Philadelphia. Brick, stone
and steel, fireproof, new store front, electric
lighting, steam heating, parquet floors,
metal lath, safety treads, iron stairs, water-
proofing. Contract awarded Pomeroy Const.
Co., 1609 Ranstead street, Philadelphia.

Buildings (2), Frankford, Philadelphia.

Manufactured by the
Embossed Wall Covering Co.
Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

**UNITAS
Composition Flooring**
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

Architects, private plans. Owners, U. S. Government, care of Col. George Montgomery, Frankford, Philadelphia. Brick, steel and concrete, 1 story, 51x110 feet and 42x48 feet, slate roof (heating and lighting reserved), maple floors. Contract awarded to Charles D. Burns, Bridgeport, Pa., \$17,352.

Store and Loft Building, 210 South Thirtieth street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owners, J. K. Davison & Sons, 718 Sansom street, Philadelphia. Brick, steel, concrete and terra cotta, 6 stories, 25x100 feet, slag roof, dampproofing, metal sash, metal lath (elevators, electric work, steam heating, cabinet work reserved). Contract awarded to Metzger & Fisher, Denekla Building, Philadelphia.

Bakery, 2335 Sedgley avenue, Philadelphia. Architect, private plans. Owner, Tasty Baking Co., on premises. Brick, 2 stories, 55x100 feet, slag roof (heat and light reserved). Contract awarded to Joseph F. Myers, Jr., & Co., 1237 Ridge avenue, Philadelphia.

Cooper Shop and Warehouse, Thompson and Huntingdon streets, Philadelphia. Architect, private plans. Owners, John T. Lewis & Bros. Co., Lafayette Building, Philadelphia. Concrete and steel, 2 stories, 34x95 feet, galvanized iron roof. Contract for everything except concrete work awarded to Steward & Stevens, 1712 North Ninth street, Philadelphia.

Factory, 109-111 North Orianna street, Philadelphia. Architect, Arthur C. Forster, Roxborough, Pa. Owners, F. Brecht's Sons, on premises. Brick and concrete, 2 stories and basement, 45x53 feet, slag roof, metal lath,

metal frames and sash, waterproofing (heating and light reserved). Contract awarded to Monaghan & Loose, 214 South Twelfth street, Philadelphia.

Residence, West Allen lane, Germantown. Architect, George C. Johnson, 1409 North Seventeenth street, Philadelphia. Owner, E. J. Johnson, care of architect. Brick and plaster, 2½ stories, 22x35 feet, shingle roof, electric lighting, hot air heating, oak floors. Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Residence (al.), Queen Lane, Philadelphia. Architect, S. D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owners, School Lane Land Co., Warden estate, Witherspoon Building, Philadelphia. Consists of interior alterations, electric lighting. Contract awarded to Fred Elvidge & Son, 5522 Germantown avenue.

Office Fixtures, Drexel Building, Philadelphia. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owners, Thos. A. Biddle & Co., 326 Walnut street, Philadelphia. Consists of fixtures and interior furnishings (heating and lighting and tile work reserved). Contract awarded to William Russell Co., Sixteenth and Fitzwater streets, Philadelphia.

Bank, Passyunk avenue and Bainbridge st., Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Penn State Bank of Philadelphia, care of Herman Loeb, City Hall. Brick and stone, 1 story, 40x57 feet, slag roof (heating and lighting reserved), safety treads, iron stairs, composition floors, metal lath, waterproofing. Contract awarded to Freund-Seidenbach Cont. Co., Bulletin Building.

FACTORY FOR SALE

N. E. Cor. Mascher & Master Sts.

3-story Mill, 25 x 70, with adjoining yard, 27 x 70, containing boiler, engine and machinery in first class condition for wood-working mill. Immediate possession. Will make terms to prospective purchaser. Can be examined by appointment. Phone Walnut 1450 or Race 1769.

GEORGE H. JOHNSON, 1218 Chestnut Street

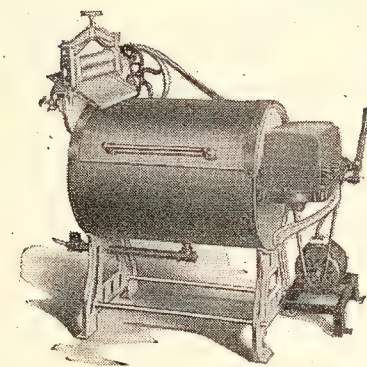
HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

PENNSYLVANIA Construction News

Hotel and Apartment, Hazleton, Pa., \$15,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner's name withheld. Brick, 3 stories, 36x54 feet, slag roof, hot water heating, combination lighting, tile baths, ornamental iron. Plans in progress.

Armory, Lebanon, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, National Guard of Pennsylvania, Armory Building, Harrisburg, Pa. Brick drill hall, 1 story, 60x80 feet, administration building, 2 stories, 50x36 feet, slag roof, steam heating, electric lighting. Plans completed. Owners will soon advertise for bids.

School, Sugar Notch, Pa., \$40,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Borough of Sugar Notch, Pa. Brick and terra cotta, 2 stories, 94x80 feet, slag roof, steam heating, electric lighting, metal lath, 4 ventilators, waterproofing and dampproofing. Plans in progress.

Hotel (alt. to front), Plymouth, Pa. Architect, Henry Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Standard Brewing Co., Scranton, Pa. Leaded glass and marble, 1 story, metal ceilings, tile floors, art glass dome. Ready for bids.

Picture Theatre, Avoca, Pa., \$7,000. Architect, Henry Maier, Coal Exchange Building,

Wilkes-Barre, Pa. Owner, T. J. Dunn, Avoca, Pa. Brick, 2 stories, 38x123 feet, slag roof, steam heating, electric lighting, tile floors, metal lath. Owner taking bids.

Warehouse, Wilkes-Barre, Pa., \$10,000. Architect, Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Nelson Brothers, Wilkes-Barre, Pa. Brick, 5 stories, 30x56 feet, slag roof, electric lighting, slow burning construction. Ready for bids.

Church (add.), Simpson, Pa., \$20,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, St. Michael's R. C. Church, Rev. Valentine Matuszewski, Simpson, Pa. Brick, 1 story, 50x120 feet, slate roof, steam heating, electric lighting. Caputo & Sojka, Linden and Mifflin streets, Scranton, Pa., submitted the lowest bid and will probably receive contract.

Residence, Dallas, Pa., \$4,000. Architect, Thomas H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre, Pa. Owner, Miss Edith Reynolds, care of architect. Frame and stucco, 2½ stories, 25x35 feet, shingle and slate roof, hot air heating, electric work, metal lath, dampproofing. Architect taking bids, due April 28th. The following are figuring: J. E. Remley, Trucksville, Pa.; B. F. Ide, Idetown, Pa.; L. E. Minton, Shavertown, Pa.

FFactory Building, Wilkes-Barre, Pa., \$300,

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

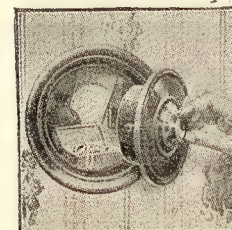
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG,
PHILADELPHIA, PA.



MEILINK WALL SAFES

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.



R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

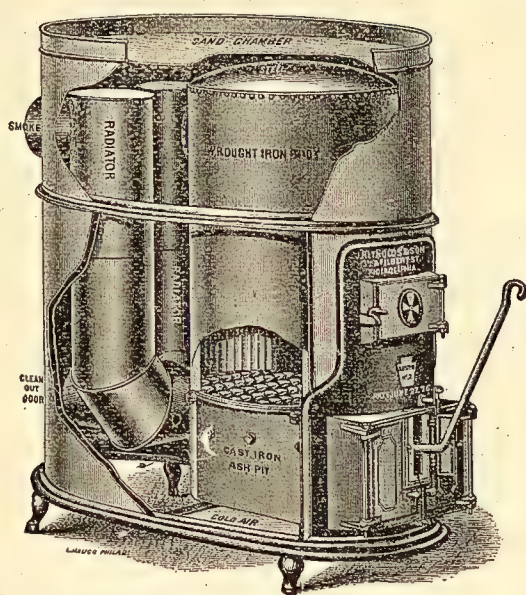
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Range's Birthday Week

April 26 to May 1. For 51 years the Gas Range has given faithful and economical cooking, broiling and baking service to American housewives. We are offering

Special Cabinet Ranges

About the same price as a double oven Range.

\$21.75 { \$2.25 down
\$2.00 a month

Send for a Representative

The United Gas Improvement Company

R. J. CARRICK,

Contracting
Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Lehigh & Wilkes-Barre Coal Co., Wilkes-Barre, Pa. Brick and concrete, 1 and 2 stories, consists of machine shop, blacksmith shop, boiler and structural shop, car shop, wheelwright shop, carpenter shop, oil house, sheds, etc., asbestos roofs, electric lighting, steam heat-

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

ing, steel sash, oil tanks and pumps, electric cranes and electric equipment. Plans in progress. Bids in one month.

Church and Parish House, Wilkes-Barre, Pa., \$50,000. Architects, Fulton & Butler, Uniontown, Pa. Owners, St. John's Lutheran Church, Wilkes-Barre, Pa. Steel, brick and stone, 1 and 4 stories, 162x78 feet, slate and tile roof, steam heating, electric lighting, tile and marble work, metal lath. Revised plans in progress.

Masonic Temple, Wilkes-Barre, Pa., \$75,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Masonic Temple, H. N. Rust, chairman Building Commission, Masonic Temple, Wilkes-Barre, Pa. Brick, terra cotta and steel, fireproof, 5 stories, 54x120 feet, slag roof, concrete fireproofing, dampproofing and waterproofing, marble and tile work, kalamein doors, composition floors, safety treads, vacuum cleaning, electric elevator, ornamental iron work (direct and indirect steam heating, electric work and plumbing separate bids). Revised plans in progress.

High School (add.), Hanover Township, Pa. Architect, Owner McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Board of Education, Hanover Township, Pa. Brick, 2 stories, 80x60 feet, slag roof, steam heating, electric lighting, metal ceiling. Architect ready for bids.

Church, Swoyersville, Pa., \$10,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre. Owners, St. Nicholas Greek Catholic Church, Rev. Ad. care of Rev. Andrew Saxson, Swoyersville, Pa. Brick, 1 story, 36x86 feet, slate roof, steam heating, electric lighting. Plans in progress.

Apartment House, Hazleton, Pa., \$6,500. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner's name withheld. Brick, 2 stories, 42x46 feet, slag roof, hot water heating, combination lighting. Plans in progress.

Synagogue, Hazleton, Pa., \$25,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Beth Israel Congregation, Hazleton, Pa. Tapestry brick and terra cotta and marble, 1 story and balcony, 32x76 feet, asbestos roof, steam heating, electric lighting. Plans in progress.

Y. M. C. A., Abington, Pa., \$50,000. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owners, Y. M. C. A., Abington, Pa. Brick and terra cotta, 2 stories, 64x40 feet and 20x60 feet, asbestos and slate roof, waterproofing, enameled bricks. Architect has received revised bids.

Residence, Wyneefield, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Francis M. McAdams, 1416 South Penn Square, Philadelphia. Stone, 2½ stories, 55x70 feet, slate roof, hot water heating, electric lighting, oak floors. Plans in progress. Architect will take bids in about one week.

Residence and Garage, Merion, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Fred W. Fleck, 44 North Fifth street, Philadelphia. Stone, 2½

stories, 44x64 feet, slate roof, hot water heating, electric lighting, oak floors. Plans about completed. Architect will soon take bids.

Bungalows (3), Doylestown, Pa. Architects (associated), Frank Seeburger and Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owners, H. A. Prock & Alfred A. J. Clark, Glenside, Pa. Frame, 1½ stories, shingle roofs, hot water heating, electric lighting. Plans in progress. Architects will take bids in about 10 days.

Barn (add.), Downingtown, Pa. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Howard W. Lewis, Downingtown, Pa. Stone, 1 story, 45x55 feet, shingle roof. Plans in progress.

Manufacturing Building, Hazleton, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Hazleton Bleach Works, Hazleton, Pa. Brick, 2 stories, 50x120 feet, slag roof, electric lighting, mechanical equipment. Plans in progress.

Residence, Cynwyd, Pa. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 27x57 feet, slate roof, electric lighting, hot water heating. Plans in progress.

Residence, Cynwd, Pa. Architect, private plans. Owner, S. A. Sloan, 331 Roxborough avenue, Philadelphia. Stone, 2½ stories, 27x61 feet, shingle and canvas roof, oak floors, electric lighting (heating reserved). Owner has received bids.

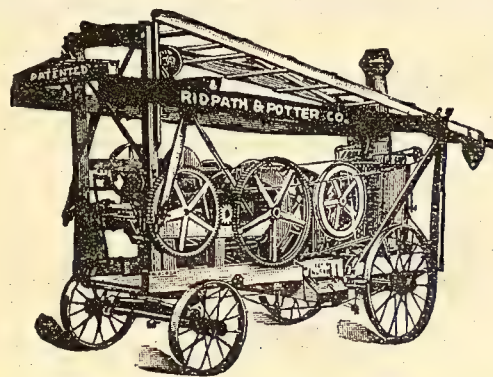
Residence, Merion, Pa. Architects (associated), Frank Seeburger and Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, E. J. Hedden, Finance Building, Philadelphia. Stone and timber 2½ stories, 35x92 feet, slate roof, hot water heating, electric lighting, oak floors. Plans in progress. Owner will take sub-bids.

Office Building, Scranton, Pa., \$400,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owners, Scranton Life Insurance Co., Connell Building, Scranton, Pa. Granite, brick, terra cotta and steel, fireproof, 8 stories, 45x143 feet and 45x88 feet, slag roof, metal lath, waterproofing and dampproofing, tile and marble work, ornamental iron (separate bids will be taken on heating, plumbing and electric work). Plans about completed. Architect will take bids about May 1st.

Apartment House, Scranton, Pa., \$6,000. Architect, Albert Hartman, People's Bank Building, Scranton, Pa. Owner, Joseph Roberts, Scranton, Pa. Frame, 2½ stories, 34x52 feet, shingle roof, steam heating, electric lighting. Plans in progress.

Residence, Hyde Park, Pa., \$5,500. Architect, Albert Hartman, People's Bank Building, Scranton, Pa. Owner, Robert Davis, 114 South Main avenue, Scranton, Pa. Frame and stucco, 2½ stories, 34x38 feet, shingle roof, steam heating, electric lighting, composition flooring. Plans in progress.

School, Banks Township, Pa., \$10,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Banks Township School Board, James Martin, chairman,



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

Audenried, Pa. Frame, 1½ stories, 68x72 feet, shingle roof, steam heating, electric lighting, slate blackboards. Owners are ready for bids.

Picture Theatre, Wilkes-Barre, Pa., \$10,000. Architect, Otto A. Kleeman, 28 South Main street, Wilkes-Barre, Pa. Owner, B. Gottlieb, Wilkes-Barre, Pa. Brick and stucco, 1 story, 20x169 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing and damp-proofing. Plans in progress.

School, Luzerne Borough, Pa., \$50,000. Architects, Pettebo & Lewis, Second National Bank Building, Wilkes-Barre. Owners, Luzerne Borough School District. Brick, 2 stories (heating and electric work and plumbing separate bids). Owners are taking bids.

Church (add.), Dunmore, Pa., \$10,000. Architect, Albert Hartman, People's Bank Building, Scranton, Pa. Owner, Dunmore Presbyterian Church, Dunmore, Pa. Stucco, 2 stories, 34x70 feet, slag roof, steam heating, electric lighting, composition flooring, rolling partitions. Plans in progress.

Bank, Pottstown, Pa. Architects, Mowbray & Uffinger, 516 Liberty street, New York City. Owners, National Bank of Pottstown, Pa. Stone and brick, fireproof, 1 story, 33x150 feet, slag roof, electric lighting, steam heating, iron stairs, metal lath, waterproofing, metal frames and sash. Architects taking bids, due April 27th. F. L. Hoover & Sons, 1023 Cherry street, and Metzger & Fisher, Denekla Building, Philadelphia, are figuring.

Passenger Station and Freight Stations (9), various locations, near Scranton, Pa. Architect, Frank J. Nies, Hoboken, N. J. Owners, D. L. & W. R. R. Co., care of G. J. Gray, chief engineer, Hoboken, N. J. Brick and concrete, 1 story, tile roof, steam heating, electric lighting, safety treads, waterproofing. Owners have received bids.

Boys' Club, Harrisburg, Pa. Architects, Zantzinger, Borie & Medary, northeast corner Fifteenth and Walnut streets, Philadelphia. Owners, John Y. Boyd Memorial Boys' Club, care of Thomas Wierman, Harrisburg, Pa. Brick, 3 stories, 100x50 feet, slate roof (heating and electric work reserved). Architects have received revised bids.

Chapel, Southampton, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Davisville Baptist Church, Southampton, Pa. Hollow tile and plaster, 1 story, 32x60 feet, shingle roof, hot air heating, electric lighting. Revised plans in progress.

High School, McKeesport, Pa. Architects, Vrydaugh & Wolfe, 347 Fifth avenue, Pittsburgh, Pa. Owners, Board of Education, McKeesport, Pa. Brick, stone, fireproof, 3 stories, 160x200 feet, slate and slag roof (heating and lighting reserved), metal lath. Owners have received bids.

Church, Dickson City, Pa., \$40,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, St. Thomas' R. C. Church, Rev. H. J. Gerrity, Dickson City, Pa. Brick and terra cotta, 2 stories, 54x100 feet, slate or tile roof, steam heating, electric lighting, ornamental iron work, marble work. Plans in progress.

Sewage Disposal Plant, Cheney, Pa. Architects and engineers, Franklin & Co., Crozer Building, Philadelphia. Owners, Teachers' Training School, Cheney, Pa. Consists of terra cotta pipe, stone work, brick work and concrete work. Architects taking bids, due April 21st. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Latta & Terry, Drexel Building; Guy Myers, 6918 Woodland avenue, Philadelphia; James Skelley, Lima, Pa.

Garage, Haverford, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Miss A. Hartshorne, Haverford, Pa. Hollow tile and plaster, 2½ stories, 22x30 feet, shingle roof, electric lighting, hot water heating. Plans in progress.

High School, Towanda, Pa. Architects, Pierce & Bickford, Elmira, N. Y. Owners, Board of Education, Towanda, Pa. Brick and concrete, 3 stories, 98x150 feet, slag roof (heating and lighting reserved), metal lath. Owners taking bids, due May 1st. H. H. Wehmeyer, 1004 West Lehigh avenue, Philadelphia, is figuring.

Residence, Ardmore, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owner's name withheld. Frame and plaster, 2½ stories, 30x40 feet, shingle roof, hot water heating, electric lighting, oak floors. Plans in progress. Bids in a few days.

Church, Reading, Pa., \$18,000. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owners, Christ Evangelical Church, Rev. J. L. Tonkin, 1039 Robeson street, Reading, Pa. Stone, 1 story, 50x60 feet, slate roof, steam heating, electric lighting. Architect taking sub-bids.

School, Shoemakersville, Pa., \$18,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Board of Education of Perry Township, Shoemakersville, Pa. Brick, 2 stories, 73x69 feet, slate roof, hot air heating, electric lighting, slate blackboards. Plans about completed. Owners will take bids in a few days.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work
Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

"Windustite" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

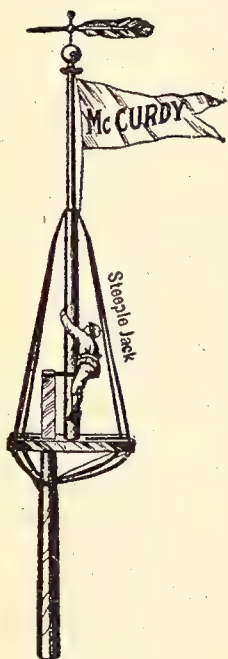
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,

All Sizes

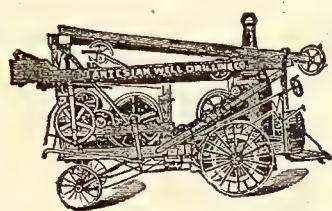
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

Factory, Reading, Pa. Architect, George L. Gerhard, 619 Penn street, Reading, Pa. Owners, Yocum Bros., Seventh and Walnut streets, Reading, Pa. Brick, 5 stories, 50x155 feet, slag roof, steam heating, electric lighting, dampproofing. Plans in progress.

Picture Theatre, Reading, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner's name withheld. Brick and terra cotta, 1 story, slag roof, steam heating, electric lighting, tile work. Plans in progress.

Store Building, Reading, Pa., \$45,000. Architect, H. J. Maurer, 33 North Sixth street, Reading, Pa. Owner, J. L. Huye, Lancaster, Pa. Brick and terra cotta, 4½ stories, 30x270 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Architect has received bids.

Store and Apartments (6), Norwood, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, J. J. Dougherty, Norwood, Pa. Brick, frame and plaster, 2½ stories, 20x50 feet, shingle and slag roof, electric lighting, steam heating. Architects taking bids, due April 21st. The following are figuring: M. Roy Sheen, 450 North Wilton street; Harry Smink, 5320 North Twelfth street; D. J. McNamee, 1621 North Fifteenth street; McVicar Bros., Norwood, Pa.

Cottage, Southampton, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, P. E. Leedom, Southampton, Pa. Frame, 2½ stories, 24x28 feet, shingle roof, electric lighting, hot water heating. Plans completed. Architect ready for bids in a few days.

Store House, West Reading, Pa., \$12,000. Architects, Stetler & Mengel, Wyomissing, Pa. Owners, West Reading Motor and Hardware Co., West Reading, Pa. Brick and terra cotta, 3 stories, 40x80 feet, slag roof, steam heating, electric lighting. Architects taking bids. The following are figuring: Charles H. Schlegel, Mt. Penn, Pa.; George Koch, Reading, Pa.; James Ubil, Reading, Pa.; George Derr, Reading, Pa.; Haupt & Rentz, Wyomissing, Pa.

Residences (2), Hamburg, Pa., \$9,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, Adam Bodenhorn, Ninth and Penn streets, Reading, Pa. Brick, 2½ stories, 32x65 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Offices and Apartments (alts.), Kutztown, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, Charles Harman,

Kutztown, Pa. Consists of general alterations. Plans in progress.

Bank Building, Elverson, Pa., \$4,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Elverson National Bank, care of Henry Zook, Elverson, Pa. Granite and terra cotta, 1 story, 28x30 feet, tile roof, steam heating, electric lighting, tile work, banking fixtures. Plans in progress.

Residence, Wyomissing, Pa. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owner, C. O. Mills, Reading, Pa. Stone and brick, 2 stories, 74x54 feet, shingle roof, steam heating, electric lighting, hardwood floors, tile work, dampproofing. Plans completed. Architect will take bids in about ten days.

Residence, Lebanon, Pa., \$4,500. Architect, J. Earl Hickman, 119 South Fifth street, Reading, Pa. Owner, Mrs. W. B. Siegrist, Annville, Pa. Brick, 2½ stories, 24x47 feet, asbestos shingle and tin roof, hot air heating, electric lighting. Plans in progress.

Residences (7), Reading, Pa., \$20,000. Architect, private plans. Owner, Samuel N. Potteiger, 38 North Sixth street, Reading, Pa. Stone and brick, 3 stories, 14x27 feet each, tin roofs, hot water heating or hot air heating, electric lighting. Owner is sub-letting all contracts.

Residences (5), Reading, Pa., \$15,000. Architect, private plans. Owner, William E. Fisher, 541 Court street, Reading, Pa. Brick, 3 stories, 14x26 feet each, tin roofs, hot water heating or hot air heating, electric lighting. Owner is sub-letting all contracts.

Chapel, Heckscherville, Pa., \$5,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, R. C. Church of Holy Sacrament, Heckscherville, Pa. Frame, 1½ stories, 35x66 feet, composition roof, electric lighting. Plans in progress.

Residence, Elkins Park, Pa. Architects, Druckenmille & Williams, Land Title Building, Philadelphia. Owner, J. M. Herr, Hale Building, Philadelphia. Hollow tile and plaster, 2½ stories, 28x50 feet, shingle or tile roof, electric lighting, hot water or vapor vacuum heating. Plans in progress. Bids in about ten days.

Hall Building, Wyndmoor, Pa. Architect, private plans. Owners, Wyndmoor Council, No. 770, O. of I. A., Hugh Eberle, Secretary, Wyndmoor, Pa. Stone and brick, 2 stories, 26x55 feet, slag roof, hot air heating, electric lighting. Owners taking bids, due April 26th. Specht & Sperry, Heed Building, Philadelphia, are figuring.

Factory Buildings, Marcus Hook, Pa., \$125,000. Architect, private plans. Owners, Unit-

THE FAIRBANKS CO.

PHILADELPHIA

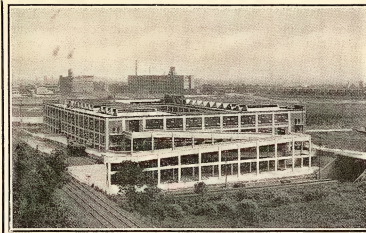
VALVES AND SCALES

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building

Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

ed Roofing and Manufacturing Co., care of Mr. Walters, Morris Building, Philadelphia. Consists of a group of buildings, brick and steel, 1 and 2 stories, details undecided. Plans about to be started.

Residence, Media, Pa., \$25,000. Architect,

Walter Smedley, Stephen Girard Building, Philadelphia. Owner, William Miller, Media, Pa. Stone, 3 stories, slate roof, steam heating, electric lighting, hardwood floors. Plans in progress. Contract will probably be awarded without competition.

PENNSYLVANIA Contracts Awarded

Store and Apartments, Olyphant, Pa. Architect, E. H. Davis, Connell Building, Scranton, Pa. Owner, Michael Bosak, Olyphant, Pa. Brick, 2 stories, 25x93 feet, slag roof, steam heating, electric lighting. Contract awarded to Palumbo & Kroft, Real Estate Exchange Building, Scranton, Pa.

Printing Plant (add.), Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Ruthenian National Union, Scranton Real Estate Building, Scranton, Pa. Brick and concrete, 2 stories, 29x39 feet, slag roof, steam heating, electric lighting, steel sash, metal lath, dampproofing. Contract awarded to Boland Bros., 427 Spruce street, Scranton, Pa.

Laboratory, Primos, Pa. Architects, Penckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Primos Chemical Co., Primos, Pa. Brick and concrete, 2 stories, 42x122 feet, slag roof, electric lighting, steam heating. Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

Store and Lodge Building, Wilkes-Barre, Pa., \$15,000. Architect, Henry Maier, Coal Exchange Building, Wilkes-Barre. Owner, S. Hirsh, Wilkes-Barre, Pa. Brick, hollow tile and steel, stone trimmings, 3 stories, 31x145 feet, slag roof, steam heating, electric and gas lighting, rubber tile, fire escapes. Contract awarded to M. L. Roth, 125 South Welles street, Wilkes-Barre, Pa.

Bridge, No. 3, Reading, Pa. Architect, William H. Hunter, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 70x70 feet, waterproofing. Contract for masonry and concrete work awarded to Seeds & Derham, 6314 Wissahickon avenue, Philadelphia. Structural steel work to McClintic-Marshall Co., Pottstown, Pa. Waterproofing, James Kelly, Bulletin Building, Philadelphia.

Residence, Haverford, Pa., \$5,000. Architects, E. F. Bertollett & Raymond Matthews, 1614 Filbert street, Philadelphia. Owner, S. J. Gummere, Haverford, Pa. Hollow tile and stone, 2½ stories, 25x38 feet, shingle roof, warm air heating, electric lighting, damp-proofing. Contract awarded to Doyle Bros., Bryn Mawr, Pa.

Hospital (add.), Lebanon, Pa. Architects,

Bissell, Sinkler & Tilden, Bailey Building, Philadelphia. Owners, Good Samaritan Hospital, Lebanon, Pa. Brick, 2 stories, 56x142 feet, slag roof, steam heating, electric lighting, fireproofing. Contract awarded to Schenk Bros., Lebanon, Pa.

Chapel, Valley Forge, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owners, Washington Memorial Chapel, Valley Forge, Pa. Stone, 1 story, 30x30 feet, slate roof, hot water heating. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

Residence (alt. and add.), Merion, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Herbert G. Stockwell, Land Title Building, Philadelphia. Consists of new porches and interior alterations. Contract awarded to Gray Bros., Rosemont, Pa.

Fire Tower and Toilet Room, Ardmore, Pa. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, St. Colman's R. C. Church, Ardmore, Pa. Stone, 1 and 3 stories, slate and slag roof, electric lighting. Contract awarded to John McShain, 631 North Seventeenth street, Philadelphia.

Store, Swarthmore, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, C. W. Jones, Swarthmore, Pa. Brick, 1 story, 20x45 feet, asbestos shingle roof, electric lighting (heating reserved), bond. Contract awarded to J. W. Meckert & Co., Glenolden, Pa.

School, Port Carbon, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, Port Carbon, Pa. Brick and stone, 2 stories, 80x101 feet, composition roof, safety treads, metal lath, slate blackboards. Contract awarded to William H. Wiand, Pottstown, Pa.

Apartment House, Reading, Pa., \$15,000. Architect, William A. Pink, 426 Franklin street, Reading, Pa. Owner, Harry Zable, Reading, Pa. Brick, stone trimmings, 4 stories, 26x135 feet, tin roof, hot water heating, electric lighting, composition flooring. Contract awarded to Howard J. Fick, 615 North Eleventh street, Reading, Pa.

Residence, Muhlenberg Township, Pa., \$8,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Kathryn

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street

PHILADELPHIA - PA.

Fasigkramer, Fourth and Greenwich streets, Reading. Hollow tile and stucco, 2 stories, 40x55 feet, asbestos shingle roof, hot water heating, electric lighting. Contract awarded to H. J. Raudenbush, Reading, Pa.

Garage, Reading, Pa. Architect, private plans. Owner, S. H. Wayne, Reading, Pa. Brick, 3 stories, 30x30 feet, Carey's roof, steam heating, electric lighting. Contract awarded to George K. Derr, 729 North Fourth street, Reading, Pa.

School, West Reading, Pa., \$50,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, School Board of West Reading, Pa. Brick, 3 stories, 168x43 feet and 44x70 feet, composition roof, slate blackboards. Contract awarded to Haupt & Rentz, Wyomissing, Pa.

School, Gynedd Township, Pa., \$10,000. Architects, Conner & Slifer, Lansdale, Pa. Owners, Gynedd Township School Board, Dr. Pearce Lakin, Secretary, Lansdale, Pa. Brick, stone and terra cotta, 1½ stories, 45x100 feet, slate and slag roof, waterproofing and dampproofing. Contract awarded to Ralph Schafenecker, North Wales, Pa.

Bungalow, Stony Creek, Pa., \$3,000. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owner, R. E. Crouse, Reading, Pa. Frame and stucco, 1 story, 26x34 feet, shingle roof, hot air heating, electric lighting, tile work, metal lath. Contract awarded to Calvin Wentzel, Stony Creek Mills, Pa.

Residence (alt. and add.), Wynote, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, T. E. Watt, Wynote, Pa. Stone and plaster, 2½ stories, slate roof, hot water heating. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

"The knowledge of to-day may be the ignorance of to-morrow. Then where are you unless you keep posted from day to day?"

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

Many a man has a "Do It Now" motto over his desk and cobwebs on his brain and dust on the desk.

NEW JERSEY

Construction News

Residences (2), Ventnor, N. J., \$7,000. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owners, Colonial Investment Co., Guarantee Trust Building, Atlantic City, N. J. Brick and stucco, 2 stories, 25x32 feet each, slate roof, hot water heating, gas and electric lighting, tile work. Architects taking bids, due April 22nd. Geo. Phifer, 49 South Bellevue avenue, Atlantic City, N. J., and William Lear, Seaview, N. J., are figuring.

Post Office and Apartments, Pleasantville, N. J., \$20,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, George Leach, Pleasantville, N. J. Brick, 3 stories, 50x110 feet, slag roof, hot water heating, gas and electric lighting, tile work, metal lath. Architect taking bids, due April 21st. The following are figuring: A. W. Dick, Chas. S. Corson, Wilbert Beaumont, C. D. Thompson, all of Atlantic City, N. J.; Clayton E. Shappell, Ventnor, N. J., and James Yates and Charles Adams, Pleasantville, N. J.

Residence, Ventnor, N. J., \$5,000. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City, N. J. Owners, Pacific Realty Co., Guarantee Trust Building, Atlantic City. Brick and stucco, 2 stories, 30x40 feet, slate roof, hot water heating, gas and electric lighting, tile work. Plans in progress.

Store and Residence, Ventnor, N. J., \$7,500. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owners, Pacific Realty Co., Guarantee Trust Building, Atlantic City. Brick and stucco, 2 stories, 30x50 feet, slate roof, hot water heating, gas and electric lighting, tile work. Plans in progress.

Residence, Ventnor, N. J., \$5,000. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owners, Pacific Realty Co., Guarantee Trust Building, Atlantic City. Brick and stucco, 2 stories, 45x46 feet 2 wings, 15x22 feet each, slate roof, hot water heating, gas and electric lighting, tile work. Architects taking bids, due April 24th. The following are figuring: George Phifer, 49 South Bellevue avenue, Atlantic City, and William Lear, Seaview, N. J.

Residence, Egg Harbor, N. J., \$5,000. Architect, W. S. Hewitt, Bartlett Building, Atlantic City, N. J. Owner, T. F. Baulig, Egg Harbor, N. J. Frame and cement, 2 stories, 39x27 feet, slate roof, hot water heating, gas and electric lighting, tile work. Owner is taking bids.

Film Factory and Studio, Absecon, N. J., \$25,000. Architect, J. V. Mathis, Bartlett Building, Atlantic City, N. J. Owners, Acme Film Producing Co., care of Reuben L. Babcock, Bartlett Building, Atlantic City, N. J. Hollow tile, concrete and steel, 1 and 2 stories, 75x150 feet and 50x75 feet, slag and glass roof, hot water heating, electric lighting, cement floors. Architect has received bids.

Residence, Pitman Grove, N. J. Architect, private plans. Owner's name withheld. Hollow tile and plaster, 2½ stories, 43x30 feet, slate and shingle roof, electric lighting, damp-proofing, metal lath, oak floors, hot water heating. Builder, Thomas Little & Sons, 1713 Moravian street, Philadelphia, are taking sub-bids.

Church (alt. and add.), Gloucester, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Church of the Ascension, Gloucester, N. J. Brownstone, 1 story, shingle and slag roof, steam heating. Architect has received bids.

Residence, Riverton, N. J. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner's name withheld. Hol-

low tile and plaster, 2½ stories, 30x30 feet, wing 15x20 feet, shingle roof, oak floors (heating, plumbing and electric work reserved by architect). Architect taking bids, due April 23rd. The following are figuring: George W. Shaner, Palmyra, N. J.; Stewart L. Maines, Moorestown, N. J.; Andrew Girvan, Hightstown, N. J.; Louis F. Lowden, Riverton, N. J.

Residence and Garage, Woodbury, N. J. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 26x35 feet, wing 17x20 feet; garage 1 story, hollow tile and plaster, 20x25 feet, shingle roof, electric lighting, hot water heating, oak floors. Architects have received bids.

High School, Trenton, N. J. Architect, William A. Poland, 9 South Stockton street, Trenton, N. J. Owners, Board of Education, 9 South Stockton street, Trenton, N. J. Brick and stone, fireproof, 1 and 4 stories, 211x275 feet, wing 101x204 feet, composition and in-laid slate roof, iron stairs and safety treads, glazed brick, metal lath (heating, lighting and plumbing and mechanical equipment separate bids). Owners taking bids, due April 29th. Cramp & Co., Denckla Building; Ketcham & McQuade, 1029 Brown street; F. W. Van Loon, Denckla Building, are figuring.

Residence, Vineland, N. J. Architects, Keefer & Seyfert, 1802 Chestnut street, Philadelphia. Owner's name withheld. Frame, 2½ stories, 27x55 feet, shingle roof, electric lighting, hot water heating, oak floors. Plans in progress.

Factory Buildings (2), Agasote, N. J. Architect and engineer, J. G. Brown, Witherspoon Building, Philadelphia. Owners, Agasote Millboard Co., Trenton, N. J. Brick, steel and concrete, 1 story, 336x100 feet and 92x100 feet, slag roof (heating and lighting reserved). Builder, J. G. Brown, Witherspoon Building, is taking sub-bids.

Hotel (add.), Atlantic City, N. J. Architect, Lloyd Titus, Cape May, N. J. Owners, Strand Hotel Co., Atlantic City, N. J. Brick, steel and terra cotta, fireproof, 7 stories, 38x101 feet, slate roof, electric lighting, steam heating, oak floors, metal lath, safety treads, waterproofing. Builders, Irwin & Leighton, 126 North Twelfth street, Philadelphia, are taking sub-bids.

School, Springside, N. J., \$20,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education of Burlington Township. Brick, 2 stories, 60x75 feet, slag roof, metal lath (heating, plumbing and electric lighting, separate bids). Owners taking bids, due April 28th. The following are figuring: W. Beaumont, Stephen Girard Building, Philadelphia; Roydhouse-Arey Co., Fidelity Building, Philadelphia; Frank Turner, 828 Broadway, Camden, N. J.; R. M. Gould, Columbus, N. J.; Hugh B. Miller, Edgewater Park, N. J.; Peterson Construction Co., Clayton, N. J.; B. H. Dubell, Burlington, N. J.; W. R. Titus, Woodbury, N. J.; Harry H. Williams, Burlington, N. J.; H. J. Wenzelberger, Phillipsburg, N. J.

Residence (alt. and add.), Euclid avenue, Camden, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, City of Camden, City Hall, Camden, N. J. Brick, 3 stories, 58x76 feet, slate roof, steam heating, electric lighting, shower baths. Plans in progress.

Club House, Camden, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, St. Anthony's Catholic Club, 834 Broadway, Camden, N. J. Brownstone, 3 stories, 26x70 feet, slate and slag

roof, steam heating, electric lighting, metal lockers, metal ceilings, tile work. Architect taking bids, due April 26th. The following are figuring: Frank Turner, 828 Broadway; James W. Draper, 1445 Mt. Ephraim avenue; Barclow & Fulton, 506 Cherry street; John J. Welsh, 525 Clinton street; William Wriford, 525 Market street; George Bachman, 19 North Thirtieth street; H. G. Hinchman, 223 Arch street, all of Camden, N. J.

Residence, Bridgeton, N. J., \$6,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owner's name withheld. Hollow tile and stucco, 2½ stories, 40x25 feet, shingle roof, hot water heating, electric lighting, tile work. Architects taking bids, due April 28th. The following are figuring: H. H. Hankins & Bro., George Maier & Bro. and Grosseup & Sons, all of Bridgeton, N. J.

Bungalow, Bridgeton, N. J., \$3,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owner, B. B. Ware, Bridgeton, N. J. Frame, 1½ stories, 40x28 feet, shingle roof, hot air heating, electric lighting. Owner is sub-letting all contracts.

Residences (3), Camden, N. J. Architect, private plans. Owners, Cranmer Realty Co., Thirty-fourth and Federal streets, Camden, N. J. Frame, 2 stories, 24x38 feet, shingle roof, hot air heating, gas lighting. Owner taking sub-bids.

Residences (5), Kaighn avenue, Camden, N. J. Architect, private plans. Owners, Harry W. Bealer Co., Woodlynne, N. J. Brick, 2 stories, 16x54 feet, slag roofs, hot air heating, gas and electric lighting. Owners taking sub-bids.

Residence, Trenton, N. J., \$6,000. Architect, private plans. Owner, John Carrigan, Trenton, N. J. Brick, 3 stories, 25x32 feet, slag roof, hot water heating, electric lighting. Owner taking sub-bids.

Residence, Trenton, N. J., \$3,500. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Miss Anna M. Fell, 486 West State street, Trenton, N. J. Brick, 2 stories, 24x36 feet, slate roof, hot water heating, electric lighting. Plans about completed. Architect will take bids in a few days.

Residence, Trenton, N. J., \$4,000. Architect, private plans. Owner, Charles E. Hayes, 108 Lee street, Trenton, N. J. Brick and frame, 2½ stories, 16x49 feet, slate roof, hot water heating, electric lighting. Owner taking sub-bids.

Residence, Trenton, N. J., \$3,000. Architect, private plans. Owners, William and Mary Mills, 453 Chestnut avenue, Trenton, N. J. Frame, 2½ stories, 28x30 feet, slate roof, hot water heating, gas lighting. Owners are sub-letting all contracts.

Factory, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owners, John E. Thropp Sons Co., Trenton, N. J. Brick and steel, 2 stories, 176x63 feet, asbestos roof, electric lighting, concrete floors, steel sash. Plans in progress.

Store and Apartments, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, David K. Applestein, Trenton, N. J. Brick, 2 stories, 50x90 feet, slag roof, electric lighting (hot water heating reserved). Owner is taking bids.

Theatre (alts.), State street, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, O. D. Wilkinson, 103 East State street, Trenton, N. J. Consists of new front and interior alterations, electric lighting, tile work, iron stairs, iron marquee. Plans in progress. Owner will take sub-bids.

Residence, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, Isaac Lavine, Union street, Trenton, N. J. Brick, 2½ stories, 33x83 feet, slate and tin roof, hot water heating, gas and electric lighting, tile work, metal lath, hardwood floors. Plans in progress.

Employees' Cottage, Glen Gardner, N. J.

Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State of New Jersey Tuberculosis Hospital, Dr. English, Glen Gardner, N. J. Frame and stucco, 2½ stories, tile roof, steam heating, electric lighting, metal lath, dampproofing. Owners taking bids, due May 6th. The following are figuring: Metzger & Fisher, Denckla Building, Philadelphia; Berry-Goodwin Co., 136 South Fourth street, Philadelphia; DeKempie Const. Co., 68 Hudson street, Hoboken, N. J.; John Everet, Hackettstown, N. J.; W. A. Stein & Bro., Allentown, Pa.; Butz & Clader, Allentown, Pa.; McMiller Contracting Co., 738 Broad street, Newark, N. J.; Jersey City Const. Co., 75 Montgomery street, Jersey City, N. J.; J. D. Harnly, Glen Gardner, N. J.; Lincoln Steel & Fleming Co., 17 Madison avenue, New York City.

Residences (2), Trenton, N. J. Architect, private plans. Owner, Henry Taub, Trenton, N. J. Brick, 3 stories, 13x30 feet each, slag and tin roofs, hot air heating, gas lighting. Owner taking sub-bids.

High School, Trenton, N. J. Architect, Wil'am A. Poland, 9 South Stockton street, Trenton, N. J. Owners, Board of Education, 9

South Stockton street, Trenton, N. J. Brick and stone, fireproof, 1 and 4 stories, 211x275 feet; wing, 101x204 feet, composition and in-laid slate roof, iron stairs and safety treads, glazed brick, metal lath (heating, lighting and plumbing and mechanical equipment separate bids). Owners taking bids, due April 29th. The following are figuring: Cramp & Co., Denckla Building; F. W. Van Loon, Denckla Building; Ketcham & McQuade, 1029 Brown street; H. E. Baton, Twelfth and Sansom streets, Philadelphia; Scott & Day, Interstate Phone Building; S. W. Mather & Sons, 30 South Clinton avenue; C. R. Randall, 43 North Hermitage avenue; J. H. Morris, Broad Street National Bank Building; I. H. Clayton, American Mechanics' Building; Burton & Burton, American Mechanics' Building; Fred Parker, 327 Calhoun street; C. W. Kafer, 253 East Front street; Daniel A. Duggan, Greenwood avenue; Andrew Trior, David Teitz & Son, all of Trenton, N. J.; DeKempie Construction Co., 68-70 Hudson street, Hoboken, N. J.; Connors Bros. Co., 64 West Eighty-eighth street; John Lowry, 235 Fifth avenue, and Harby, Abrons & Melius, 30 East Forty-second street, all of New York City.

lighting. Owner taking bids. The following are figuring: C. W. Littleton & Son, 4313 Liberty Heights avenue; Ray Chambers, Thirty-sixth and Roland avenues; E. G. Turner, 15 East Fayette street, all of Baltimore, Md.

Residences (80), Merryman's lane, Baltimore, Md., \$400,000. Architect, private plans. Owners, F. C. Miller Building Co., Baltimore, Md. Brick, 2½ stories, slate roofs, steam heating, electric lighting. Plans in progress.

Residences (8), Thirty-first and Falls road, Baltimore, Architects, Callis & Callis, Knickerbocker Building, Baltimore. Owners, Alliance Realty Co., Baltimore. Brick, 2 stories, 14x45 feet each, tin roofs, electric lighting, furnace heating. Plans in progress.

Residence, No. 273 Roland Park, Md. Architect, E. L. Palmer, Roland Park, Md. Owner's name withheld. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due April 22nd. The following are figuring: E. G. Turner, 15 East FFayette st., Baltimore; Gladfelter & Chambers, 729 Roland avenue; G. W. Tovell, Eutaw and McCulloch streets, Roland Park County, Roland Park, all of Baltimore.

Residences (10), Eighth street, near Belmont avenue, Baltimore. Architect, private plans. Owner, M. Fillmore Carter, Seventeenth and Edmondson avenue, Baltimore. Brick, 2 stories, 14x45 feet each, tin roofs, hot air heating, electric lighting. Owner is sub-letting all contracts.

Picture Theatre, 617-619 West North avenue, Baltimore. Architect, private plans. Owners, Mt. Royal Amusement Co., Baltimore. Brick, 2 stories, slag roof, steam heating, electric lighting. Owners taking bids. The following are figuring: Blake & Engle, Law Building; John Hiltz & Son, 3 Clay street; Singer-Pentz Co., Equitable Building; Consolidated Engineering Co., Calvert Building; Thomas B. Stanfield & Co., 213 Clay street; Cowan Building Co., 106 Madison street; H. H. Maclellan, 15 East Fayette street, all of Baltimore, Md.

Can Factory, Baltimore, Md. Engineers, The Canton Co., Second and Toone streets, Baltimore. Owners, W. W. Boyer & Co., 2327 Boston street, Baltimore. Brick and concrete factory, 4 stories, 90x140 feet, office building 1 story, 33x150 feet, pump-house 2 stories, 26x58 feet, slag roof, metal frames and sash, electric lighting. Engineers taking bids, due April 24th. The following are figuring: Chas. L. Stockhausen Co., Marine Bank Building; West Construction Co., Knickerbocker Building; Consolidated Engineering Co., Calvert Building; J. J. Walsh & Son, 1533 Maryland avenue; Morrow Bros., Calvert Building; D. M. Andrews Co., Mt. Vernon avenue, all of Baltimore, and Irwin & Leighton, Keyser Building Baltimore, and 126 North Twelfth street, Philadelphia.

NEW JERSEY Contracts Awarded

School, Scullville, N. J., \$15,000. Architect, Bertram Ireland, Bartlett Building, Atlantic City. Owners, Board of Education of Egg Harbor Township. Brick, limestone trimmings, 2½ stories, 32x70 feet, slate roof, hot air heating and steam heating, slate blackboards. Contract awarded to Alex. W. Dick, 45 South Annapolis avenue, Atlantic City, N. J.

Residences (2), Ventnor, N. J., \$7,000. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owners, Colonial Investment Co., Guarantee Trust Building, Atlantic City, N. J. Brick and stucco, 2 stories, 28x32 feet, slate roof, hot water heating, gas and electric lighting, tile work. Contract awarded to William Lear, Seaview, N. J.

Post Office, Plainfield, N. J., \$120,000. Architect, Oscar Wenderoth, Washington, D. C. Owners, U. S. Government, Washington, D. C. Stone and brick, fireproof, 1 story, 95x96 feet, slag roof, electric lighting, steam heating, metal lath, dampproofing, waterproofing. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

Bungalow, Sumner, N. J. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, George A. Crump, Merchantville, Pa. Frame, 1½ stories, 20x39 feet, shingle roof,

hot air heating. Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Theatre, Hall and Stores, Beverly, N. J., \$20,000. Architect, H. A. Brown, Burlington, N. J. Owners, Masonic Hall Association, L. P. Wire, Secretary, Beverly, N. J. Brick, 3 stories, 70x50 feet, slag roof, steam heating, electric lighting, metal ceilings. Contract awarded to J. E. Kolster, Beverly, N. J.

Store (4) (alts.), Trenton, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, S. S. Kresge Co., Trenton, N. J. Consists of new fronts and interior alterations, slag roofs, steam heating, tile work. Contract awarded to Burton & Burton, American Mechanics' Building, Trenton, N. J.

Residence, Trenton, N. J., \$4,800. Architect, private plans. Owner, Frederick A. Walker, 54 Division street, Trenton, N. J. Brick and stone, 2½ stories, 28x32 feet, slate and tin roof, electric lighting, hot water heating. Contract awarded to William Musson, 637 Monmouth street, Trenton, N. J.

Residences (3), Trenton, N. J. Architect, private plans. Owner, James M. Hamer, Trenton, N. J. Frame, 2½ stories, 13x31 feet, shingle roof, hot air heating, gas lighting. Contract awarded to Erlitz & Hamer, Trenton, N. J.

MARYLAND Construction News

Maryland Contracts Awarded

Apartment House, Thirty-third and Charles street, Baltimore. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, Burford Apartment Co., Bath, Md. Brick, 4 stories, 63x118 feet, tile and slag roof, electric lighting, hot water heating, tile and marble work, elevator. Contract awarded to Edward Brady & Son, Cathedral and Howard streets.

Residence, Hamilton, Md., \$6,500. Architect, H. Macallum, Hamilton, Md. Owner, W. F. Nassau, Hamilton, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting. Contract awarded to Gustave Runge, Hamilton, Md.

(Continued on page 258.)

Residence, Roland Park, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, W. G. Bowdoin, Jr., Chattolance, Md. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Roland Park, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Mrs. E. G. Foffett, care of architect. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Roland Park, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Mrs.

B. T. Scott, Roland Park, Md. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Roland Park, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, C. B. Dallam, Lake station, Baltimore, Md. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Walbrook, Md., \$7,500. Architect, private plans. Owner, Dr. W. E. Jordan, 3402 Clifton avenue, Walbrook, Md. FFrame, 2½ stories, slate roof, steam heating, electric

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

[Building News Publishing Company, Inc.]

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., APRIL 21, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlenberg
TreasurerWalter Mellor
Directors—Clarence C. Zantzinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

"Does the Success of Country Life Depend Upon the Architect?" is the title of a very readable article in the April number of "The Craftsman."

Emerson's criticism of cities was that they "give not the human senses room enough." And turning to the free spaces and living beauties of nature, he says, "I am taught the poorness of our invention, the ugliness of towns and palaces. Art and luxury have early learned that they must work as enhancement and sequel to this original beauty. I am overinstructed for my return. . . . I am grown expensive and sophisticated. I can no longer live without elegance, but a countryman shall be master of my revels. He who knows the most, he who knows what sweets and virtues are in the ground, the water, the plants, the heavens, and how to come at these enchantments,—is the rich and royal man. Only as far as the masters of the world have called in nature to their aid can they reach the height in magnificence. This is the meaning of their hanging gardens, villas, garden houses, islands, parks and preserves."

John Burroughs has expressed much the same idea in one of his kindly, contemplative books. "I have thought," he says, "that a good test of civilization, perhaps one of the best, is country life. Where country life is safe and enjoyable, where many of the conveniences and appliances of the town are joined to the large freedom and large benefits of the country, a high state of civilization prevails. . . . Truly, man made the city, and after he became sufficiently civilized, not afraid of solitude, and knew on what terms to live with nature, God promoted him to life in the country. . . . The best and most hopeful feature in any people is undoubtedly the instinct that leads them to the country and to take root there."

We in America are beginning to appreciate the truth of this. And having once tasted the comfort and culture of the cities, we too find that we can no longer "live without elegance." We may be philosophers and poets in our love of the country, in our desire for outdoor freedom and our appreciation of the land; but when it comes to the actual test, many of us are loth to face rural existence unless we can take with us most of the conveniences and some of the luxuries for which the city has become synonymous. The crude simplicity in the farm life of our forefathers no longer satisfies us. Our standards of material well-being have changed, our demands have increased. The suburban or country home, if it is to establish a fresh hold on our affections, must combine the charms of a natural environment with the efficiency and comfort of city life.

* * *

Moreover—and this is by no means an afterthought—such a home must also fulfil our aesthetic needs. The preceding generations,

being more concerned with the practical than with the artistic side of existence, may have been able to tolerate the bare, unlovely farm houses, the barn-like cottages and formal, unfriendly mansions that we find scattered here and there over our countryside. But to-day we insist upon something more. If we are to turn the tide of progress outward from the cities, if we are to seek release from our cramped streets and darkened windows and find health and happiness among the fields and woods and in gardens of our own making, then it must be with the assurance that our new home and those of our neighbors not only will be in a beautiful environment, but will be beautiful in themselves from an architectural point of view.

To accomplish, as individuals and as a nation, this wonderful return to country living, we must look to the architect. In his skill and sympathetic vision, even more than in our own eager desires, lies the successful solution of this great modern problem. He must help us to shake ourselves free from the shackles of city environment and traditions, and emerge from the narrow chrysalis of our walled-in lives into a freer and more wholesome existence. Only through his technical knowledge and wise co-operation can we hope to achieve the sort of homes that will make rural life really worth while.

An important role, therefore, will undoubtedly be played by the architect during the next few years, in furthering to success the country-life movement. His mission is indeed a vital one, for when country homes are made both convenient and aesthetically satisfying, when architectural loveliness is found not merely in the rare, isolated dwelling, but in whole groups and colonies of homes, country living will be invested with a new charm. The old discomforts, the bareness and social isolation that for so long have marred our rural life, will give place to an atmosphere of comfort, interest and congeniality. The arts of gardening and farming will begin once more to take their rightful and dignified place among the people—for many of those who have tasted the independence and wholesomeness of country life will gradually cut loose from city ties and develop their own resources through the cultivation of the land. At the same time, those who still prefer or need to rely upon the city as a means of livelihood, will find, in increased efficiency of transportation, a means of doing so without expending too much time, money and energy in traveling to and fro. And meantime the children will be reaping, in health and pleasure, the daily benefit of transplanting from a city to a country environment.

* * *

We, with our city-bound senses, find it difficult to grasp the full meaning of such a movement—its value to individual families and to the nation as a whole. We seem to

have left it largely to the poets—those ever-listening children of Nature whom even the cities cannot stifle or spoil—to feel and express this longing for the outdoor world, this great human hunger for wide spaces and growing things.

"I have need of the sky,
I have business with the grass;
I will up and get me away where the hawk
is wheeling
Lone and high,
And the slow clouds go by.
I will get me away to the waters that glaze
The clouds as they pass.
I will get me away to the woods."
Thus sang Richard Hovey; and again:
"Praise be to you, O hills, that you can
breathe

Into our souls the secret of your power!"
We are apt to forget the value of a simple, natural environment, so accustomed have we grown to estimating our wealth in material factors, and counting our homes fortunate for their richness of furnishing or their accessibility to theaters and shops.

We need a poet like William Vaughn Moody to remind us of—

"... the many-voiced earth,
The chanting of the old rolegen trees,
Rustle of far-off waters, wovlen sounds
Of small and multitudinous lives awake,
Peopling the grasses and the pools with joy,
Uttering their meaning to the mystic night!"

Turning, however, from the poetic to the practical—though the gulf between them is not nearly so wide or deep as we are apt to think, especially in this instance—let us see how our American architects are stimulating this general growing interest in Nature and outdoor living, and helping the home-makers to find architectural as well as natural beauty in suburban and country places.

At this season, we always turn with enthusiasm to the annual exhibition of the New York Architectural League. And this year one of its most significant phases is to be found in the photographs, sketches and plans of country and suburban domestic architecture. The designers, having solved satisfactorily the various problems of the interior, have also succeeded, in combining with practical arrangement a very definite structural interest. In each case the exterior reveals an admirable feeling for harmony of proportions and grace of line in roof and walls. The placing of the main entrance and approach, the grouping of the windows and dormers, the location of the chimneys—in short, every feature of the exterior is apparently the result of thoughtful study and sympathetic handling of the materials and plans.

Not only are these homes attractive from the standpoint of architecture, but they show in most cases an intimate and harmonious treatment of the grounds with relation to the building. Architect and gardener seem to have worked in unison, with the result that the houses are brought into close relation with their natural surroundings and the transition between man's creative work and

Nature's original beauty is made as gentle and logical as possible.

To what extent the owners of these lovely homes contributed their own suggestions and ideas in the working out of the designs of house and garden, we do not know; but the chances are that they co-operated fairly closely with their architects, for American home-builders are taking more and more a personal interest in this important undertaking—a fact which partially accounts for the growing individuality of our architecture, both in small cottages and bungalows and in the larger and more elaborate residences.

NOVEL CONCRETE CONSTRUCTION.

Built in the manner of a frame house, but with all the parts of concrete instead of wood, a Los Angeles structure is unique in construction. All the material is poured in forms "at the job" so that none of the thin clabboards, two by fours or other parts will be injured in handling. The boards are reinforced with wire netting and are about as thick as the ordinary lumber used in building. While the concrete is soft, they are pierced at the proper points to admit the nails that attach them to the frame. The 2x4's are reinforced with steel rods, as are the stair frames and other concrete timbers. The method of attaching the boards to the frame is original: to the outside of each 2x4 is wired a strip of wood just heavy enough to receive the nails. The concrete foundation is poured in ordinary forms as for any frame structure.

The advantage of this form of concrete building is economy of material, as far less cement is required than to build solid concrete walls. The air space, between the outer wall and the plaster within is another decided advantage, making for even temperature. Ease of setting up is claimed for this style of building, for apparently there is nothing to it that the average carpenter could not handle. Of course, the "forms" are designed to be used repeatedly and are bolted together and taken apart without difficulty.—"Building Age."

PROPER INSTALLATION OF SERVICE PIPES.

The following notes on the proper installation of service pipes are taken from the latest annual report of the Lincoln, Neb., Water Department, Mr. James Tyler, Water Commissioner:

Just inside the basement wall of the dwelling, or building, into which the service pipe extends, a stop and waste cock should be conveniently located, and arranged so that the water may be drawn back and all the pipes within the dwelling, or building, emptied through the stop and waste by opening the faucets at the highest points therein and allowing the air to enter the pipes. All of the pipes connected with the service inside the dwelling, or building, should be laid with an inclination toward the point in the cellar where the stop and waste is located, without any sags or pockets, so that the pipes may

thoroughly empty themselves from water when the waste is opened. But in cases where such sags or traps are unavoidable an additional stop and waste should be put in. The service pipes in the dwelling or building should be located in the parts thereof best protected from frost, and should in no case be carried any considerable distance along side walls, or in same trench with sewer.—"Building and Engineering News."

BOYD'S PHILADELPHIA DIRECTORY.

Boyd's Philadelphia Directory, published by the C. E. Howe Company, Philadelphia, just out, lives up to its reputation as one of the few really indispensable reference works of its kind. The thoroughness of the Boyd directories has become proverbial, their accuracy is little short of marvelous. When one pauses to consider what a task it must be to gather, classify, index and place in shape for ready reference the nearly two million inhabitants of a city like Philadelphia, one can hardly avoid paying tribute to the wonderful organization which has gone to make such a work possible. The Boyd Directory is in every sense a most remarkable production.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

The man who does not advertise is like the man who stops his watch to save time.—Exchange.

FOSTER SYSTEM

MAXIMUM
EFFICIENCY AT MINIMUM
COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



MARYLAND CONTRACTS AWARDED.

(Continued from page 255.)

Garage, Charles and West streets. Architect, J. C. Spedden, 1640 Hanover street, Baltimore. Owners, L. W. Allers & Son, 1138 South Charles street, Baltimore. Brick, 2 stories, 65x55 feet, slag roof, electric lighting, concrete floors. Contract awarded to J. Henry Smith, 1426 Light street, Baltimore. Note change of builders.

Garage, 2702 Harford road, Baltimore. Architect, J. C. Spedden, 1640 Hanover street, Baltimore. Owner, Annie Diegleman, Baltimore, Md. Brick, 1 story, slag roof, electric lighting, concrete floors. Contract awarded to Fred Decker & Son, 1209 East Biddle street, Baltimore.

Theatre, 3, 5 and 7 West North avenue, Baltimore. Architect, O. B. Wight, Munsey Building, Baltimore. Owners, Northern Amusement Co., Baltimore. Brick, terra cotta, and concrete, 1 story, electric lighting, slag roof, steam heating, marble and tile work. Contract awarded to J. Henry Miller, Inc., Franklin and Eutaw street, Baltimore.

Warehouse, Clarkson street and B. & O. R. R., Baltimore, \$5,000. Architect, private plans. Owners, American Oil Co., American Building, Baltimore. Brick, 1 story, 32x68 feet, slag roof, electric lighting. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore, Md.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

Don't expect outsiders to give you a big rating on a one-inch space.

Miscellaneous Construction News

College Building, Cincinnati, Ohio. Architect, A. Lincoln Fechheimer, Lyric Theatre Building, Cincinnati. Owners, University of Cincinnati, Daniel Laurence, Secretary, Cincinnati, Ohio. Brick, limestone and terra cotta, and steel, 3 stories, 141x59 feet, wing 53x72 feet, composition roof, enameled bricks, waterproofing, metal sash and frames, iron stairs, metal lockers, electric lighting, metal lath, composition floors, elevator (heating reserved). Owners taking bids, due May 4th. James H. Wells, Heed Building, is figuring.

Residential Halls (2), Ithaca, N. Y. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Cornell University, care of E. L. Williams, Ithaca, N. Y. Stone and steel, fireproof, 3 stories, 30x160 feet each, slate roof, electric lighting, steam heating, metal lath. Architects taking bids, due May 6th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building, Philadelphia; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia; Amsterdam Construction Co., 140 West Forty-second street, New York City; H. Wales Lines Co., Meriden, Conn.; Matthews Construction Co., Princeton, N. J.; The Whitney Co., No. 1 Liberty street, New York City.

Residence and Garage, Wilmington, Del., \$50,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Josiah Marvel, Du Pont Building, Wilmington, Del. Stone, 3 stories, 40x118

feet; garage, 1 and 2 stories, 30x50 feet; wing, 26x43 feet, shingle tile and slag roof, electric lighting, bond, oak floors, metal lath (heating reserved). Architect taking bids, due May 4th. The following are figuring: Henry L. Brown, 1714 Sansom street, Philadelphia; Healy & Son, 707 Tatnall street; W. D. Haddock & Co., 804 Orange street; J. A. Bader Co., Du Pont Building, all of Wilmington, Del.

Residence, Centerville, Del. Owner, Eugene du Pont, du Pont Building, Wilmington, Del. Architect, H. T. Lindeberg, 2 West Forty-seventh street, New York City. Brick, 2½ stories, 36x185 feet, slate roof, fireproofing, waterproofing, metal lath, oak floors, bond (heating and lighting reserved). Architect taking bids, due April 27th. George & Borst, 277 South Eleventh street, Philadelphia, are figuring.

Theatre, Washington street, Boston, Mass. Architects, Hoffman Co., Juniper and Market streets, Philadelphia. Owners, Orpheum Theatre Co., Boston, Mass. Brick, steel and terra cotta, 1 story, 120x160 feet, slag roof, electric lighting, steam heating. Plans in progress.

Library, Cleveland, Ohio, \$60,000. Architects, Meade & Hamilton, Cleveland, Ohio. Owners, City of Cleveland, City Hall, Cleveland, Ohio. Stone and steel, fireproof, 2 stories, composition roof, steam heating, electric lighting. Contract awarded to James H. Wells, Heed Building, Philadelphia.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

J. Cording (O), Margaret and Busdale sts. H. C. Messmer (C), 497 Markle street. Cost, \$2,500. Dwelling, brick, 2 stories, 14x35 feet, Ridge avenue and Paoli avenue.

Chelton Ice Co. (O), Commonwealth Building. William Steele & Sons (C), 1600 Arch street. Cost, \$20,000. Ice plant, brick, 1 story, 63x54 feet, Germantown avenue and School lane.

F. S. Searles (O), 1236 Allison street. Cost, \$1,400. Shop, brick, 2 stories, 20x38 feet, 5142 Thompson street.

H. J. Farrell (O), 6505 Woodland avenue. Cost, \$22,000. Ten dwellings, brick, 2 stories, 15x33 feet, 6324 to 6343 Kingsessing avenue.

A. V. Turner (O), 6328 North Camac street. Cost, \$8,000. Two dwellings, brick, 2 stories, 26x30 feet, 6300 North Thirteenth street.

Alex. Brown (O), Sharon Hill, Pa. Cost, \$2,400. Two dwellings, brick, 2 stories, 16x34 feet, Curtin and Marvine streets.

F. Boffa (O), 3131 Tilton street. Cost, \$4,200. Three dwellings, brick, 2 stories, 16x24 feet, 3369-71-73 Almond street.

C. Kolson (O), 600 Roxborough avenue. Eureka Const. Co. (C), 600 Roxborough avenue. Cost, \$2,500. Dwelling, brick, 2 stories, 26x46 feet, Rector and Houghton streets.

W. B. Levis (O), 1518 Market street. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$18,500. Store and residence, brick, 2 stories.

Ramsey Bros. (O), 5932 Catherine street. Cost, \$40,600. Twenty-nine dwellings, brick, 2 stories, 16x32 feet. Cost, \$40,600. Twenty-nine dwellings, Fifty-eighth and Addison streets.

W. C. Scull (O), 5705 Master street. Cost,

\$6,000. Two dwellings, brick, 2 stories, 16x46 feet. Cost, \$15,540. Six dwellings. Cost, \$7,770. Three dwellings. Cost, \$7,770. Three dwellings. Cost, \$6,000. Two dwellings, Fifty-sixth and Elliott streets.

University Hospital (O), Thirty-fourth and Spruce streets. Irwin & Leighton (C), 126 North Twelfth street. Cost, \$130,000. Hospital, brick, 5 stories, 54x105 feet.

B. L. Shapiro (O), Land Title Building. Cost, \$2,700. Dwelling, brick, 2 stories, 15x32 feet, Fourth and Cayuga streets. Cost, \$74,400. Thirty-one dwellings. Cost, \$2,700. One dwelling. Cost, \$4,800. Two dwellings. Cost, \$62,000. Thirty-one dwellings. Cost, \$62,000. Thirty-one dwellings. Cost, \$4,800. Two dwellings.

James Irwin (O), 2215 Moore street. L. Frank Hudson (C), 1948 South Twenty-second street. Cost, \$1,800. Dwelling, brick, 2 stories, 16x30 feet, 1918 Point Breeze avenue.

H. N. Diesell (O), 5039 Springfield avenue. Cost, \$30,000. Apartment house, brick 4 stories, 55x120 feet, Forty-sixth and Spruce streets.

M. Schnierer (O), 4645 Lesher street. Cost, \$2,200. Dwelling, brick, 2 stories, 15x51 feet, Comly street.

Rev. E. F. Prendergast (O), Eighteenth and Race streets. W. J. McShane (C), 417 South Thirteenth street. Cost, \$34,750. School, brick, 3 stories, 63x120 feet, Eighty-fifth and Tineum avenue.

J. H. McClatchy (O), Land Title Building. Cost, \$6,000. Dwelling, stone, 3 stories, 30x37 feet, Fifty-second and Overbrook avenue, Cost, \$6,000. Dwelling.

Union Baptist Church (O), Martin and Fitzwater streets. H. C. Rea Co. (C), 1027 Wood street. Cost, \$50,000. Church, 1 story, 80x113 feet, stone, Martin and Fitzwater streets.

J. Harris Tyre (O), 6420 Camac street. Joseph Bird Co. (C), 213 North Eleventh street. Cost, \$12,000. Two dwellings, 2½ stories, stone, 26x40 feet, Oak Lane, Pa.

C. Yundt (O), 301 Tabor road. Cost, \$6,400. FFour dwellings, brick, 2 stories, 14x30 feet, Fairhill and Lindley avenue.

Stahl & Carson (O), 2713 North Park avenue. Cost, \$45,000. Twenty-four dwellings, brick, 2 stories, 15x30 feet, Ella and Courtland streets.

Brown & Mittleman (O), 2422 South Seventh street. Cost, \$3,500. One dwelling, brick, 2 stories, 16x48 feet. Cost, \$48,000. Twenty dwellings. Cedar street and Westmoreland street. Cost, \$48,00. Twenty dwellings.

Schlossberg & Cohen (O), 2534 North Hollywood street. Cost, \$18,000. Nine dwellings, brick, 2 stories, 14x28 feet, Aramingo and Cambria streets. Cost, \$5,000. Two dwellings. Cost, \$18,00. Nine dwellings, Aramingo and Cambria streets.

W. F. McMillan (O), 5116 Tacony street. George W. Crosley (C), 2264 Bridge street. Cost, \$4,700. Two dwellings, brick, 3 stories, 16x52 feet, 5116 Tacony street.

locations. Hitherto the people who have argued in favor of legal restrictions have been for the most part architects and civic reformers who were offended by the aesthetic and social disadvantages of tall buildings. But after the experience of the past few years real estate owners should understand that the fundamental objection is economic. The want of restriction in the height of buildings has the same effect on the stability of the real estate market as cut-throat competition has upon ordinary business. It places all existing values at the mercy of building operators, who are able to take advantage of particularly desirable sites and to improve these sites to the limit. In regulating the height of buildings the city will also be regulating and stabilizing the price of real estate. —"New York Real Estate Record."

Alterations and Additions

William & R. Ford (O), Tacony and Torresdale avenue. R. Beatty & Bros., 2321 East Fletcher street. Cost, \$2,000. Shed, Tacony and Torresdale avenues.

Alhambra Theatre Co. (O), Juniper and Market streets. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$1,500. Theatre, Twelfth and Passyunk avenue.

German Hospital (O), Girard avenue. A. R. Raff (O), 1035 Thompson street. Cost, \$25,000.

Northern Liberty Gas Co. (O), 50 Laurel street. Joseph Bechtel (O), Fifteenth and Race streets. Cost, \$1,150. Fence, Laurel and Canal streets.

G. R. Nichols (O), Wissahickon avenue and Ketcham lane. Kohn & Megargee (C), 126 East Gorgas street, Germantown. Cost, \$1,425. Garage, on premises.

P. McCarthy (O), Thirty-fifth and Mt. Vernon streets. W. E. Briscoe (C), 3954 Ludlow street. Cost, \$2,000. Garage, brick, 1 story, 26x70 feet, Thirty-fifth and Wallace streets.

N. F. Connell (O), 316 North Huntingdon street. Cost, \$2,000. Garage, Lawrence and Cambria streets.

John Morrison (O), 36 North Fifty-second street. Boyd & Carmichael (C), 211 East Willow Grove avenue. Cost, \$3,300. Storage, 5220 Filbert street.

A. Sambio (O), 1237 South Eighth street. Donato & Buro (C), 809 South Eighth street. Cost, \$1,750. Store and dwelling, 1227 South Eighth street.

A. Rais (O), Sixth and Panama streets. H. Yacknitz (C), 1202 North Seventh street. Cost, \$1,990. Storehouse, Sixth and Panama streets.

A. Gredman (O), 621 South Eleventh street. A. P. Luckner (C), 1727 North Fifty-first street. Cost, \$2,340. Store and dwelling, 615 South Eleventh street.

Church of Incarnation (O), Broad and Jefferson streets. William Gray & Sons (C), Thirtieth and Walnut streets. Cost, \$4,700. Church, Broad and Jefferson streets.

L. Keen (O), 519 South Sixth street. H. Miller (C), 427 Catherine street. Cost, 01,500. Store and dwelling, 519 South Sixth street.

T. Banniler (O), Atlantic City, N. J. W. Milnor (C), 4634 Penn street. Cost, \$2,000. Store, Meadow and Frankfort avenue.

F. M. Borden (O), Carpenter and Cresheim road. F. Elvidge & Sons (C), 5522 Germantown avenue. Cost, \$1,000. Garage, Carpenter street and Cresheim road.

Louis A. Ruhs (O), 138 West Ontario street. William Freeling (C), 2553 North Fifth street. Cost, \$1,650. Store and dwelling, Mascher and Ontario streets.

H. Balabon (O), 1700 South Sixteenth street. Cost, \$9,000. Dwelling and stores, 1929 to 37 South Seventh street.

W. B. Lewis (O), 1518 Market street. Basch & Co. (C), 1426 South Front street. Cost, \$780. Store, 1734 Market street.

L. H. Hopt (O), 2613 Girard avenue. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$540. Store and dwelling, 2613 West Girard avenue.

J. B. Miller (O), Oak Lane. C. E. Lloyd (C), Oak Lane, Pa. Cost, \$1,500. Garage, Fern Rock, Pa.

R. Hamilton (O), Wolf and Meadow streets. H. Streeter (C), 1511 North Sixtieth street. Cost, \$1,000. Stable, Wolf and Meadow streets.

Max Marcuse (O), 108 North Franklin street. D. Wittenberg (C), 1751 North Marshall street. Cost, \$2,000. Factory, 108 North Franklin street.

A. Stone (O), 4626 Fairmount avenue. M. Bakst (C), 1540 North Sixth street. Cost, \$1,000. Store and dwelling, 4626 Fairmount avenue.

Mrs. Melledge (O), New York City. J. G. Lynn (C), Fifteenth and Erie avenue. Cost, \$1,200. Store and dwelling, 29 South Seventeenth street.

Edw. H. Fidler Co. (O), 23 North Water street. Irwin & Leighton (O), 126 North Twelfth street. Cost, \$8,000. Trestle, Bridesburg, Pa.

Mrs. L. A. Keenan (O), Oak Lane, Pa. T. A. Quinn (C), Ogontz, Pa. Cost, \$800. Garage, Seventy-first and York road.

B. Mangin (O), 1103 Pierce street. V. V. B. Maguire Co. (C), Twelfth and Moore streets. Cost, \$1,000. Dwelling, 603 Earp street.

Fairhill Cemetery (O), Germantown avenue and Cambria street. H. P. Werner (C), 3245 Germantown avenue. Cost, \$890. Dwelling, Germantown avenue and Cambria street.

A. Brown, 625 Spruce street. Cost, \$2,500. Dwelling, 625 Spruce street.

THE RECKLESS CONSTRUCTION OF TALL BUILDINGS.

The real estate owners of New York ought to appreciate much more widely than they do the disastrous effect upon the stability of values in Manhattan which the lack of any restriction on the height of buildings has brought about. Tax Commissioner Lawson Purdy declared most emphatically at the hearing on the proposed limitation that the reckless construction of tall business buildings had demoralized real estate prices in many speculative districts, and he was right. What Manhattan needs as a condition of wholesome real estate development is comparatively even improvement throughout its whole breadth, and such an improvement can never take place as long as builders are permitted to run up skyscrapers on peculiarly favorable

A SLATE ROOF.

As a construction and finishing material, slate is steadily growing in popularity, it being much more freely employed than even a few years ago. Its uses in laundries, closets and quite a wide range of similar uses, for which it is admirably adapted, have been expanding as rapidly as any other material in the country. In the meantime it is being more generally specified than formerly as a roofing material, and that in spite of the development of other excellent materials well adapted to that important purpose.

It is no disparagement to other forms of roofs to say that one constructed of slate can have no superior. Thanks to large deposits of excellent slate and improved methods for quarrying and preparing it for use, it can now be procured at a very moderate cost, when its great service, fine appearance and long life are taken into account.

There are slates in Pennsylvania and elsewhere that have been in continual use for more than a century and seem capable of resisting the action of the elements during another century, to put the matter mildly. No other stone and few metals, exposed in a like manner, would endure so long. A pile of slate may be exposed to the action of the weather for years without the slightest change or deterioration. Slate exists in various colors and tints, and when properly applied presents a highly artistic appearance, often setting off, literally crowning, a fine building as no other roofing material could.

Like many other things, roofs follow a general local style often established by the character of the roofing material most readily and cheaply procurable. For the most part, wooden shingles, except for flat roofs, are still employed. This is chiefly due to their comparative cheapness, though when their short life, dingy appearance and inflammability are taken into account, they make about the most expensive roof that can be laid. In some sections of the country slate roofs have become very popular, being almost universally employed. This is particularly true in Pennsylvania, where they are much in evidence. In some of the suburbs of Pittsburgh,

now integral portions of the city, one sees only slate roofs.

We are now building far better than we did a generation ago, the stage of temporary construction being largely a thing of the past. This is leading to the adoption of better materials for roofs, as clearly appears from the immense amount of new roofing materials now made and sold. Thanks to this movement, slate is certain to be much more freely employed in the future than in the past.

Slate is admirably adapted for sloping roofs to which wooden shingles are usually

applied. One of the great advantages of a slate roof is that in the event of fires it entirely resists the action of sparks and burning fragments of wood which have carried destruction to almost no end of shingled roofs, the fuzz upon which amounts to a veritable tinder. If every house in a given town had a slate instead of a shingle roof, fire losses would greatly diminish and insurance rates decline. Any house that is worth building is worth a proper roof, in which category slate distinctly and undeniably falls.—“The National Builder.”

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

*The thirteenth annual exhibition of the Architectural League of New York, which opened according to program in the building of the American Fine Arts Society in West Fifty-seventh street, was of unusual interest by reason of the number and variety of architectural drawings, paintings and sculpture which were displayed. A special feature was found in the number of decorations for the buildings at the Panama Exposition which was opened to the public in San Francisco on February 20. This year there was no prize awarded for architecture, but the medal of honor for sculpture was given to Robert Aitken for his “Fountain of the Earth” at the Panama Exposition at San Francisco. The special prize for the best design submitted by an architect, mural painter and sculptor in collaboration was awarded to Jerald Dahler, Warren Dahler and Anthony T. Terizzi for a scheme of decoration for a terminal to a garden. The Henry O. Avery prize for sculpture was awarded to Hans Schuler for his figure of a small nymph which he made for a garden terminal designed by William B. Beecher.

**One of the most important subjects which engaged the attention of the delegates at the recent annual convention of the New York State Association of Builders, held in Utica, was the Workmen's Compensation Law, and a series of resolutions were adopted, a part of which read as follows:

“That we do not favor paying to alien dependents of deceased workmen large awards and benefits under compensation.

“That this convention believes that the best interests of all parties concerned is served by permitting the four forms of insurance as now allowed under the existing compensation law. This convention further believes that it is not to the best interest of the public that the limit when compensation begins shall be reduced from 14 days to seven days.

“That this convention recommends that

the existing compensation law be so amended as to absolutely secure compensation for injured employed in all building industries protecting them particularly against employers not carrying workmen's compensation insurance.

“This convention would further recommend to the Compensation Commission a consistent revision of the rates as applying to the contracting fraternity, and we further recommend that insofar as possible the merit rating of contractors' risks be allowed and that this merit rating apply to all contractors.

“This convention further recommends that the best interests of the employes, as well as the insuring public would be best served by separating the State fund from the commission and placing same under the jurisdiction of the commissioner of insurance in the State of New York. In other words, the same supervision being given said State fund as is given to all stock and mutual companies.”

Attention was also given to the matter of uniformity of contracts, and a resolution was adopted favoring the equality of union and non-union workmen so as to relieve the unemployed situation so far as may be possible. The officers elected for the ensuing year were: President, C. G. Norman, of New York; first vice-president, E. M. Gregory, of Corning; second vice-president, E. A. Keeler, of Albany; secretary-treasurer, James M. Carter, of Buffalo. The chairman of the Executive Committee is Lewis Harding, of New York City.

The man who is “going to do some advertising next year—maybe” gets his advertising in the end in the shape of an obituary.

Philadelphia is one of the busiest building centers in the United States and “The Guide” is the only medium that touches this golden field.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for “Proposal” advertising. “The Builders' Guide” is the Only Medium in this Field.

NOTICE TO BUILDING CONTRACTORS.

Sealed Proposals will be received by the Committee on Grounds and Buildings of the Board of Education of Trenton, N. J., at the office of the Business Manager, Administration Building, No. 9 South Stockton street, at 2 o'clock P. M., Thursday, April 29th, and opened immediately thereafter, for all labor and materials necessary for the erection of a brick and stone school building to be known as Junior High School, No. 1, in accordance with plans and specifications prepared by the Board of Education. Copies of plans are on file and may be obtained at the office of the Business Manager.

Separate bids must be presented for Plumbing, Heating, Ventilation and Electric Wiring. Fifty (\$50.00) dollars must be deposited for each set of plans loaned, which will be forfeited to the Board of Education if plans are not returned in good condition upon the date specified.

Each bid must be submitted upon the form in the back of the specification and must be accompanied by a certified check for ten per cent. of the amount of the bid, payable to the contractor's order, properly endorsed, as a guarantee that he will enter into a contract for the work if his proposal is accepted by the Board of Education.

Within ten days after the moneys appropriated by the Board of Commissioners for this purpose becomes available the successful bidder will be required to enter into a contract, for the completion of the entire work on or before August 1st, 1916.

A bond of an approved surety company for the full amount of the contract must be given by the contractor.

Each bidder must give the names of his sub-contractors.

Estimates will also be received on the same date and hour for all furniture required.

The Board reserves the right to reject any or all bids.

WILLIAM A. POLAND,
Business Manager.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 5, 1915.—Sealed proposals will be opened in this office at 3 P. M., May 17, 1915, for the extension, alteration, etc., of the United States post office at Concord, N. H. Drawings and specifications may be obtained from the custodian at Concord, N. H., or at this office, in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

Many are on the road to success—traveling the wrong way.

“Noah filled the ark,” says an exchange, “without advertising.”

Wrong again, esteemed contemp. The ark was advertised in the Daily Deluge, Scripture tells us, for 40 days and 40 nights.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.).

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Clothes Dryers.

American Clothes Dryer Co.,
141 W. 19th st., New York City.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Wm. Thomson, 64 N. 2nd st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Gas Grates.

J. B. Spruance, 9 S. 18th st., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori-g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Laundry Equipment.

American Clothes Dryer Co.,
141 W. 19th st., New York City

Lighting Fixtures.

Franklin Fixture Company,
242 Penn st., Reading, Pa.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
William Thomson, 64-66 N. 2nd st., Phila.
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Wall Sides.

J. B. Spruance, 9 S. 18th st., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Benjamin Foster Co.,

22nd and Sedgley ave., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

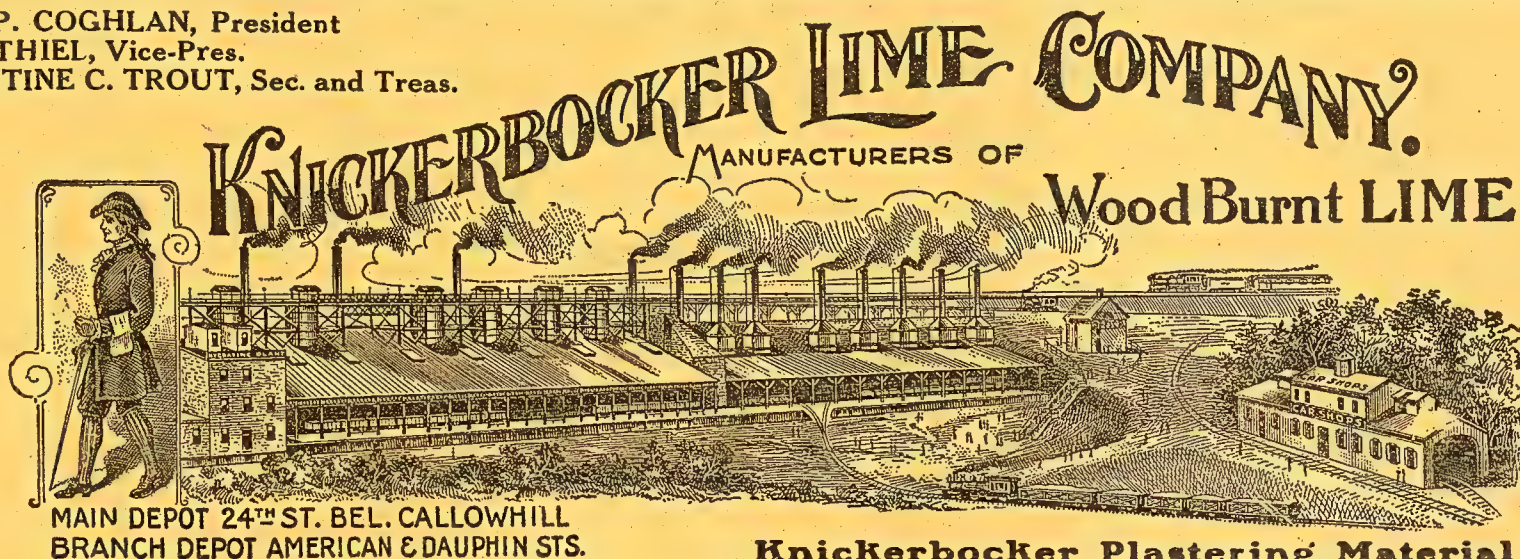
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

Distinctive in Design

Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory

221 N. 16th Street Philadelphia, Pa.

Increase your opportunities for
business by using **THE DAILY
BUILDING NEWS.**

Building News Pub. Co.

Perry Bldg, Philadelphia, Pa.

MANUFACTURERS OF Builders' and Ornamental IRON WORK

Castings, Bolts, Rods

Humphreys-Christman Co.

635-37-39 N. Watts St., Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 17.

PHILADELPHIA, WEDNESDAY, APRIL 28, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

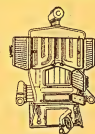
SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MILLS



"Guarantee"

We stand back of our
Boiler.

They will do everything
we claim for them.

Send for information.

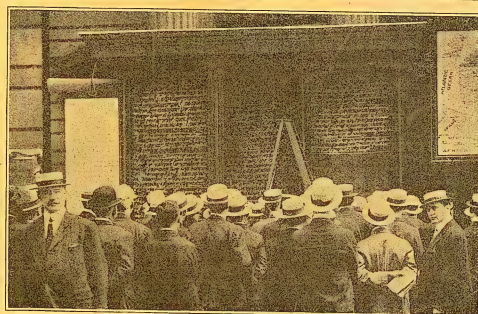
THE H. B. SMITH CO.

1225 Arch Street
PHILADELPHIA, PA.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

WATERPROOFING

A Complete Line of
Integral and Membrane
Waterproofings, Dampproofings
Floor Hardeners and
Technical Paints

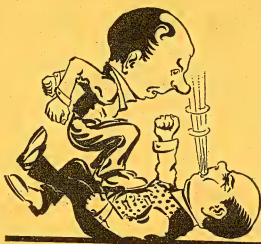
MAY WE SOLVE YOUR PROBLEM?

Catalog on Request

Builders' Steel Products Co.

131-133 S. 24th Street
Philadelphia

FIREPROOFING AND WATERPROOFING
MATERIALS



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

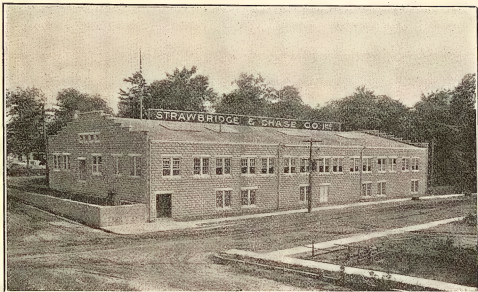
MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work

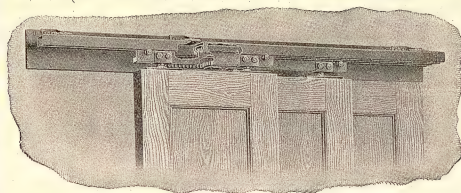


**THIS IS WHERE WE MAKE
EVERYTHING IN WIRE**

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.

IDEAL Elevator Hanger



**IDEAL in Name and Action
"And Made in U. S. A."**

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

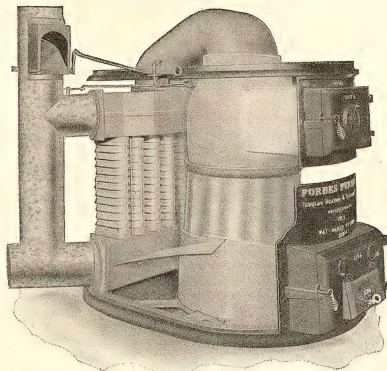
Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.
Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.
232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

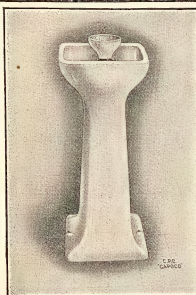


Plate 206 D

"CAPOCO"

Sanitary Vitreous Earthenware

Vitreous China Square Pedestal Bubbler Drinking Fountain, suitable for Hotels, Hospitals, R. R. Stations and all public places. We manufacture a complete line of Drinking Fountains.

Write for *Catalogue D.*

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)

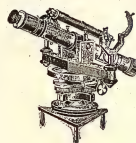


The only Expanded Metal Lath in Rolls
Patented February 17th, 1914.

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

USE SCAMMELL Lath for Best Results

PAYNE & SCAMMELL
Concrete Fireproofing, Metal Furring and Lathing
Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15

to \$115.

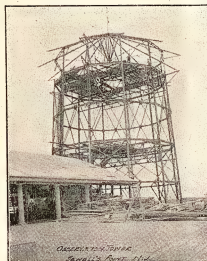
Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material
1125 CHESTNUT ST., Philadelphia
Phones: Bell, Filbert 3605, 3604. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 17.

PHILADELPHIA, WEDNESDAY, APRIL 28, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence, Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner, Ed. J. Stoesser, 133 West Girard avenue, Philadelphia. Brick and plaster, 2½ stories, 25x40 feet, slate roof, electric lighting, hot water heating. Plans in progress. Bids in about two weeks.

Store and Dwelling (alt. and add.), Frankford avenue and Somerset street. Architects, Guy King Co., 1513 Walnut street, Philadelphia. Owner, Jacob Strecker, on premises. Brick, 3 stories, 20x45 feet, slag roof, steam heating, electric lighting, metal lath, composition roof. Architects taking bids, due April 28th. The following are figuring: William R. Dougherty, 1610 Sanson street; A. P. Whitehead, Inc., 1624 Latimer street; A. P. Fraim, 319 Market street; W. P. Yost, 2751 Frankford avenue; H. A. Hobert, 2620 East Cumberland street, all of Philadelphia.

Store Building, 2846½ Kensington avenue, Philadelphia. Architect, H. B. Weldon, 1614 Cherry street, Philadelphia. Owner, Samuel J. Lyons, on premises. Brick, 2 stories, 17x49 feet, slag roof, hot water heating, electric lighting, tile work. Architect taking bids, due April 30th. The following are figuring: Smith-Hardiean Co., 1614 Cherry street; Stewart Bros., 2626 North Orkney street; Bushnell Bros., 2246 North Fifth street, all of Philadelphia.

Factory, Arch and Allison streets, Philadelphia. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Samuel Yellin, 217 Jefferson street, Philadelphia. Brick, 2 stories, slag roof, steam heating, 50x100 feet. Plans completed. Bids in a few days.

Residence (alt. and add.), Gowan avenue, Mt. Airy, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner's name withheld. Stone and brick, 2½ stories, slate and slag roof. Plans in progress.

Garage, Mt. Airy, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner's name withheld. Brick, 1 story, 20x56 feet, slag roof, electric lighting,

hot water heating. Architect taking bids, due April 28th. The following are figuring: H. E. Sweger, 4435 North Uber street; A. Whitehead, Inc., 1624 Latimer street; Stacy Reeves & Sons, 2011 Market street; T. C. Trafford, 1613 Sanson street; Monaghan & Losse, 214 South Twelfth street; Kohl & Megargee, 124 East Gorgas street, Germantown, all of Philadelphia.

Residences (6), St. Martins, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone and frame, 2½ stories. Plans in progress.

Residences (6), St. Martins, Pa. Architect, E. B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone and frame, 2½ stories. Plans in progress.

Residences (3), St. Martins, Pa. Architect, Robert R. McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Dr. George Woodward, North American Building. Stone and frame, 2½ stories. Plans in progress.

Store and Residence (alt. and add.), 2617 Germantown avenue, Philadelphia. Architect, Charles Parker, 1227 Hilton street, Philadelphia. Owner, H. D. Clausner, 2617 Germantown avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, electric lighting, steam heating. Architect has received bids.

Factory, Twenty-fifth and Locust streets, Philadelphia. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owners, A. H. & F. H. Lippincott, Inc., Twenty-fourth and Locust streets, Philadelphia. Reinforced concrete and brick, 4 stories, 110x190 feet, slag roof, steam heating, electric lighting, elevators, sprinkler system, power plant, brick coat. Plans in progress. Architect will take bids in about ten days.

Residence (alt. and add.), Overbrook, Philadelphia. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, T. Wistar Brown, Fifty-ninth and City Line, Philadelphia. Stone, 2½ stories, slag and canvas roof, electric lighting, steam heating, waterproofing. Architects have received bids.

Stable and Garage, Thirty-third and Wallace streets, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Pennsylvania Laundry Co., 319 North Thirty-second street, Philadelphia. Brick, 1 story, 45x170 feet, slag roof, electric lighting, steam heating, gasoline storage. Architect has received bids.

Store and Dwelling, Delaware avenue and Pine street, Philadelphia. Architect, private plans. Owner, William J. McClernan, No. 6 Pine street, Philadelphia. Brick, 4 stories, 20x100 feet, slag roof, metal lath (heating and lighting reserved). Owner has received bids.

Church, Tacony, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Tacony M. E. Church, Rev. C. Hudson, 3424 Disston street, Philadelphia. Stone, 1 story, 100x150 feet, slate roof, electric lighting, steam heating. Plans in progress. Bids in about two weeks.

Factory, Seventh and Wood streets, Philadelphia. Architect, Herman Miller, Crozer Building, Philadelphia. Owner, Charles W. Lawser, 712 Cherry street, Philadelphia. Sayre & Fisher brick, concrete and steel, 3 stories, 50x90 feet, slag roof, electric lighting, steam heating, safety treads, metal frame and sash, waterproofing. Architect taking bids, due May 1st. The following are figuring: Stacy Reeves & Sons, 2011 Market street; H. E. Grau Co., 1706 Sanson street; Frank K. Stahl, 226 East Sydney street; Turner Concrete Steel Co., 1713 Sanson street; Barclay White Co., Perry Building, all of Philadelphia.

Residence, 6371 Drexel Road, Overbrook, Philadelphia. Architect, A. J. Rust, 1952 East Allegheny avenue, Philadelphia. Owner, J. H. Irvin Philadelphia Bank Building, Philadelphia. Stone, 2½ stories, 43x45 feet, tile and slag roof (heating and lighting reserved). Owner taking bids, due April 28th. A. L. Fretz & Sons, 1222 Chancellor street, Philadelphia, are figuring.

Residences (14), Marshall and Indiana avenue, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Abe Weisbond, 918 East Moyamensing

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



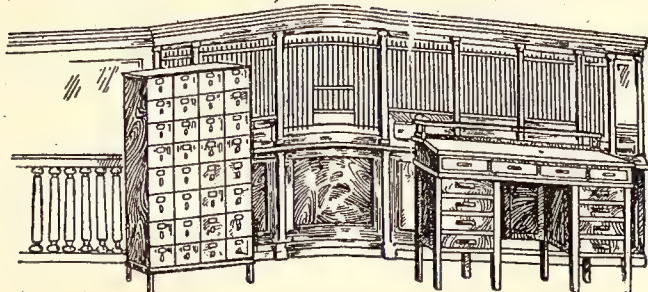
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

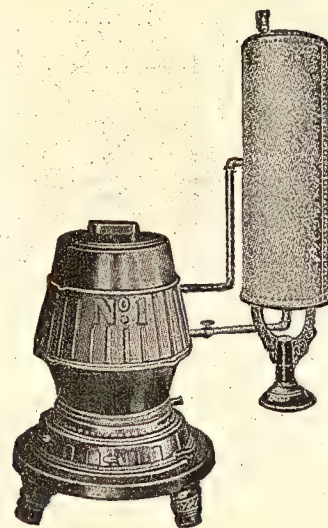
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



Crown-Adelphia TANK HEATER

The greatest little stove in the country.
Heats water, that's all.

24 hours a day on the job every minute at
a cost of but a few cents a day.

CIRCULAR UPON REQUEST

BORDEN STOVE COMPANY

118-122 N. Second Street :: Philadelphia

INSTALLED AND GUARANTEED BY YOUR PLUMBER

avenue, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, steam heating, electric lighting. Owner taking sub-bids.

Store (alt. and add.), 1226 Chestnut street, Philadelphia. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owners, J. & T. Cousins, on premises. Consists of general interior alterations and addition, electric lighting, oak floors. Architect taking bids, due April 28th. The following are figuring: E. E. Wallace, 1210 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; H. H. Burrell, 206 South Quince street, all of Philadelphia.

Dwellings (75), Seventieth and Paschall avenue, Philadelphia. Architect, private plans. Owners, Kleinman & Zorhoff, 512 Crozer Building, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hot water heating, electric lighting, oak floors. Plans in progress. Owner will take sub-bids.

Twin Residence, Queen Lane Manor, Phila-

delphia. Architect, Samuel D. Hawley, 2nd, 3122 West Penn street, ermantown. Owners, School Lane Land Co., ermantown. Brick and plaster, 2½ stories, 40x50 feet, slate roof, electric lighting, hot water heating, oak floors. Plans in progress.

Residence (alt. and add.), Coulter and Fox streets, ermantown. Architect, Samuel D. Hawley, 2nd, 3122 West Penn street, German-town. Owner, E. H. Fitch, Broad and Spring Garden streets, Philadelphia. Stone, 2½ stories, 16x25 feet, shingle roof, electric lighting, hot water heating, oak floors. Plans in progress.

Garage, 2030 Rittenhouse street, Philadelphia. Architect, private plans. Owner, Estate of Caleb J. Milne, Eleventh and Washington avenue, Philadelphia. Brick, steel and concrete, 3 stories, 58x75 feet, slag roof, metal lath, metal frames and sash (heating and lighting reserved). Revised plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Rectory (alt. and add.), Sixty-third and Callowhill streets, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, Our Lady of the Rosary R. C. Church, Rev. P. J. Daly, Sixty-third and Callowhill street, Philadelphia. Stone, 2½ stories, slate roof, electric lighting, steam heating, oak floors. Contract awarded to J. E. Kearney, 327 North Sixty-third street, Philadelphia.

Apartment and Store, Nineteenth and Jackson streets, Philadelphia, \$3,000. Architect, private plans. Owner, F. W. Van Horn, 1603 Morris street, Philadelphia. Brick, 2 stories, 19x90 feet, slag roof, electric lighting, steam heating, oak floors, metal ceilings. Contract awarded to John Uber, 2230 South Beechwood street, Philadelphia.

Residence, Oak Lane, Philadelphia. Architect, A. K. Holland, 3922 Franklin street, Philadelphia. Owner, Rev. W. B. Lower, Wyncote, Pa. Brick and plaster, 2½ stories, 18x42 feet, slate roof, hot water heating, gas light-

ing. Contract awarded to Krewson Brothers, Glenside, Pa.

Store and Apartment, 2613 Germantown avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Henry W. Juergens, 2615 Germantown avenue, Philadelphia. Brick, 2 stories, 18x42 feet, slag roof, hot water heating. Contract awarded to H. P. Schneider, 3715 Old York road.

Stores (2), Oak Lane, Philadelphia. Architect, private plans. Owner, Thomas Bernard, Oak Lane, Philadelphia. Brick, 1 story, 26x50 feet, slag roof, steam heating, electric lighting, metal lath. Contract awarded to Howard Trexler, 212 East Hortter street, Germantown.

Store Building, Oak Lane, Philadelphia. Architect, private plans. Owners, Robinson & Crawford, Nineteenth and Pennsylvania avenue, Philadelphia. Brick, 1 story, 30x50 feet, slag roof, electric lighting, hot air heating. Contract awarded to Howard Trexler, 212 East Hortter street, Germantown.

Garage, 2022-24 North Randolph street,

UNITAS TILING

A non metallic substitute for
tile and wood

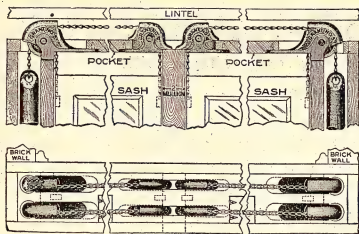
Manufactured by the Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.
Is easily installed and quickly adjusted.
Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W, 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Philadelphia. Architect, private plans. Owner, Robert Drummond, 2025 Germantown ave. Phila. Brick, 1 story, 50x32 feet, slag roof, electric lighting (heating and plumbing to be done by owner). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Garage, Tenth and Dakota streets, Philadelphia. Architect, private plans. Owners, A. C. Krumm & Sons, 1012 Dakota street, Philadelphia. Brick, 2 stories, 32x70 feet, slag roof, steam heating, electric lighting. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue, Philadelphia.

Hospital (alt. and add.), Eighteenth and Lombard streets, Philadelphia, \$6,000. Architect, private plans. Owner, Polyclinic Hospital, on premises. Brick and stone, fireproof, 4 stories, metal lath. Contract awarded to J. S. Cornell & Sons, Land Title Building, Philadelphia.

Garage, Ridge avenue and du Pont street, Philadelphia, \$5,000. Architect, private plans. Owner, E. E. Wanklin, 1238 Rising Sun Lane, Philadelphia. Brick, 1 story, 49x183 feet, slag roof, electric lighting, steam heating. Contract awarded to C. M. Swartley, 6835 Ridge avenue, Philadelphia.

Factory (alt. and add.), Eleventh and Wood streets, Philadelphia. Architects, Franklin & Co., Crozer Building, Philadelphia. Owners, Jarden Lithograph Co., Eleventh and Wood streets, Philadelphia. Brick and concrete, 4 stories, copper roof. Contract awarded to Elevator Engineering and Construction Co., 250 North Mervine street, Philadelphia.

Store and Dwelling (alt. and add.), 923 North Broad street, Philadelphia. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owner, Murray White, Morris Building, Philadelphia. Brick, 3 stories, con-

sists of new front and interior alterations and oak floors, electric lighting. Contract awarded to D. Henwood, 1509 Wood street, Philadelphia.

Residence, West Allen lane, Germantown. Architect, George C. Johnson, 1409 North Seventeenth street, Philadelphia. Owner, E. J. Johnson, care of architect. Brick and plaster, 2½ stories, 22x35 feet, shingle roof, electric lighting, hot air heating, oak floors. Contract awarded to Alfred James, Bala, Pa.

Library (add.), Thirty-fourth and Spruce streets, Philadelphia, \$40,000. Architects, Furness, Eans Co., Fourth and Chestnut streets, Philadelphia. Owners, University of Pennsylvania, Thirty-sixth and Spruce sts., Philadelphia. Brick, stone and terra cotta, fireproof, 5 stories and basement, 33x104 feet, copper roof (heating and lighting reserved). Contract awarded to W. B. Chapman & Son, Fifteenth and Washington avenue, Philadelphia.

Warehouse, Forty-second and Haverford avenue, Philadelphia. Architect, John C. Norton, Bryn Mawr, Pa. Owner, Mrs. Elizabeth D. Melville, 22 North Fifty-second street, Philadelphia. Brick, 3 stories, 17x125 feet, slag roof, metal lath, bond, metal ceilings, metal frames and sash, waterproofing, electric lighting, hot water heating. Contract awarded to F. C. Borel, 5424 Summer street, Philadelphia.

College Building, Broad and Berks streets, Philadelphia. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owners, Temple College, Broad and Berks streets, Philadelphia. Brick, 3 stories and basement, 40x60 feet, slag roof, metal lath, safety treads, maple and asphalt floors (heating and lighting reserved). Contract awarded to Harrison C. Rea Co., 1027 Wood street, Philadelphia.

PENNSYLVANIA

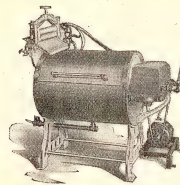
Construction News

Residence, Lancaster, Pa., \$6,000. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner's name withheld. Brick, 2½ stories, 35x52 feet, asbestos shingle roof,

hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residences (8), Lancaster, Pa., \$24,000. Architect, Melvern Evans, 10½ East Orange

Laundry Equipment



AMERICAN CLOTHES DRYER CO.
141 W. 19th Street New York City

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

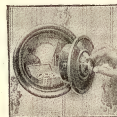
THE AQUABAR CO.
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.,
PHILADELPHIA. PA.



MEILINK WALL SAFES

FOR HOME OR APARTMENT
Best Quality Lowest Price
Backus Gas Heaters

J. B. SPRUANCE
9 S. 18th St., Philadelphia, Pa.



R. O. SCHEEL, PRESIDENT

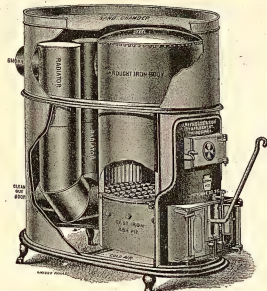
FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.
9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating**Keystone Wrought Iron Furnaces**

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Range's Birthday Week

April 26 to May 1. For 51 years the Gas Range has given faithful and economical cooking, broiling and baking service to American housewives. We are offering

Special Cabinet Ranges

About the same price as a double oven Range.

\$21.75 { \$2.25 down
\$2.00 a month

Send for a Representative

**The United Gas
Improvement Company**

R. J. CARRICK,

Contracting
Painter and Decorator
Hardwood Finishing Freescing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

street, Lancaster, Pa. Owners, Bowman & Kendig, Lancaster, Pa. Brick, 2½ stories, 18x50 each, slate roof, hot air heating, electric lighting, oak floors. Architect taking bids. The following are figuring: B. F. Hall, Joseph Zook, D. S. Warfel and Isaac Witmer, all of Lancaster, Pa.

Residence, Lancaster, Pa., \$3,500. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, Georg F. Kaibler, Philadelphia pike, Lancaster, Pa. Brick, 2½ stories, 30x28 feet, slate roof, electric lighting. Owner has received bids.

Residence, Cynwyd, Pa. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, R. Merrick, Cynwyd, Pa. Hollow til and plaster, 2½ stories, 27x57 feet, slate roof, electric lighting, hot water heating. J. P. Thompson, Real Estate Trust Building, Philadelphia, is taking sub-bids.

Residence, Merion, Pa., \$15,000. Architects, Frank Seeburger & Charles F. Rabenold, Pennsylvania Building. Owner, William H. Steigerwalt, 1420 Chestnut street, Philadelphia. Stone and timber, 2½ stories, 30x75 feet, slate roof, hot water heating, oak floors, electric lighting. Plans about completed. Owner will probably take sub-bids.

Bungalows (3), Doylestown, Pa. Architects, Frank Seeburger & Charles F. Rabenold, Pennsylvania Building. Philadelphia. Owners, H. A. Prock & A. J. Clark, Glenside, Pa. Frame, 1½ stories, shingle roofs, hot water heating, electric lighting. Architects taking bids, due April 29th. The following are figuring: H. E. Hauser, Grover Krewson, Fesmire & Mitchell, Alex. Thompson, all of Glenside, Pa.; Jonas Martin and David Nye, Doylestown, Pa.

Receiving Station, Gordonville, Pa. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, Ed. W. Woolman, 4709 Lancaster avenue, Philadelphia. Hollow tile, 1 story, 30x60 feet, composition roof, metal lath, electric lighting. Architect taking bids, due April 28th. R. G. Ballinger & Co., 218 North Thirteenth street, Philadelphia, are figuring.

Garage, Haverford, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Miss A. Hartshorne, Haverford, Pa. Hollow tile and plaster, 2½ stories, 22x30 feet, shingle roof, electric lighting, hot water heating. Plans completed. Architect ready for bids.

School, Luzerne Borough, Pa. Architects, Pettebone & Lewis, Wilkes-Barre, Pa. Owners, Luzerne Borough School District, Luzerne, Pa. Brick, 3 stories, 36x75 feet, slate roof (heating and lighting separate bids). Own-

ers taking bids, due April 28th. F. Roe Searling, Ferry Building, Philadelphia, is figuring.

School, Manheim Township, Pa., \$6,500. Architect, Melvern R. Evans, 10½ East Orange street, Lancaster, Pa. Owners, Manheim School District, H. W. Dinkil, Eden, Pa. Brick, 1 story, 50x40 feet; wing, 24x16 feet, slate roof, hot air heating, electric lighting, waterproofing and dampproofing, slate blackboards. Plans in progress.

Residences (8), Lancaster, Pa., \$24,000. Architect, Melvern R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Samuel H. Bally, 514 Shippin street, Lancaster, Pa. Brick, 2 stories, 19x55 feet, slag roofs, hot air heating, electric lighting, hardwood floors. Plans in progress. Owner will take sub-bids.

Residences (9), Lancaster, Pa., \$27,000. Architect, Melvern R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, F. F. Brenner, Lancaster, Pa. Brick, 3 stories, 20x50 feet each, slag roof, hot air heating, electric lighting. Plans in progress. Owner will take sub-bids.

Church and Sunday School, York, Pa., \$10,000. Architect, Edward Leber, Hay Building, York, Pa. Owners, Ridge Avenue M. E. Church, York, Pa. Brick, 1 story, 50x67 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residences (4), Lancaster, Pa., \$14,000. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, C. F. Whitmyer & H. M. Musser, Lancaster, Pa. Brick, 3 stories, 18x47 feet each, tile and slate roofs, hot water heating, gas and electric lighting, tile work, hardwood floors. Architect taking bids, due May 10th.

Residences (6), Lancaster, Pa. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, F. W. Rehm, 214 King street, Lancaster, Pa. Brick, 2 stories, 13x32 feet each, slag roof. Architect taking bids, due May 10th.

Factory (alt. and add.), North Lancaster, Pa., \$10,000. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner's name withheld. Brick, 3 stories, 40x100 feet, slag or tin roof, steam heating, electric lighting. Plans in progress.

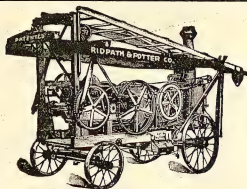
Residence and Store, East Lancaster, Pa., \$8,500. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner's name withheld. Brick, 3 stories, 50x18 feet, tin and slate roof, hot water heating, electric lighting. Plans in progress.

Residence, Barnmouth, Pa. Architect, private plans. Owner, Frederick W. Breittinger, Franklin Building, Philadelphia. Frame, 2½ stories, 24x48 feet, shingle roof (heating and

The **Broomell System**
of Vapor Heating

The original and only real VAPOR SYSTEM.
Installed in over ten thousand buildings of every kind
and size. It will pay you to investigate.

**VAPOR HEATING CO., HARTMAN BLDG.
YORK : PA.**



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

lighting reserved). Owner taking bids, due April 30th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; Specht & Sperry, Heed Building; B. I. P. Evans Co., Thirteenth and Wallace streets, all of Philadelphia, and Charles C. Pace, Merion, Pa.

Residence, Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Walter M. Franklin, Jr., Rosemont, Pa. Frame and plaster, 2½ stories, 39x34 feet, shingle roof, hot water heating, electric lighting, oak floors. Builders, Graham-Campion Co., Heed Building, Philadelphia, taking sub-bids.

Residence, Downingtown, Pa. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Ellis Y. Brown, Jr., Downingtown, Pa. Stone, 2½ stories, 36x38 feet; wing, 25x30 feet, shingle roof, warm air heating. Plans in progress.

Residence and Garage, Haverford, Pa. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Caspar W. Morris, Land Title Building, Philadelphia. Brick and plaster, 2½ stories, 71x90 feet; wing, 22x25 feet, shingle roof (vapor heating and electric lighting reserved), hardwood floors. Architects taking revised bids, due May 1st. The following are figuring: H. H. Burrell, 206 South Quince street; Graham-Campion Co., Heed Building; J. S. Cornell & Sons, Land Title Building; Henry L. Brown, 1714 Sansom street; A. L. Fretz & Sons, Chancellor street; James H. Wells, Heed Building, all of Philadelphia.

Lumber Shed, Glenside, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Frank Justice, Glenside, Pa. Frame and asbestos shingle, 1 story, 40x225 feet, slag roof. Revised plans in progress.

Residence and Garage, Drexel Hill, Pa. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, Thomas T. Wolfenden, Drexel Hill, Pa. Hollow tile and plaster, 2½ stories, 34x41 feet, shingle roof, hot water heating, electric lighting. Architects taking bids, due April 27th. The following are figuring: James B. Flooders, 1329 Arch street; Harry Davis, 5100 Westminster avenue; Sutton & Stephenson, 1317 Washington avenue; M. Roy Sheen, 450 North Wilton street, all of Philadelphia; W. Harry Roberts, Grassland, Pa.; L. W. Zell, Lansdowne, Pa.

Residence, Glenside, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner's name withheld. Stone and

frame, 2½ stories, 20x26 feet, shingle roof, electric lighting, oak floors, hot water heating. Plans in progress.

Church (alt. and add.), Mauch Chunk, Pa. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, St. John's P. E. Church, Mauch Chunk, Pa. Stone, 1 story, slate roof. Plans in progress.

Rectory, Lock Haven, Pa. Architects, Ed. F. Durang & Sons, Twelfth and Chestnut sts., Philadelphia. Owners, Immaculate Conception R. C. Church, Rev. W. Davies. Stone, 2½ stories, 40x50 feet, slate and canvas roof (heating and lighting reserved). Architects have received bids.

Passenger Station, Tunnels and Platforms, Wilkinsburg, Pa., \$125,000. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, stone, steel, fireproof, 60x125 feet, slate roof, electric lighting, steam heating, metal lath, waterproofing. Owners taking bids, due May 12th. The following are figuring: Roydhouse-Arey Co., Fidelity Building; Irwin & Leighton, 126 North Twelfth street; F. A. Havens, 845 North Nineteenth street; W. W. Lindsay & Co., Harrison Building; J. Myers & Sons Co., Witherspoon Building, all of Philadelphia; F. T. Ley Co., 30 East Forty-second street; R. H. Hoves Const. Co., 105 West Fortieth street; F. D. Hyde, 90 West street, all of New York City; W. F. Trimble & Sons Co., 1719 Penn avenue; Henry Shenk Co., Century Building; F. L. Fisher, 2004 Watson street; Cuthbert Bros., Messmer Building; Dawson Const. Co., May Building; Miller Const. Co., 530 Fernando street; F. F. Shellenberger Co., Oliver Building; Pittsburgh Const. Co., Diamond Bank Building; Walker & Curley, Bessemer Building; D. T. Riffle, Bessemer Building; Kreuler & Crick, 3512 Fifth avenue; H. L. Kreuler, 3301 Penn street; C. A. Riffle, 421 Wood street, all of Pittsburgh, Pa.; J. H. Miller, Baltimore, Md.; F. Hoffman & Co. and E. X. Pepper, Wilkinsburg, Pa.; W. D. Steinbach Sons, Lewistown, Pa.; G. B. Long, Worcester, Mass.; J. B. Trexler, Reading, Pa.

Residence (alt. and add.), Merion, Pa. Architects, Druckenmiller & Williams, Land Title Building. Owner, Hartshorne Mansion, Merion, Pa. Stone, 2½ stories, tile roof, electric lighting, hot water heating or vapor vacuum heating, oak floors. Plans in progress.

Residence and Garage, Merion, Pa. Architect, Frank Seeberger, Pennsylvania Building, Philadelphia. Owner, Fred W. Fleck, 44



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

—
Tin and Slag

Roofing

—
**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1866

WOOD WORK OF QUALITY



Mill Work Cabinet Work
Slat Work Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings

New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa.; 215 Fulton Street, New York City

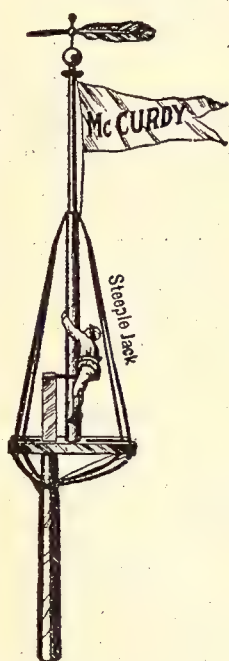
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

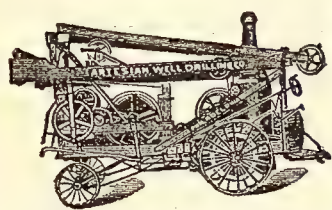
**Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete**

**STEEPLEJACK
CANVAS ROOFING**

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

**Brick Arches and Angles
Ground and Fitted**

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

**Home Liberty Palace Liberty
Ranges and Heaters**

114 N. 2nd St., Phila.

North Fifth street, Philadelphia. Stone, 2½ stories, 44x64 feet, slate roof, oak floors, electric lighting (heating and plumbing reserved). Architect has received bids.

Residence, Ardmore, Pa. Architect, Wesley Blithe, 608 Chestnut street, Philadelphia. Owner's name withheld. Frame and plaster, 2½ stories, 30x40 feet, shingle roof, hot water heating, electric lighting, oak floors. Architect has received bids.

Manufacturing Buildings (6), Harrisburg, Pa. Architects, Day & Zimmerman, 608 Chestnut street, Philadelphia. Owners, W. O. Hickok Manufacturing Co., Harrisburg, Pa. Brick, steel, concrete, wood and iron, 1 and 2 stories, safety treads, composition roof, steel stack, composition floor, waterproofing, metal lath, metal frames and sash (heating and lighting reserved). Consists of main building, 2 stories, 150x263 feet; foundry, 1 story, 60x100 feet, lumber shed, 200x60 feet; pattern storage, 35x45 feet; power house, 35x40 feet; storage bins, 16x45 feet. Architects taking bids, due May 3rd. The following are figuring: F. A. Havens Co., 845 North Nineteenth street; H. E. Baton, Twelfth and Sansom streets; A. Whitehead, Inc., 1624 Latimer street, all of Philadelphia; Turner Const. Co., 11 Broadway; Howes Const. Co., 105 West Fortieth street, New York City; W. D. Steinbach Sons, Lewistown, Pa.; Trussed Concrete Steel Co., Lancaster, Pa.; L. H. Focht & Sons, Reading, Pa.; S. W. Shoemaker & Son, 1515 North Sixth street; G. W. Ensign, Inc., 14 South Second street; Penn Const. Co., 122 Hoerner street, all of Harrisburg, Pa.; Sullivan & McNally Co., Patterson, N. J.

School, Ivyland, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Board of Education, Ivyland, Pa. Brick, 1 story and basement, 40x60 feet, shingle roof (heating and lighting reserved). Owners have received bids.

Armory Building, Lebanon, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre, Pa. Owners, State Armory Board, Major Deming, Harrisburg, Pa. Brick and steel, 1 and 2 stories, 60x80 feet and 50x36 feet, slag roof (heating, plumbing and electric work separate bids). Owners taking bids, due May 11th.

School Building, Harrisburg, Pa., \$90,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Harrisburg, Pa. Brick, steel and stone trimmings, 3 stories, slag roof, electric lighting, mechanical heating and ventilating. Plans in progress.

Ice Manufacturing Plant, Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, Merchants' Ice Co., Harrisburg, Pa. Hollow tile and concrete, 1 story, 58x170 feet, slate roof, electric lighting, concrete floors, waterproofing and damp-proofing. Architect taking bids, due April 29th.

Store and Apartments, Carlisle, Pa., \$10,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, J. Weiner, Carlisle, Pa. Brick, 3 stories, 20x105 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence (alt. and add.), Huntingdon, Pa., \$15,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Thomas F. Bailey, Huntingdon, Pa. Brick, 2½ stories, 52x90 feet, slate roof, hot water heating, electric lighting, hardwood floors,

tile work. Plans about completed. Architect will take bids in a few days.

Factory and Warehouse, Boyd, Pa. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owner, Boyd Estate, Harrisburg, Pa. Stone, 3 stories, 36x50 feet, slate roof, electric lighting. Owners will sub-let all contracts.

Residence, Cavelyn, Pa., \$5,000. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owner, James W. Barker, Harrisburg, Pa. Stone, 1 story, 36x70 feet, composition roof, hot air heating, electric lighting. Architect is sub-letting all contracts.

Masonic Temple (alts.), Harrisburg, Pa., \$5,500. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Harrisburg Consistory, Harrisburg, Pa. Consists of general interior alterations. Plans about completed. Architect will take bids in a few days.

Store Building (alt. and add.), Carlisle, Pa., \$12,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Todd Estate, Carlisle, Pa. Brick, 1½ stories, 40x200 feet, composition roof, steam heating, electric lighting. Plans completed. Architect ready for bids.

Lodge Building, Harrisburg, Pa., \$11,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Brotherly Love, G. U. O., Odd Fellows, Harrisburg, Pa. Brick, 3 stories, 46x57 feet, composition roof, steam heating, electric lighting, damp-proofing. Architect taking bids. The following are figuring: Stuckey & Sons, South Arlington, Pa.; W. E. Bushey, Harrisburg, Pa.; J. C. Stricter, Enola, Pa.

School, Fairview Township, York County, Pa., \$10,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, School Board, care of John Greenfield, chairman, Siddonsburg, Pa. Brick, 3 stories, 50x100 feet, slag roof, slate blackboards (heating, plumbing, electric work separate bids). Owners taking bids, due May 1st. The following are figuring: W. E. Roebuck, C. W. Strayer, all of Harrisburg, Pa.; H. C. Wright, Steelton, Pa.; Stuckey & Sons, South Arlington, Pa.; G. W. Millard, Lisbon, Pa.

Club House, Allentown, Pa., \$35,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owners, Odd Fellows, Allentown, Pa. Brick, stone trimmings, 4½ stories, 40x150 feet, slag roof, steam heating. Architects taking bids, due May 6th. The following are figuring: William H. Gange, were, Ritter & Smith, A. Albright & Son, Gery & Peters, H. Heimbach, Butz & Clader, Ochs Construction Co., Jacob A. Nagle, W. A. Stein & Co., Kratz & Son, all of Allentown, Pa.

Church, Allentown, Pa., \$12,000. Architect, E. M. Pickin, Hunsicker Building, Allentown, Pa. Owners, First Mennonite Church, Rev. Boyer, Allentown, Pa. Brick and terra cotta, 2 stories, 40x60 feet, slate roof, steam heating, electric lighting. Architect taking bids. Kratz & Son, Allentown, Pa., and Marcus G. Reinhard, Emaus, Pa., are figuring.

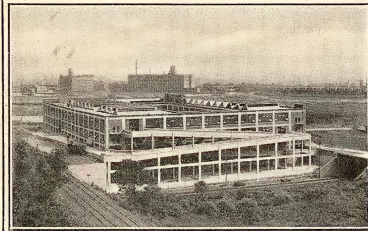
Church, Shenandoah, Pa., \$16,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, United Evangelical Church, Shenandoah, Pa. Frame, 2 stories, 41x75 feet, slate roof, steam heating, electric lighting. Plans in progress. Architect and owners will take bids in two weeks.

Hotel (add.), Easton, Pa., \$20,000. Archi-

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

tect, Edward H. Wenzelberger, Easton, Pa. Owners, Hotel Huntington, John B. Renwick, proprietor, Centre Square, Easton, Pa. Brick and steel, 3 stories, 30x80 feet, slag roof, vapor vacuum heating, electric lighting, tile work, metal lath. Plans in progress.

Residence, Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Howard Knecht, Bethlehem, Pa. Brick and stucco, 3 stories, 40x38 feet; wing, 32x18 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

High School (add.), Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Board of Education, Bethlehem, Pa. Brick, 1 story, 88x63 feet, slag roof, electric lighting. Plans about completed. Owners will take bids in a few days.

Rectory (alt. and add.), Whitemarsh, Pa. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owners, St. Thomas' Church, Whitemarsh, Pa. Stone, 2½ stories, slate roof (heating and electric work reserved). Architects taking bids, due April 30th. The following are figuring: Specht & Sperry, Heed Building; W. H. Carr, 6004 Germantown avenue; P. A. Sorensen, 422 North Twelfth street, all of Philadelphia; Walter Shaeff, Blue Bell, Pa.; David McCork, Flourtown, Pa.

Residence, Beth Ayres, Pa. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owner, Walter McFarland, care of architects. Hollow tile and plaster, 2½ stories, 20x45 feet, shingle roof, steam heating, electric lighting. Architects have received approximate bids and will soon start final plans.

Receiving Station, Gordonville, Pa. Architect, Walter Smedley, Stephen Girard Building Philadelphia. Owner, Ed. W. Woolman, 4709 Lancaster avenue, Philadelphia. Hollow tile, 1 story, 30x60 feet, composition roof, metal lath, electric lighting. Architect taking bids, due April 28th. R. C. Ballinger & Co., 215 North Thirteenth street, Philadelphia; Joseph Aiken, Bantide, Pa.; C. Lichty, Paradise, Pa.; W. J. Elliott, Coatesville, Pa., are figuring.

Garage, Haverford, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Miss A. Hartshorne, Haverford, Pa. Hollow tile and plaster, 2½ stories, 22x

30 feet, shingle roof, electric lighting, hot water heating. Architects taking bids, due May 1st. The following are figuring: Gray Bros., Rosemont, Pa.; Sireth & Wood, 1708 Sansom street; George L. Croll, Rosemont, Pa., and W. H. Roberts, Newtown Square, Pa.

Restaurant and Apartments, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, George Shober, 305 Market street, Chester, Pa. Brick and plaster, 2½ stories, 27x100 feet, slag roof, steam heating, electric lighting, tile work. Architect taking bids, due May 1st. The following are figuring: Nolan Bros., W. G. Price, Samuel Howes, all of Chester, Pa.; Joseph Bird Co., 213 North Eleventh street, Philadelphia.

Twin Residence, Easton, Pa., \$10,000. Architect, William Michler, Easton, Pa. Owner, Edward J. Troy, Easton, Pa. Brick, 2½ stories, 47x53 feet, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking bids.

Theatre (alt. and add.), Oxford, Pa. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner, Joseph Crowl, Oxford, Pa. Brick, 1 story, 60x130 feet, slag roof, steam heating, electric lighting, metal lath. Plans in progress.

High School, Towanda, Pa. Architects, Pierce & Bickford, Elmira, N. Y. Owners, Board of Education, Towanda, Pa. Brick and concrete, 3 stories, 98x150 feet, slag roof, metal lath, composition floors (heating, plumbing and electric work separate bids). Owners taking bids, due May 1st. The Beard Construction Co., Berks County Trust Building, Reading, Pa., is figuring and desires sub-bids.

Pennsylvania Contracts Awarded

Garage, Narberth, Pa. Architects, Peabody & Stearns, Boston, Mass. Owner, Percival Roberts, Jr., Narberth, Pa. Stone, 1 and 2 stories, 68x88 feet, slate roof, electric lighting, hot water heating. Contract awarded to George J. Watson, 905 North Marshall street, Philadelphia.

Residence, Harrisburg, Pa., \$6,000. Archi-

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street

PHILADELPHIA - PA.

tect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, Mrs. Parthine D. Wright, Harrisburg, Pa. Hollow tile and stucco, 2½ stories, 29x40 feet, slate roof, electric lighting, vapor heating, tile work, hardwood floors, dampproofing. Contract awarded to E. A. Pleisher & Son, Marysville, Pa.

Residence, Harrisburg, Pa., \$5,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Daniel Weinhold, Harrisburg, Pa. Brick, 2 stories, 24x32 feet, slate roof, hot water heating, electric lighting. Contract awarded to J. C. Stricter, Enola, Pa.

Department Store (alt. and add.), Harrisburg, Pa., \$40,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Bowman & Co., Harrisburg, Pa. Brick and terra cotta, 6 stories, 28x105 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing and waterproofing. Contract awarded to C. W. Lady, Harrisburg, Pa.

Store and Apartments, Millersburg, Pa., \$35,000. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owners, Brubaker Bros., Millersburg, Pa. Brick, stone trimmings, 3 stories, 50x65 feet, composition roof, steam heating, electric lighting, tile work, metal lath. Contract awarded to H. Helwig, Millersburg, Pa.

Engine House, Harrisburg, Pa., 37,500. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, City of Harrisburg, City Hall, Harrisburg, Pa. Brick, 2 stories, 25x72 feet, composition roof, steam heating, electric lighting, cement floors. Contract awarded to Barnhardt & Co., Harrisburg, Pa.

Residence, Easton, Pa., \$8,500. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owner, Asher Seip, Easton, Pa. Hollow tile and stucco, 2½ stories, 30x44 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors, dampproofing. Contract awarded to Asa Smith & Son, Easton, Pa.

Store and Apartments, Stroudsburg, Pa., \$25,000. Architect, William Michler, Easton, Pa. Owner, A. R. J. Wallace, Stroudsburg, Pa. Brick, 3 stories, 40x150 feet, slag roof, steam heating, electric lighting. Contract awarded to Shiffer Bros., Stroudsburg, Pa.

Bridge, Parkland, Pa. Architect, private plans. Owners, Philadelphia and Reading R. R. Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 95 feet long by 10 feet wide. Contract awarded to Keystone Structural Co., Harrison Building, Philadelphia.

Residence, Bethayres, Pa., \$30,000. Architects, Brockie & Hastings, 1713 Sansom street,



TO MEET THE INCREASED DEMAND
we have just completed another large lot of our 1915 Model
"Sterling" Convertible Builders' Levels
and we are again in position to make IMMEDIATE DELIVERIES.
The new TIME-SAVING FEATURES are WORTH INVESTIGATING, and
you are invited to visit our Factory and examine the most PRACTICAL, SERVICE-
ABLE and EFFICIENT Level Made!

WARREN-KNIGHT COMPANY

Factory and Salesroom

136 N. TWELFTH STREET

PHILADELPHIA

"World's Greatest Workshop"

Philadelphia. Owner, Joseph Wharton Lipincott, Sixth and Locust streets, Philadelphia. Stone, 2½ stories, 80x29 feet, shingle roof, oak floors, tile work, warm air heating, electric lighting, metal weather strips. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

Club House (add.), Lancaster, Pa. Architect, H. H. Aungst, 10½ East Orange street, Lancaster, Pa. Owners, Knights of Malta, care of C. S. Martin, Secretary, Lancaster, Pa. Brick, 3 stories, 30x90 feet, slate roof, steam heating, electric lighting, composition floors, metal lath, dampproofing. Contract awarded to Stumpf- & Son, Lancaster, Pa.

Apartment House (alt. and add.), York, Pa., \$10,000. Architect, J. H. McClymont, Leh-mayer Building, York, Pa. Owner, H. D. Rupp, Rupp Building, York, Pa. Brick, 3 stories, 33x70 feet, slag roof, steam heating, electric lighting, tile work. Contract awarded to S. F. Glatfolter, Small Building, York, Pa.

Residence, Hanover, Pa., \$12,000. Architect, Robert A. Sair, Jr., Guardian Trust Building, York, Pa. Owner, H. W. Young, Hanover, Pa. Brick, 2 stories, 45x30 feet, slate roof, electric lighting, hardwood floors, tile work (heating reserved). Contract awarded to William J. Klunk, Hanover, Pa.

Residence, Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Frank Achenback, Pottstown, Pa. Hollow tile or brick and plaster, 2½ stories, 35x40 feet, slate roof, hot water heating, electric lighting, hardwood floors. Contract awarded to William H. Wiand, Pottstown, Pa.

Residence, Merion, Pa., \$20,000. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, W. H. Steigerwalt, Merion, Pa. Stone and plaster, 2½ stories, 107x50 feet, slate roof, electric lighting, vapor vacuum heating, oak floors, metal lath. Contract awarded to J. E. Kearney, 327 North Sixty-third street, Philadelphia.

School, Johnsonburg, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Johnsonburg,

Pa., care of J. P. Brophy, President. Brick and stone, fireproof, 2 stories and basement, 80x116 feet, slag roof (heating, electric lighting, plumbing and ventilating system reserved), metal lath, safety treads, composition floors. Contract awarded to Hyde-Murphy Co., Ridgway, Pa.

Residence (alt.) and Garage, Ridley Park, Pa. Architects, Bunting & Shrigley, 608 Chestnut street, Philadelphia. Owner, Col. G. F. Hamlin, Ridley Park, Pa. Brick, 1½ stories, 20x28 feet, slate roof, electric lighting, hot water heating, gasoline storage. Contract awarded to Pomeroy Construction Co., 1609 Ranstead street.

Residence (alt. and add.), Ridley Park, Pa. Architects, Bunting & Shrigley, 608 Chestnut street, Philadelphia. Owner, Mrs. J. D. Shattuck, Ridley Park, Pa. Brick and frame, 1 story (heating and lighting reserved). Contract awarded to Pomeroy Const. Co., 1609 Ranstead street, Philadelphia.

Residence (alt. and add.), Gradyville, Pa., \$60,000. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Walter M. Jeffords, 2300 Delancey street, Philadelphia. Stone, 2½ stories, 2 wings, 45x90 feet, electric lighting (heating reserved), shingle roof, cork and oak floors, damp-proofing and waterproofing. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Residence, Lansdowne, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Thomas Satterthwait, Lansdowne, Pa. Stone and frame, 2½ stories, 38x76 feet, slate roof, canvas roof (hot water heat and electric lighting reserved). Contract awarded to B. F. Willard, West Grove, Pa.

Y. M. C. A., Abington, Pa., \$50,000. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owners, Y. M. C. A., Abington, Pa. Brick and terra cotta, 2 stories, 64x40 feet and 20x60 feet, asbestos and slate roof, waterproofing, enameled bricks. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

J., \$15,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Brick, 1 story, 30x30 feet, slag roof, hot water heating, electric lighting, metal lath, shower baths, iron cells. Ready for bids.

Police Station (alt. and add.), Trenton, N. J., \$10,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Brick, 1 story, 40x80 feet, slag roof, steam heating, electric lighting, metal lath, shower baths. Ready for bids.

Club Roome (alts.), Trenton, N. J., \$2,000. Architect, J. Osborn Hunt, Interstate Telephone Building, Trenton, N. J. Owners, Carteret Club, Commonwealth Building, Trenton, N. J. Consists of gypsum block partitions, electric lighting and mill work. Plans in progress.

Church (alt. and add.), Trenton, N. J., \$10,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, Christ Episcopal Church, Rev. Robert W. Trenbath, 324 Hamilton street, Trenton, N. J. Stone, 1 story, 20x60 feet, slate roof, electric lighting, tile work. Revised plans in progress.

Residences (4), Trenton, N. J., \$4,500. Architect, private plans. Owner, Frank Giedlinski, 19 Wayne avenue, Trenton, N. J. Brick, 2½ stories, 14x30 feet each, slate and tin roofs, hot air heating, gas lighting. Owner taking sub-bids.

Hospital (add.), Trenton, N. J., \$50,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State Hospital for Insane, L. F. Atchley, Warden, Trenton, N. J. Brick, 3 stories, 34x250 feet, slag roof, steam heating, electric lighting, composition floors, dampproofing, elevators, iron stairs, metal lath, enameled brick, safety treads. Consists of kitchen wing and administration building. Owners will re-advertise for bids.

New Jersey

Contracts Awarded

Bank Building, Clayton, N. J., \$10,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Clayton National Bank, Clayton, N. J. Stone, 1 story, 28x40 feet, slate roof, hot water heating, electric lighting, banking fixtures. Contract awarded to Petersen Construction Co., Clayton, N. J.

Shop, Meadow Yards, N. J. Architect, private plans. Owners, Pennsylvania Railroad Co., Jersey City, N. J. Brick and concrete, 1 story, 116x152 feet, slag roof, waterproofing. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

Garage, Riverton, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, James Coale, Riverton, N. J. Hollow tile and plaster, 2½ stories, 25x25 feet, shingle roof, electric lighting, bond. Contract awarded to Joseph Kolster, Beverly, N. J.

Residence (alt. and add.), Pemberton, N. J. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owner, Theodore H. Budd, Pemberton, N. J. Brick and plaster, 2½ stories, hot water heating, electric lighting, oak floors. Contract awarded to J. S. Rogers Co., Moorestown, N. J.

Platform and Shelter Sheds Rahway, N. J., \$24,000. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Concrete, steel, 1 story, 300 feet long, slag roof, electric light. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

(Continued on page 274.)

NEW JERSEY

Construction News

Office Building, 530-532 Market street, Camden, N. J., \$35,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner's name withheld. Brick and terra cotta, 4 stories, 36x180 feet, slag roof, steam heating, electric lighting, composition flooring, metal lath. Plans about completed. Architects will take bids early part of May.

School (alts.), New Egypt, N. J., \$5,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, New Egypt, N. J. Consists of new concrete stairs and warm air heating system. Owners taking bids, due May 11th.

Residence (alt. and add.), Glassboro, N. J., \$2,500. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner, John Dilks, Glassboro, N. J. Frame, 2 stories, 14x14 feet, slate roof, hardwood floors. Plans completed. Architects ready for bids.

Residence, 1131 North Nineteenth street, Camden, N. J. Architect, private plans. Owner, William Yeager, 1467 Haddon avenue, Camden, N. J. Frame, 2 stories, 14x39 feet, tin roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Residences (25), Wildwood avenue, Camden, N. J. Architect, private plans. Owners, Smith Anstermuhl Co., 529 Market street, Camden, N. J. Brick, 2 stories, 14x44 feet each, slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Residences (6), Kenwood avenue, Camden, N. J. Architect, private plans. Owners, Radcliffe & Weitzman, 1130 Haddon avenue, Camden, N. J. Brick, 2 stories, 15x52 feet each, slag roofs, hot air heating, gas lighting. Owners are sub-letting all contracts.

Picture Theatre, Oxford, N. J. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, Dr. Hoagland, Oxford, N. J. Frame and galvanized iron, 1 story, 30x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Hotel (alt. and add.), Spring Lake, N. J. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, New Monmouth Hotel, Spring Lake, N. J. Brick, 5 stories, slate roof (heating and lighting reserved). Plans in progress.

Residence, Trenton, N. J., \$3,500. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Miss Anna M. Fell, 486 West State street, Trenton, N. J. Brick, 2 stories, 24x36 feet, slate roof, hot water heating, electric lighting. Architect taking sub-bids.

Receiving House, Trenton, N. J., \$3,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owners, McKinley Receiving Home, Brunswick avenue, Trenton, N. J. Shingle and frame, 2 stories, 36x24 feet, shingle and slate roof, hot air heating, electric lighting. Architect sub-letting all contracts.

Police Station (alt. and add.), Trenton, N.



SAUMS PRESERVATIVE



APPLIED ON ALL WOOD FLOORS IN THIS BUILDING



Home for the Aged
Trenton, N. J.

*Kleeman & Fowler, Architects
Trenton, N. J.*

SAUMS PRESERVATIVE was selected by the Architects and Owners, after investigating Materials that would Protect Floors against Disintegration caused by Disinfectants used in Cleaning Compounds.

PREVENTS DRY ROT AND SPLINTERING
PERMANENT

THE SAGENDORPH COMPANY, Inc.

131-133 SOUTH 24th STREET

:

:

PHILADELPHIA, PA.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 624-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., APRIL 28, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbocker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors..... { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Macgonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Broekie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John F. Harbeson
Vice-President.....Herman L. Duhring
Secretary.....Frederick A. Muhlenberg
Treasurer.....Walter Mellor
Directors—Clarence C. Zantzinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

New York City is facing the possibility of having to assess taxes on millions of dollars worth of real estate heretofore held exempt under what is known as the general tax law of 1896.

This law, famous it should be called, known as Chapter 908, section 4, provides as follows: "Real property of a corporation or association organized for the moral or mental improvement of men or women or for religious, Bible, tract, charitable, benevolent, missionary, hospital, infirmary, educational, scientific, literary, library, patriotic, historical or cemetery purposes or for the enforcement of laws relating to children or animals, or for two or more such purposes, and used exclusively for carrying out thereupon one or more of such purposes, and the personal property of any such corporation or association, shall be exempt from taxation. But no such corporation or association shall be entitled to any such exemption if any officer, member or employee thereof shall receive or may be lawfully entitled to receive any pecuniary profit from the operations thereof, except reasonable compensation for the duties performed."

Under the provisions of this philanthropic statute Father Knickerbocker has had many applications for relief, so many, in fact, that private property interests, sore-pressed by the exactions of the tax-gatherers, have begun to rebel. The result is a bill pending at Albany, introduced by Assemblyman John Leo Sullivan, which provides for the taxing of all property now exempt. Whether it is a good measure or not remains to be seen. There is undoubtedly a strong disposition among holders of taxable property to favor its enactment due, in large part, to the abuses which have arisen under the exemption privilege.

Those who would not be considered under the only ruling had no trouble getting exemption under the 1896 law. Since amendments have been made which have made it possible for the Masonic Temple, at the northeast corner of Sixth avenue and Twenty-third street, to be exempted. The property is valued at \$3,165,000, but as the proceeds from the building go to support the Masonic Home up State, it is entitled to exemption. The Knights of Columbus, which is a religious association claiming exemption under the law, has not been able to get the Tax Commissioners to exempt its clubs and property. The income from the properties does not seem to be used as demanded under the law to be entitled to free taxes.

* * *

Uncle Sam owns much realty in New York, on which he pays no taxes. Last year his holdings here were valued by Father Knickerbocker's agents at \$66,331,900. Two years previous Government property in New York was valued at \$75,941,300. Last year his most

valuable holding was the post office, which was valued at \$16,840,700. The navy yard is next, with a valuation of \$15,153,000. In 1912 the navy yard was valued at \$26,951,000. In 1913 it dropped in valuation to \$15,131,000. Just what Uncle Sam owns in New York City on which he pays not a cent taxes is as follows:

Forts	\$12,831,000
Navy Yard	15,153,000
Post Offices	16,840,000
Custom House	8,176,000
Public places	149,500
Lighthouses	685,700
Barge Office	850,000
Army Building	810,000
Assay Office	2,500,000
Treasury	5,750,000
United States Appraiser's Stores..	1,400,000
Government land under water ...	126,000
Cemeteries	1,060,000
Total	\$66,331,900

New York State owns comparatively little real estate in Father Knickerbocker's city. It is chiefly depots for the supply of the National Guard regiments in the city. In all the State's holdings in New York City are \$3,298,025.

* * *

It is due, to the general tax law of 1896 that the value of properties other than those held by the Government, State and municipal authorities on the exempt list last year reached the height of \$381,230,578. Most of this amount represents properties held for religious purposes. The following table shows the generosity of Father Knickerbocker last year to institutions in New York City:

Churches, synagogues, monasteries, convents, mission and parish houses, including parochial schools, theological seminaries and cemeteries located on church lots	\$188,921,725
Asylums and homes.....	33,195,708
Hospitals, infirmaries and dispensaries	34,947,930
Christian, social, moral and mental, benevolent associations and aid societies, nurseries, settlement and lodging houses and Salvation Army properties....	36,053,160
Colleges, schools, academies and training schools	45,604,550
Cemeteries	28,099,270
Libraries, other than city.....	3,833,000
Parsonages	1,139,200
Agricultural societies	15,500
Pensioners	592,346
Clergy	346,150
Rapid Transit Subway.....	8,482,042
Total	\$381,230,578

That public sentiment is perceptibly veering around to the opinion that many of the institutions held exempt should be made to pay their just and equitable share of the enormous expenses of running great modern municipalities, there is evidence on all sides. Here in Philadelphia a tremendous furore arose not long ago over the disclosure that large and valuable parcels of realty belonging to the public service corporations were tax-free. Common Councilman Morris E. Conn developed the fact that Bell Telephone, Pennsylvania Railroad, Philadelphia Rapid Transit, Philadelphia and Reading Railroad, Keystone Telephone and a host of smaller public utility corporations were getting off scot free on the question of taxes under some sort of a ruling that being subject to a direct tax as corporations they could not be held doubly liable. There is no doubt whatever that this privilege of tax exemption is being abused here as elsewhere. The growing demands of big cities, with their constantly expanding budgets, makes it certain that, sooner or later, this exemption abuse is destined to come up for inquiry and adjustment. As throwing light upon the inner workings of this most recent of municipal developments, the New York bill will be watched with interest by students of municipal management. It may be stated, with certainty, that the time is rapidly approaching in modern cities when something of a radical departure must be made to relieve the burden now being carried by private holdings.

* * *

That, even in the earlier days of the craft, architects put good name above money is shown by a quotation from Vitruvius, an architect of the Augustan age of Rome, whose work has been translated by Professor Morris Hickey Morgan, of Hartford. Said Vitruvius:

"For my part, Caesar, I have never been eager to make money by my art, but have gone on the principal that slender means and a good reputation are preferable to wealth and disrepute. For this reason, only a little celebrity has followed; but still, my hope is that, with the publication of these books, I shall become known even to posterity. And it is not to be wondered at that I am so generally unknown. Other architects go about and ask for opportunities to practice their profession; but I have been taught by my instructors that it is the proper thing to undertake a charge only after being asked, and not to ask for it; since a gentleman will blush for shame at petitioning for a thing that arouses suspicion. It is in fact those who can grant favors that are counted, not those who receive them. What are we to think must be the suspicions of a man who is asked to allow his private means to be expended in order to please a petitioner? Must he not believe that the thing is to be done for the profit and advantage of that individual?"

* * *

It is generally conceded that in New York City the building of tall structures has been carried to an extreme. It is a trifle discon-

certing just the same to have a prominent New York realty man come right out over his own signature with the declaration that space above the second floor rarely pays more than interest on the investment, plus depreciation, and that his own firm has decided to build nothing above two stories unless a responsible tenant may be had who will pay a rent sufficiently high to amortize the upper stories within the period of the lease.

William E. Harmon, head of Wood, Harmon & Co., in a letter which he wrote not long ago to the New York Board of Estimate, said:

"To my mind, it has been thoroughly demonstrated that the space above the second story rarely, if ever, pays more than interest on the cost, plus depreciation of the building, and bears no part of the burden of the land. A good many years ago we decided, after the carefullest study, to construct no buildings over two stories in height unless we had a responsible tenant who would pay a rent sufficiently high to amortize the upper stories within the period of the lease. We build such structures on land ranging as high as \$30 or \$40 a foot, and have never seen any reason to regret our decision; in fact, the precedent we set has either been followed by, or simultaneously adopted by such men as, in my opinion, represent the shrewdest real estate investors in the country.

"Our policy, it must be admitted, is extreme, but so far it has proven sound, for while I have been an opponent of high building investment for many years, each year increases the number of large property owners who share our conviction. From the point of view of the city the most serious effect from high buildings is the menace on surrounding property. If a limitation were established that would keep all the buildings to a moderate level, practically all available space would be improved.

"I think there are less than a dozen high buildings in the United States ten years old that are paying 6 per cent. on the investment, with a fair amortizing sinking fund, and as all possible increment is destroyed when such a building is constructed, 6 per cent. is a very low return to expect from the investment point of view. I think it will also be found that such buildings as are paying in this country are either in the extreme West, possess an exceptional control over tenants desiring space, or were built during a period of low costs."

* * *

A paper on "The Relation of the Architect and the Engineer," read by D. D. Kimball, President of the American Society of Heating and Ventilating Engineers, before the Pittsburgh Chapter of the American Institute of Architects, presents certain interesting conclusions with reference to the remuneration which, in Mr. Kimball's judgment, should be allowed from this class of collaborative talent.

"If the architect receives 6 per cent. on a piece of work the engineer should also receive 6 per cent. upon his portion of the work," writes Mr. Kimball, "or if the architect re-

ceives 5 per cent. the engineer should also receive 5 per cent.

"Some architects are in the habit of asking owners to pay 5 per cent. or 6 per cent. extra on the cost of the engineering equipment where engineering services are employed. Others ask the owner to pay 2½ per cent. or 3 per cent. I have discussed this matter with many architects, and in the majority of cases there is an agreement of opinion that while the owner directly receives the benefit of the engineering services and may, therefore, be reasonably asked to pay the extra cost to the architect, there is no justification for asking the owner to pay a full 5 per cent. or 6 per cent. extra, for the architect is certainly saved some expense in the making of plans and specifications and supervision of the work, and he is not called upon to give of special training, experience or knowledge on this work.

"If the owner pays the architect 6 per cent. on the cost of the complete structure, including the engineering equipment, and is then asked to pay 6 per cent. extra on the cost of the engineering equipment for the services of the engineer, he is somewhere paying for more than he is getting, for is it not true that not both the architect and engineer are called upon to give the same knowledge and experience or are put to the full expense of making the plans and specifications and supervising the installation of the engineering equipment? The engineer certainly is put to the full expense customary in professional services of this nature, and the architect is put to a certain but not equal expense. Therefore, a logical conclusion would seem to be that the engineer should be paid a full fee and that the architect should be paid in proportion to the expense to which he is put, plus the usual profit. Thus the owner gets full value of what he pays.

* * *

"An arrangement which has many times proven satisfactory provides an extra pay-

(Continued on page 276.)

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



NEW JERSEY CONTRACTS AWARDED.

(Continued from page 270.)

Water Works (add.), Clinton, N. J., \$7,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State of New Jersey. Contracts awarded: Part No. 1, to New York Sewage Disposal Co., 37 East Twenty-eighth street, New York City; Part No. 2, to J. P. Everett, Hackettstown, N. J.

Church, Roebling, N. J., \$4,000. Architect, W. P. Endebrock, American Mechanics' Building, Trenton, N. J. Owners, St. Mary's R. C. Church, Rev. E. Lucaci, 730 Cass street, Trenton, N. J. Brick, 1 story, 28x45 feet, slate roof, electric lighting. Contract awarded to Randell Carty, Roebling, N. J.

Store and Residence, Trenton, N. J., \$5,000. Architect, private plans. Owner, William G. Cook, 76 North Clinton avenue, Trenton, N. J. Brick, 2 stories, 27x34 feet, tin roof, hot water heating; gas and electric lighting. Contract awarded to Thomas F. Donigan, 153 Hamilton street, Trenton.

Residence, Trenton, N. J., \$5,800. Architect, private plans. Owner, Joseph D. Wilson, Trenton, N. J. Frame, 2½ stories, 25x44 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Charles R. Randall, 43 Hermitage street, Trenton, N. J.

Work Shop (add.), Morris Plains, N. J., \$10,500. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State Hospital for Insane, Morris Plains, N. J. Brick and concrete, 2½ stories, 30x36 feet, slag roof, steam heating, electric lighting. Contract awarded to George Tilden, Plainfield, N. J.

Residences (6), Trenton, N. J., \$15,000. Architect, private plans. Owner, Fred T. Walters, Trenton, N. J. Frame, 2½ stories, 14x42 feet each, slate and tin roofs, hot air heating, gas lighting. Contract awarded to Daniel Etinger, Trenton, N. J.

We know lots of men who have made money without the aid of advertising, but they haven't made it since 1876.

MARYLAND Construction News

Church, Princess Anne, Md., \$16,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington, Del. Owners, Methodist Episcopal Church, Princess Anne, Md. Stone, 1 story, 80x94 feet, slate roof, steam heating, electric lighting. Plans completed. Ready for bids.

Residences (19), Guilford avenue and Barclay street, Baltimore, Md., \$16,000. Architect, private plans. Owners, J. P. Brandon & Bros., 700 East North avenue, Baltimore, Md. Brick, 2 stories, 22x34 feet each, slag roof, steam heating. Owners are sub-letting all contracts.

Residences (2), Powhattan avenue, Baltimore, \$5,000. Architect, F. R. Beall, 306 West Paul street, Baltimore. Owners, Macellan Building Co., 15 East Fayette street, Baltimore. Frame, 2½ stories, 24x40 feet each, slate roof, steam heating, electric lighting. Owners will take sub-bids.

Amusement Hall (add.), 19 and 21 South street, Baltimore, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, Arcade Amusement Co., Baltimore, Md. Brick, steel and terra cotta, fireproof, 1 story, 55x120 feet, slag roof, steam heating, electric lighting. Architect taking bids, due April 30th. The following are figuring: J. Henry Miller, Eutaw and Franklin streets; E. G. Turner, 15 East Fayette street; John Waters, 23 Center street; A. F. West, 15 East Fayette street; Cowan Building Co., 106 West Madison street; Burns & Russell, American Building, all of Baltimore, Md.

Residences (2), Mt. Washington, Md., \$6,000. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owners, Washington De-

velopment Co., 1318 Fidelity Building, Baltimore, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Roland Park, Md. Architect, E. L. Palmer, Roland Park, Md. Owner, Raymond S. Williams, Gaither Building, Baltimore. Brick and stucco, 35x35 feet, slate roof, hot water heating, hardwood floors, electric lighting, tile work. Architect taking bids. The following are figuring: E. G. Turner, 15 East Fayette street; G. Walter Tovell, McCulloh street and Eutaw place; Gustavus & Chambers, 729 Roland avenue, all of Baltimore, Md., and Roland Park Co., 408 Roland avenue, Roland Park, Md.

Residences (8), Hohenoff Parkway, Baltimore, \$12,500. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owners, Reliance Realty Co., Falls road, near Merryman avenue, Baltimore. Brick, 2 stories, slag and tin roofs, hot air heating. Owners taking sub-bids.

Residences (10), Falls road, near Forty-first street, Baltimore, \$13,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owners, Reliance Realty Co., Falls road, near Merryman avenue, Baltimore. Brick, 2 stories, slag and tin roof, hot air heating. Owners taking sub-bids.

Factory, Hagerstown, Md., \$50,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Pangborn Corporation, Hagerstown, Md. Brick, steel, concrete and terra cotta, fireproof, 1 and 2 stories, 100x190 feet, slag roofs, steam heating, electric lighting, electric crane. Plans about completed. Architects will soon take bids.

MARYLAND Contracts Awarded

School, Chestertown, Md., \$15,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care of Professor J. L. Smith, President, Chestertown, Md. Brick, 2 stories, 60x92 feet, slag roof, hot air heating, electric lighting, dampproofing, slate blackboards. Contract awarded to W. S. & A. M. Kulp, Chestertown, Md.

Store Building (alt. and add.), 106 West Lexington street, Baltimore. Architect, Otto Kubitz, Hoffman Building, Baltimore. Own-

er, Charles Williams, Roland Park, Md. Brick and steel, electric lighting. Contract awarded to J. J. Walsh & Son, 1533 Maryland avenue, Baltimore.

Warehouse, 511 South Sharp street, Baltimore. Architect, J. C. Spedden, 1640 Hanover street, Baltimore. Owner, J. J. Schlesinger, 2011 Madison avenue, Baltimore. Brick, 3 stories, 18x66 feet, slag roof, electric lighting, freight elevator. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Miscellaneous Construction News

Service Building, Buffalo, N. Y. Architect, Albert Kahn, Detroit, Mich. Owners, Ford Motor Car Co., Detroit, Mich. Brick, steel, terra cotta, concrete, 4 stories and basement, 100x190 feet and 100x281 feet, tile and composition roof, metal frames and sash, metal lath, safety treads, dampproofing and water-proofing (heating and lighting reserved). Architect taking bids, due April 30th. The following are figuring: Charles Gilpin, Harrison Building; Royhouse-Arey Co., Fidelity Building; Irwin & Leighton, 126 North Twelfth street, all of Philadelphia.

Residence (alts.), Wilmington, Del., \$15,000.

Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Lammet du Pont, Pennsylvania and Rising Sun lane, Wilmington, Del. Consists of conservatory and interior alterations, tile roof, electric lighting, tile work and mantels, steam heating extension. Plans in progress.

High School (add.), Wilmington, Del., \$135,000. Architect not yet selected. Owners, Board of Education, High School Building, Wilmington, Del. Brick, stone and steel, fireproof, 3 stories. Owners will select architect in a few days.

Residences (2), Wilmington, Del. Archi-

teet, private plans. Owner, Harry S. Lynch, 715 Tatnall street, Wilmington, Del. Brick, 2½ stories, 16x45 feet each, hot air or steam heating, electric lighting. Owner taking sub-bids.

Bridge, No. 12, Guyencourt, Del. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia and Reading Railroad Co., Twelfth and Market streets, Philadelphia. Concrete and steel, 20x28 feet, waterproofing. Owners taking bids, due April 30th. The following are figuring: A. L. Carhart, Hale Building; Brown-King Const. Co., Brann & Stuart, James McGraw Co., all three in the Commercial Building, Philadelphia; Reading Const. Co., 622 Court street, Reading, Pa.; Armstrong & Latta, Land Title Building; C. P. Bowers, Nineteenth and Courtland streets; Seeds & Derham, 6314 Wissahickon avenue, all of Philadelphia.

Residences (5), Wilmington, Del., \$15,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Robert M. Burns, 1010 Lombard street, Wilmington, Del. Brick, 2½ stories, 16x55 feet each, slag and tin roof, hot water heating, gas and electric lighting. Owner is taking bids.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

John Nicolas (O), 3845 National road. Chas. Gerecke (C), 7101 Torresdale avenue. Cost, \$3,450. Two dwellings, brick, 2 stories, 16x43 feet, National road.

Frank W. Van Horn (O), Bancroft and Morris streets. John Uber (C), 2230 South Beechwood street. Cost, \$3,000. Store and dwelling, brick, 2 stories, 19x87 feet, Nineteenth and Jackson streets.

J. H. Doughlass (O), 1910 North Croskey street. W. H. Wooters (C), 816 Allegheny avenue. Cost, \$3,000. Dwelling, brick, 2 stories, 32x50 feet, Greene and Hotter streets.

E. E. Wanklin (O), 1238 Rising Sun lane. C. M. Swartley (O), 6835 Ridge avenue. Cost, \$5,000. Garage, 1 story, brick, 49x183 feet, Ridge avenue and Dupont streets.

I. Woogman (O), 720 Morris street. Cost, \$10,000. Ten dwellings, brick, 2 stories, 14x25 feet, Philip and Cambria streets. Cost, \$12,000. Ten dwellings.

J. M. Peters (O), 116 North Nineteenth street. S. T. Challender (C), Westmont, N. J. Cost, \$2,700. Store and dwelling, brick, 2 stories, 18x30 feet, Frankford avenue and Pratt streets. Cost, \$5,000. Two stores and dwellings. Cost, \$2,700. One store and dwelling. Cost, \$2,800. One store and dwelling.

J. N. Fretz (O), Thirteenth and Medary avenue. Cost, \$3,500. Dwelling, brick, 2½ stories, 24x30 feet, Medary avenue and Camac street.

Southwark Const. Co (O), 360 Ritner street. Cost, \$41,600. Twenty-six dwellings, brick, 2 stories, 14x22 feet, American and Porter streets. Cost, \$4,000. Two stores and dwellings, brick, 2 stories.

E. L. Cuthbertson (O), 334 Roxborough avenue. G. W. Metzger (C), Roxborough, Philadelphia. Cost, \$10,500. Store, dwelling and office, brick, 2 stories, 24x40 feet and 31x22 feet, 440-66 Cresson street.

A. B. & C. F. Millett (O), 1116 Lindley avenue. Cost, \$37,800. Fourteen dwellings, brick, 2 stories, 16x51 feet, 5501 to 25 Marshall street. Cost, \$32,400. Twelve dwellings.

University of Pennsylvania (O), Thirty-fourth and Spruce streets. W. R. Chapman &

Miscellaneous Contracts Awarded

Residence, Wilmington, Del., \$10,000. Architects, Brown & Whiteside, Du Pont Building, Wilmington, Del. Owner, Linda P. Jones, Wilmington, Del. Hollow tile and stucco, 3 stories, 30x60 feet, slate or shingle roof, hot air heating, electric lighting, tile work. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Residence (alt. and add.), Greenville, Del. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington, Del. Owner, William Winder Laird, Du Pont Building, Wilmington, Del. Brick, 2½ stories, 48x28 feet, shingle roof, hot water heating, indirect electric lighting, hardwood floors, tile work. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Apartment House (alts.), Wilmington, Del., \$7,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner's name withheld. Consists of new plumbing and steam heating, electric lighting, tile work, metal lath, ornamental iron. Contract awarded to Charles J. Dougherty, 1809 Lincoln street, Wilmington, Del.

Sons (C), Fifteenth and Washington avenue. Cost, \$40,000. Library (add.), brick, 5 stories and basement, 331xx04 feet, Thirty-fourth and Spruce streets.

Frankford Checker Club (O), Frankford, Pa. J. F. Davies (C), 1215 Filbert street. Cost, \$12,000. Club house, brick, 2 stories, 30x39 feet, Overington and Griscom streets.

Joseph Cohen (O), 705 South Fourth street. M. Rudberg (C), 867 North Seventh street. Cost, \$3,300. Dwelling, brick, 3 stories, 18x42 feet, 708 South Fourth street.

P. Donohue (O), 1222 Christian street. A. Demarco (C), 1224 Christian street. Cost, \$2,600. Dwelling, brick, 3 stories, 16x26 feet, 1004 Christian street.

J. C. Enberg (O), 5634 Larchwood avenue. Cost, \$35,200. Sixteen dwellings. Cost, \$3,000. Dwelling, brick, 2 stories, 16x49 feet. Cost, \$4,400. Two dwellings. Cost, \$13,200. Six dwellings. Cost, \$35,200. Sixteen dwellings, Fifty-ninth and Haddington streets.

F. Storch (O), 1712 Wolf street. Cost, \$3,000. Dwelling, brick, 2 stories, 16x42 feet. Cost, \$48,000. Twenty-four dwellings. Cost, \$6,600. Two dwellings. Cost, \$3,000. One dwelling. Cost, \$48,000. Twenty-four dwellings. Cost, \$96,000. Forty-eight dwellings, 3301 North Second street.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

Don't expect outsiders to give you a big rating on a one-inch space.

Alterations and Additions

City of Philadelphia (O), Tenth and Reed streets. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$94,000. Prison. Cost, \$9,500. Prison, Tenth and Reed streets, and Holmesburg.

F. Cardellino (O), 830 Woodlawn avenue. A. M. Lance (C), Haines street. Cost, \$700. Dwelling, 830 Woodlawn avenue.

Polyclinic Hospital (O), Eighteenth and Lombard streets. J. S. Cornell & Sons (C), 233 Land Title Building. Cost, \$6,000. Hospital, Eighteenth and Lombard streets.

B. McGrath (O), 5914 Spruce street. T. L. Drummond (C), 2343 South Sixteenth street. Cost, \$1,200. Dwelling, 318 South Hicks street.

J. Bateman (O), Thirteenth and Cambria streets. F. K. Stahl (C), 2713 North Park avenue. Cost, \$650. Garage, Thirteenth and Cambria streets.

P. A. McClain (O), Moyamensing avenue and Tasker street. W. H. Morris (C), 711 South Fifty-second street. Cost, \$1,000. Storage, 242 Tasker street.

Weightman Estate (O), 1524 Chestnut street. J. S. Talley (C), 1931 Market street. Cost, \$3,500. Hotel, Twelfth and Arch streets.

Columbia Avenue Trust Co. (O), Broad and Columbia avenue. H. P. Schneider (C), 3713 York road. Cost, \$3,400. Two dwellings, 4810 Warrington avenue.

John Heinel (O), 4063 North Sixth street. William J. Jones (C), 2927 North Fifth street. Cost, \$900. Dwelling, 4063 North Sixth street.

City of Philadelphia (O), City Hall. Eugene Tourison (C), 1001 Chestnut street. Cost, \$6,500. Fire house, Sixty-first and Thompson streets.

M. A. Dudley (O), 5229 Chestnut street. McCloskey-Bahls (C), Hale Building. Cost, \$2,600. Dwelling, 5229 Chestnut street.

Joseph Krayicek (O), 1124 South Second street. J. Werka (C), 645 East Wishart street. Cost, \$600. Dwelling, 1124 South Second street.

A. S. Tourison (O), 7014 Boyer street. Cost, \$1,500. Garage. Cost, \$15,000. Dwelling, stone, 3 stories, 31x85 feet, Sedgwick and Anderson streets.

U. G. I. Co. (O), Broad and Arch streets. Cost, \$2,000. Manufacturing building, Twentyninth and Porter streets.

Charles Sall (O), 1529 Ridge avenue. S. Rosenberg (C), 716 Morris street. Cost, \$1,000. Store and dwelling, 1531 Ridge avenue.

Mason Estate (O), School Lane. J. Sims Wilson (C), 1125 Brown street. Cost, \$2,000. Tenant house, School lane, Germantown.

M. J. Hesch (O), 3346 Germantown avenue. Fischer Bros. (C), 3139 North Ninth street. Cost, \$1,500. Garage, 35x75 feet, brick, 1 story, slag roof, Ontario and Goodman streets.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . . —R. R. Shuman, in "Standard Advertising."

EDITORIAL COMMENT.

(Continued from page 273.)

ment of 2½ per cent. to 3 per cent. for engineering services, depending upon whether the architect's fee was 5 per cent. or 6 per cent.

"The payment of an extra 3 per cent. on the mechanical equipment of a building represents apparently an increase on the cost of the building of but three-tenths to seven-tenths of 1 per cent., but actually the employment of the independent engineer will save much more than this in the cost of installation and in the annual cost of operation and maintenance. The use of contractor's or manufacturer's plans and specifications will assuredly mean an increased cost of installation and operation much greater than the amount of the engineer's fee.

"By some it is contended that the architect's fee over the entire building should be increased sufficiently to include the cost of engineering services. The first objection to this lies in the popular, but mistaken, impression that the architect's fee is already extremely profitable and, consequently, a further general increase would be most unpopular. A second objection is that some architects would still not employ the engineer, while others would employ the cheapest talent. Again, in a hospital costing \$1,000,000 the entire equipment might represent 25 per cent. of the cost of the building, and in a cathedral costing the same sum the equipment might cost but 5 per cent. This difficulty would be experienced in fixing a rule or even in determining the correct fee in an individual case.

"The demand for a full extra fee on the mechanical equipment has many times led owners to separate entirely the architectural and engineering work, paying to the architect and engineer a full fee on the portion of the work assigned to each only.

"There is a disposition among certain engineers to argue that the construction of a building, including foundations, structural steel, walls, floors, partitions, spacing and equipment is largely an engineering problem and that, therefore, the entire commission should be placed in the hands of an engineer who should employ an architect to add the esthetic features to the plans.

"The adoption of an accepted method of procedure adhered to by all architects will materially lessen the force of such views.

* * *

"The lack of uniformity in the practices of architects in these matters has befogged the entire subject and prevented altogether the enlightenment of the owner.

"The schedules of fees of the American Institute of Architects provides that the owner shall pay extra for engineering fees where such services are required, but to the average owner this provision is ambiguous. It does not state the amount of such extra payment nor does it state to what class of work this rule is to be applied. Consequently some architects suffer extreme embarrassment in asking

for an extra payment for engineering services, while others, and I have one particularly in mind, unhesitatingly apply this rule on practically all occasions.

"Recently I have had three different experiences, all of the architects involved being members of the American Institute of Architects. In the first case I had the good fortune to be personally acquainted with five of seven members of the building committee. This gave me an unusual opportunity for this presentation of the American Institute of Architects' rule for extra payment for engineering services. I still believe that this rule could have been made effective in this case had not the selected architect volunteered to assume all of the expense of engineering services. In the second instance the president of the building committee was an intimate friend and was agreeable to paying extra for engineering services. The architect in this case volunteered to relinquish all claim to a fee on the engineering equipment, so that the engineer and architect were employed and paid separately. In the third case the committee had been brought to a point where they were prepared to pay extra for engineering services, when three architects volunteered to assume the expense of engineering services if they but be given the job.

"In the matter of payment to the engineer there is just as little uniformity of practice.

"Is there any reason why the method of payment provided for in the architects' schedule of charge should not be applied by the architect in making payments to the engineer, even to the payment of the usual proportion of the engineer's fee when the letting of the contract is delayed through no fault of the engineer, especially when the making of the plans and specifications for the engineering equipment by the engineer has been essential to the letting of the construction contract, and the architect has received his usual payment of the construction contract?"

* * *

It is a common occurrence for families that have lived in a house until it is neither clean nor habitable to overcome the difficulty by moving into another dwelling; but it is rare that we hear of a whole community doing it. Such, however, was the means whereby the Japanese solved the problem of providing sanitary accommodations for the residents of a filthy and unsanitary town. When the Japanese took over the island of Formosa they encountered the same sanitary problems that faced our Government in the Cuban cities just after the Spanish War. In Formosa, as in Cuba, the centres of population were for hundreds and hundreds of years breeding places for pestilence, without even the rudiments of a sanitary system. The little brown conquerors immediately turned their attention to remedying conditions in Formosa. Such a task, everywhere difficult, seemed at first impossible in at least one case. Tenkham, an important Formosa centre of trade, was found to be too dirty to be even moderately

healthful. It was decided that it would be less expensive and easier to remove the inhabitants to another site. Accordingly, 40,000 persons of Tenkham were ordered to prepare for removal from the infected and swampy ground on which the town stood and to take up their abodes on a hillside several miles away. On the hillside streets were laid out corresponding to those of the old town. Every property owner received a plot of land similar in size and position to what belonged to him before exchange. The new town was provided with sewers, sidewalks, public buildings, waterworks and even tramways, at the expense of the Japanese Government. The transfer was effected within a year, and without any great individual loss or hardship.—"Ambition."

The One That Gets the Trade.

The constant dropping water wears away the hardest stone,
The constant chewing bulldog masticates the toughest bone,
The constant cooing lover takes away the blushing maid,
And the constant advertiser is the one that takes the trade.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

Proposals**Bonds. Improvements. Equipment.**

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

REMOUNT DEPOT, Front Royal, Va., April 23, 1915.—Sealed proposals in triplicate for construction, including steam heat, electric light and plumbing of Double N. C. O. Quarters, Civilian Employee's Quarters, Isolated Quarters for Enlisted Men, Veterinary Ward, Colt Stable, Quartermaster Stable, Granary and Hay Sheds, Granary Office, Farm Implement Shed, Coal Shed and Oil House, will be received until 2 P. M. May 24, 1915. Information on application. Constructing Quartermaster.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 14, 1915.—Sealed proposals will be opened in this office at 3 P. M., May 15, 1915, for extension and remodeling of plumbing, etc., in the United States Post Office and Courthouse at Auburn, N. Y., in accordance with drawings and specification, copies of which may be obtained at this office, or at the office of the custodian, Auburn, N. Y., in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Acolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Fomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Gas Grates.

J. B. Spruance, 9 S. 18th st., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori-g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co., Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Wall Safes.

J. B. Spruance, 9 S. 18th st., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drrexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

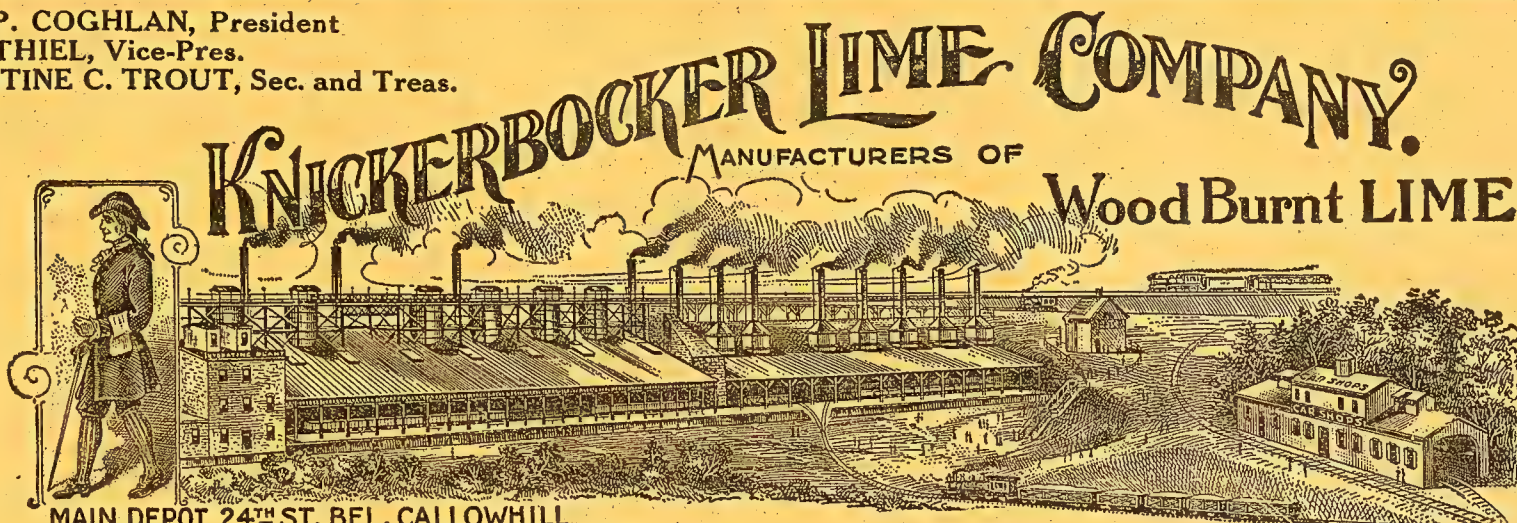
Rough Textured Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 18.

PHILADELPHIA, WEDNESDAY, MAY 5, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland Cement



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Courts, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

DESIGNS

DETAILS

CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

WATERPROOFING

A Complete Line of

Integral and Membrane
Waterproofings, Dampproofings
Floor Hardeners and
Technical Paints

MAY WE SOLVE YOUR PROBLEM?

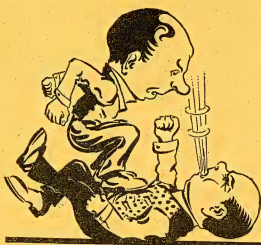
Catalog on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING
MATERIALS



"Get the Jump on
Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Strawbridge & Chase Co., Inc.
General Offices and Factory, AUDUBON, N. J.



"F-S" Products stand the
test of time.

Exceptional durability is a strong quality of our Elastic Gloss Finish. It is tough, as well as elastic. It dries free from dust in from 8 to 10 hours. It will prove worthy of your specification.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(113)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

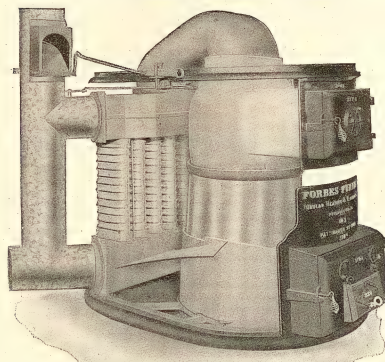
Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.
Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.
232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

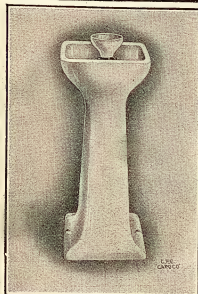


Plate 206 D

"CAPOCO"

Sanitary Vitreous Earthenware

Vitreous China Square
Pedestal Bubbler Drinking
Fountain, suitable for Hotels,
Hospitals, R. R. Stations and
all public places. We man-
ufacture a complete line of
Drinking Fountains.

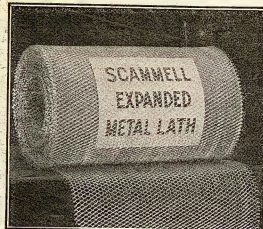
Write for *Catalogue D.*

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



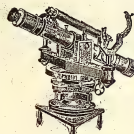
The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell
Expanded Metal Lath are
greater strength, increased
durability, smaller mesh, ap-
plied parallel with the furring,
no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing
Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Archi-
tects and Contractors.

12-inch achromatic telescope, cross hairs, sun-
shade and cap. Clamp and tangent to vertical axis,
horizontal circle to degrees,
by vernier to 5 minutes.

Other transmits from \$15

to \$116.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material
1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3803, 3604. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practi-
cally everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 18.

PHILADELPHIA, WEDNESDAY, MAY 5, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence and Store, Twentieth and Tioga streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, E. Reese, on premises. Brick and terra cotta, 2 stories, 45x100 feet, slag roof (heating and lighting reserved), metal lath, oak floors. Architects taking bids, due May 7th. The following are figuring: William R. Dougherty, 1610 Sansom street; F. E. Wallace, 1210 Sansom street; George Hogg, 1634 Sansom street; Thomas Little & Sons, 1713 Moravian street; P. Haibach Cont. Co., Twenty-sixth and Thompson street; Lam Building Co., 1001 Wood street, Philadelphia.

Residence (alt. and add.), 5917 Greene st., Germantown. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, George K. Allison, 423 West Cheltenham avenue, Philadelphia. Brick and plaster, 2½ stories, 18x75 feet, tin roof (heating and lighting reserved), oak floors. Architects taking bids, due May 10th. The following are figuring: I. A. Dunkelberger, 71 East Herman street; M. S. Oberholtzer, 5524 Pulaski avenue; Fred Elvidge & Sons, 5522 Germantown avenue; W. C. Wright, 22 East Harvey street; W. John Stevens, Wyncoote, Pa.

Picture Theatre, Thirty-first and Wilt sts., Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Northwest Realty Co., Thirty-first and Wilt streets, Philadelphia. Brick, concrete and terra cotta, 1 story, 44x125 feet. Plans about completed. Architects ready for bids in a few days.

Residences (4), Queen Lane, Germantown. Architect, Laurence V. Boyd, Harrison Building, Philadelphia. Owners, Queen Lane Land Co., Witherspoon Building, Philadelphia. Brick, 2½ stories, 28x35 feet, electric lighting, hot air heating, slate roof. Owners taking bids, due May 7th. The following are figuring: J. E. Walt, 204 East Willow Grove avenue; F. Elvidge & Son, 5522 Germantown avenue; W. John Stevens, Wyncoote, Pa.

Factory, Arch and Allison streets, Philadelphia. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Samuel Yellin, 217 Jefferson street, Philadelphia. Brick, 2 stories, 50x100 feet, slag roof (heating and lighting reserved). Architect taking

bids, due May 6th. The following are figuring: H. H. Burrell, 206 South Quince street; Graham-Campion Co., Heed Building; W. C. Wright, 22 Harvey street; J. J. Murphy Co., 1139 South Wilton street, Philadelphia.

Fermentation Building and alt. and add. to Distilling Building, Water and Snyder avenue, Philadelphia. Architects, Penckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Publicker-Ward Distilling Co., Water street and Snyder avenue. Brick and concrete, 2 stories, 65x100 feet, slag roof, iron stairs. Architects taking bids, due May 8th. The following are figuring: A. Whitehead, Inc., 1624 Latimer street; Barclay White Co., Perry Building; Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Garage (alt. and add.), Seventh and Dauphin streets, Philadelphia. Architect, Frederick J. Ritter, Washington Hotel, Seventh and Dauphin streets. Owner, P. Oliver Derr, on premises. Brick, 3 stories, 36x180 feet, electric lighting, steam heating. Plans in progress. Architect will take bids in one week.

Residence, Overbrook, Philadelphia. Architect, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, J. B. Townsend, 3rd, 2101 Pine street, Philadelphia. Stone, 2½ stories, 32x67 feet, shingle roof, oak floors, electric lighting (vapor vacuum heating separate bids). Architects taking bids, due May 6th. The following are figuring: Graham-Campion Co. and James H. Wells, both of the Heed Building; Metzger & Fisher, Denckla Building; A. L. Fretz & Sons, 1222 Chancellor street; Milton W. Young, Overbrook, Philadelphia; Gray Bros., Rosemont, Pa.

Automobile Show Rooms, 253-255 North Broad street, Philadelphia. Architect, C. E. Oelschlager, Harrison Building, Philadelphia. Owners, Benj. Alexander, Hale Building, and Roy Heymann, Land Title Building, Philadelphia. Brick and concrete, terra cotta, 6 stories, 48x120 feet, slag roof, electric lighting, steam heating. Architect taking bids, due May 6th. The following are figuring: A. R. Raff, 1635 Thompson street; Cramp & Co., Denckla Building; H. C. Rea Co., Denckla

Building; William R. Dougherty, 1610 Sansom street; F. A. Havens Co., 845 North Nineteenth street; I. T. Shoemaker, 1309 Walnut street; George F. Pawling Co., Broad and Vine streets; William Steele & Sons Co., Sixteenth and Arch streets; P. J. Hurley, 1233 Cherry street; Freund-Seidenbach Co., Bulletin Building, Philadelphia.

Residence, Overbrook, Pa. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, De Witt Irwin, City Line and Lancaster avenue, Philadelphia. Stone, 2½ stories, 28x60 feet, shingle roof, hot air heating (heating, plumbing and electric work reserved). Architects taking bids, due May 5th. The following are figuring: Specht & Sperry, Heed Building; Alfred James, Bala, Pa.; H. L. Brown, 1714 Sansom street; F. B. Davis, 240 North Sixteenth street, Philadelphia; Milton W. Young, Overbrook, Pa.; W. John Stevens, Wyncoote, Pa.

Church, Thirteenth and Ruscomb streets, Philadelphia, \$60,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Muhlenberg Memorial Lutheran Church, Rev. Jerome M. Guss, 5125 North Marvine street, Philadelphia. Brick and stone, 1 and 2 stories, 90x127 feet asbestos roof, vapor vacuum heating, electric lighting, metal lath, waterproofing and dampproofing. Architect taking bids. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; Burd P. Evans & Co., Thirteenth and Wallace streets; A. R. Raff, 1635 Thompson street; William Steele & Sons, 1600 Arch street; George Kessler Contracting Co., Drexel Building; William J. Guhrer & Co., 219 East high street, all of Philadelphia.

Residence, Wyncoote, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Francis M. McAdams, 1416 South Penn Square, Philadelphia. Stone, 2½ stories, 50x23 feet; wing, 20x20 feet, slate roof, hot water heating, oak floors, electric lighting, tile work. Architect has received bids.

Residence (alt. and add.), 108 Gowan avenue, Mt. Airy, Philadelphia. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, T. Y. Olson, Mt. Airy, Philadel-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

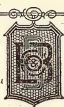
Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



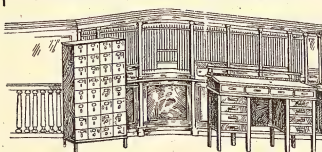
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

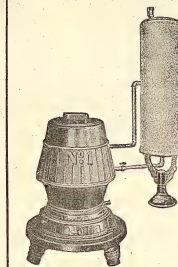
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



Crown-Adelphia TANK HEATER

This wonderful little heater will furnish an abundance of Hot Water continuously day and night at the cost of a few cents per day.

Installed in the basement, it will not heat the kitchen in summer, and will keep your basement dry.

Furnished in four sizes, No. 1 and 2 recommended for ordinary family use.

CIRCULAR UPON REQUEST

BORDEN STOVE COMPANY

118-122 N. Second Street :: Philadelphia

INSTALLED AND GUARANTEED BY YOUR PLUMBER

phia. Stone and brick, 2½ stories, slate and slag roof, new porches. Architect taking bids, due May 6th. The following are figuring: A. Whitehead, Inc., 1624 Latimer street; T. C. Trafford, 1613 Sansom street; George Hogg, 1634 Sansom street; Stacey Reeves & Sons, 2011 Market street; Kohl & Megarcoe, 124 East Gorgas street; H. E. Sweger, 4435 North Ueber street; Lam Building Co., 1001 Wood street, all of Philadelphia.

Apartment House (alt. and add.), 103 North Fifty-second street, Philadelphia. Architect, private plans. Owner, M. V. Sutliff, on premises. Brick, 3 stories, 18x60 feet, slag roof, electric lighting, steam heating. Builders, Abel Bottoms & Son, 41 South Fifteenth street, Philadelphia, taking sub-bids.

Parochial School, Chestnut Hill avenue, Philadelphia. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Our Mother of Consolation R. C. Church, Rev. N. J. Vasey, 9 East Chestnut Hill avenue, Philadelphia. Stone, 3 stories, 76x100 feet, slate roof, electric lighting (heating reserved). Architect taking bids, due May 6th. The following are figuring: William R. Dougherty, 1610 Sansom street; Melody & Keating, Bailey Building; Thomas Reilly, 1616 Thompson street; Jacob Myers & Sons Co., Witherspoon Building; J. B. Flounders, 1329 Arch street; John McShain, 631 North Seventeenth street; Murphy & Co., 263 South Tenth street; Jos. Bird Co., 213 North Eleventh street; McCloskey-Bahls Co., Hale Building, all of Philadelphia; J. A. Bader Co., duPont Building, Wilmington, Del.

Warehouse (alt. and add.), 242 South Fifth street, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick and concrete, 3 stories, 20x90 feet, slag roof, electric lighting, steam heating. Plans in progress. Bids in a few days.

Residence (alt. and add.), Fifty-seventh and Pine streets, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Michael F. Lyons, 18 South Redfield street, Philadelphia. Brick, 3 stories, 16x16 feet, slag roof, electric lighting, hot water heating. Architect has received bids.

School (alt. and add.), Greene and School lane, Germantown. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, Germantown Friends' School, Greene and School lane, Germantown. Brick and plaster, 3rd story addition, 60x180 feet (electric lighting and heating reserved). Architects have received bids.

Parish House, Winona and Pulaski avenue, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, West Side Presbyterian Church, care of Rev. W. P. Lee, 5516 Morris street, Germantown. Stone, 2½ stories, 40x60 feet, slate roof, electric lighting, steam heating. Plans in progress.

Residence and Garage, Haines and Boyer streets, Germantown. Architect, private plans. Owner, August Baur, 6316 Ross street, Germantown. Stone, 2½ stories, 32x47 feet; garage, 1 story, slate roof, electric lighting, hot water heating, oak floors. Owner taking bids, due May 6th. The following are figuring: W. J. Gruhler, 219 High street; Samuel Harting, 20 East Johnson street; T. J. Hutchinson, 243 West Seymour street; George A. Sorber & Sons, 18 Harvey street; W. G. Wright, 22 Harvey street; McCloskey-Bahls Co., Hale Building, all of Philadelphia.

Offices (alt. and add.), 1508 Walnut street, Philadelphia. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owners, Joshua L. Baily & Co., 30 South Fifteenth street, Philadelphia. Brick and stone, 3 stories, consists of remodeling residence for offices; electric lighting, steam heating, office partitions and fixtures. Plans in progress.

Bank and Office Building, 1416-18 Chestnut st., Phila. Architects, Furness Evans Co., Provident Building, Philadelphia, and McKim, Meade & White, 101 Park avenue, New York City (associated). Owners, Franklin National Bank, Broad and Chestnut streets. Marble and brick, fireproof, 12 stories, 50x230 feet, 3 elevators. Plans in progress.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

-Ex.

UNITAS TILING

A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

42 Years of Service

—the story of a small
roof with a great
record



*Barrett
Specification
Roofs*

Sherfey & Kidd Furniture
Store,
Brazil, Ind.
Roofer: Henry C. Smither
Roofing and Sheet Metal Co.
Indianapolis, Ind.
Sims & Smither,
42 years ago

The photograph above shows a building in Brazil, Indiana, which was roofed in 1872 with felt and gravel along the lines of *The Barrett Specification*.

A few months ago, it was necessary to add another story to the building and the old roof was torn off.

During 42 years the roof never leaked, nor was it patched, painted or re-paired.

The owners wrote to the successors of Sims & Smither, who put on the original roof in 1872, saying: "We want a roof like the old one"—and a Barrett Specification Roof, therefore, now covers the new addition.

From the viewpoints of service and economy, Barrett Specification Roofs are preeminently superior to any other kind.

Hydronon

The Damp-proofing Paint

A permanent damp-proofing paint which can be applied on the interior of brick, stone or concrete walls above the ground level, to exclude dampness.

It penetrates into the pores of the concrete or brick and seals the surface. It cannot peel off or be knocked off. By excluding the dampness of the wall it makes it possible to apply the plaster directly over the Hydronon without the use of lath and air space, thus saving considerable expense in construction. Not affected by alkali in the concrete. Booklet will be mailed free on request.

Special Note We advise incorporating in plans the full wording of The Barrett Specification, in order to avoid any misunderstanding. If any abbreviated form is desired, however the following is suggested:

ROOFING—Shall be a Barrett Specification Roof laid as directed in printed Specification, revised August 15, 1911, using the materials specified and subject to the inspection requirement.

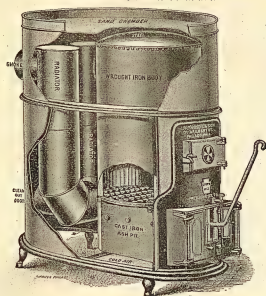
A copy of The Barrett Specification, with roofing diagrams, free on request.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle
THE PATERSON MFG. CO., Limited: Montreal Toronto Winnipeg Vancouver
St. John, N. B. Halifax, N. S. Sydney, N. S.



Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Wise builders are now looking upon Gas installations as the highest type of insurance; for by equipping their operations with the proper facilities for the use of gas appliances they are not only meeting a popular demand but making quick sales.

Consult with the "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

R. J. CARRICK,

Contracting
Painter and Decorator
Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2018-18-20 Ranstedt Street Pa.

We know lots of men who have made money without the aid of advertising, but— they haven't made it since 1876.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store and Dwelling, Delaware avenue and Pine street, Philadelphia, \$3,800. Architect, private plans. Owner, William J. McClellan, 6 Pine street, Philadelphia. Brick, 4 stories, 20x100 feet, slag roof, metal lath (heating and lighting, reserved). Contract awarded to Frank Dougherty, 942 East Ontario street, Philadelphia.

Residences (3), Haines street, Germantown. Architect, A. R. Holland, 3922 Franklin st., Philadelphia. Owner, Walter Richard, Musgrave and Haines streets, Philadelphia. Brick and stone, 2 stories, 14x40 feet, slate and slag roof, hot water heating. Contract awarded to L. D. Stites, 126 Herman street, Philadelphia.

Residence (alt. and add.), Overbrook, Philadelphia. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, T. Wistar Brown, Fifty-ninth and City Line, Philadelphia. Stone, 2½ stories, slag roof, electric lighting, steam heating, waterproofing. Contract awarded to F. E. Wallace, 1210 Sansom street, Philadelphia.

Residence (alt. and add.), Chestnut Hill, Pa., \$10,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George K. Johnson, President, Penn Mutual Life Insurance Co., 927 Chestnut street, Philadelphia. Stone and frame, 2½ stories, slate roof, electric lighting, hot water heating. Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

Garage, Mt. Airy, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, W. K. Elderton, Mt. Airy, Philadelphia. Brick, 1 story, 20x56 feet, slag roof, electric lighting, hot water heating. Contract awarded to A. Whitehead, Inc., 1624 Latimer street, Philadelphia.

Garage, 22 Allen lane, Germantown, \$1,500. Architect, private plans. Owners, Allen Lane Garage, on premises. Stone, 2 stories, 25x25 feet, slate roof, electric lighting. Contract awarded to W. J. Gruhier Co., 219 East High street, Germantown.

Stable and Garage (alt. and add.), Twentieth and Market streets, \$4,000. Architect, private plans. Owners, Gimbel Bros., care of H. C. Rusk, Superintendent, Ninth and Market streets, Philadelphia. Brick, 4 stories, electric lighting, gasoline storage. Owners will build.

Garage (alt. and add.), southwest corner of Broad and Callowhill streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut st., Philadelphia. Owner, Samuel Sternberger, Tenth and Filbert streets, Philadelphia. Brick and concrete, 1 story, 85x125 feet, slag roof, electric lighting. Contract awarded to Freund-

Seidenbach Co., Bulletin Building, Philadelphia.

New Porch, 4433 Spruce street, Philadelphia, \$900. Architect, Stanley Yocum, 5517 Morris street, Germantown. Owner, William A. Rump, on premises. Stone and wood, tile floors. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Armory (alt. and add.), Broad and Diamond streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania Armory Board, Harrisburg, Pa. Stone and brick, 2 stories, new concrete and wood floors. Contract awarded to P. M. Sax, Heed Building, Philadelphia.

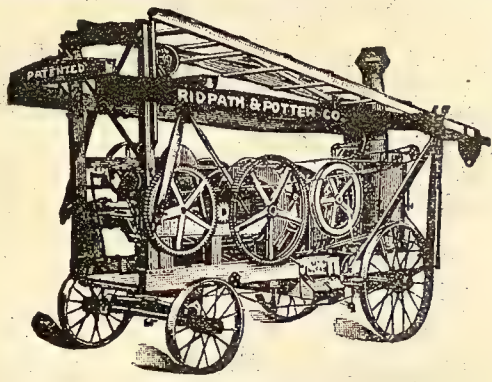
Hospital (alts.), Fifteenth street, above Race street, Philadelphia, \$15,000. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Hahnemann Hospital, on premises. Consists of new fire tower and sun parlors. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

Residence, Horter street, west of Wissahickon avenue, Philadelphia. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, William H. Trump, 515 Westview avenue, Germantown. Stone, 2 stories, 53x44 feet, shingle roof, hot water heating, electric lighting, oak floors. Contract awarded to Stokes Bros., 6723 Musgrave st., Philadelphia.

Tin Shop, Frankford, Philadelphia, \$4,830. Architect, private plans. Owner, U. S. Government, Frankford Arsenal, Philadelphia. Brick and concrete, 2 stories, 60x245 feet, slate roof, waterproofing. Contract awarded to Thomas Reilly, 1616 Thompson street, Philadelphia.

Stable and Garage, Thirty-third and Wallace streets, Philadelphia. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Pennsylvania Laundry Co., 319 North Thirty-second street, Philadelphia. Brick, 1 story, 45x170 feet, slag roof, electric lighting, steam heating, gasoline storage. Contract awarded to Armstrong & Latta, Land Title Building, Philadelphia.

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA

Construction News

Animal House, Glenolden, Pa. Architect, private plans. Owner, H. K. Mulford, 412 South Thirteenth street, Philadelphia, care of G. L. Baker, Glenolden, Pa. Hollow tile and concrete, 4 stories, 40x80 feet, asbestos shingle roof, iron stairs, waterproofing, composition floors (heat and light reserved). Owners taking bids, due May 5th. The following are figuring: Thomas M. Seeds, Jr., 1207 Race street; A. L. Carhart, Hale Building; Joshua C. Magill, 5710 Chester avenue, Philadelphia; V. Mercadante & Son, Chester, Pa.

Weave Shed, Hazleton, Pa. Architects, Balinger & Perrot, Seventeenth and Arch sts., Philadelphia. Owners, Duplan Silk Co., Hazleton, Pa. Brick and concrete, 2 stories, 90x185 feet, slag roof (heating and light reserved). Architects taking bids, due May 7th. In addition to those previously reported, Beard Const. Co., Reading, Pa.; H. Campbell, Hazleton, Pa.; Shepherd Const. Co., Wilkes-Barre, Pa., are figuring.

School (add.), Camp Hill, Pa., \$15,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, School District of Camp Hill, Camp Hill, Pa. Brick, 2 stories, 62x50 feet, slate roof (heating and plumbing and electric work separate bids). Owners taking bids, due May 7th. The following are figuring: W. E. Bushey, G. W. Ensign, J. Frank Soussman, all of Harrisburg, Pa.; J. C. Stricter, Enola, Pa.; A. W. Hertzler, Camp Hill, Pa.; George Sadler, Camp Hill, Pa.

Church, Mt. Joy, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, United Brethren Christ Church, Rev. D. E. Long, Mt. Joy, Pa. Brick, stone trimmings, 1 story, 50x128 feet, slate roof, vapor heating, electric lighting, metal lath, waterproofing and dampproofing. Plans about completed. Architect will take bids in about ten days.

Residence, Wynnefield, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 20x43 feet; wing, 9x15 feet, shingle roof, electric lighting, hot water heating, oak floors. Plans in progress.

Residences (2), Elkins Park, Pa. Archi-

teets, Street & Stackhouse, Drexel Building, Philadelphia. Owner, J. M. Paul, Elkins Park, Pa. Hollow tile and plaster, stone and frame, 25x45 feet, slate and shingle roof, electric lighting, hot water heating, oak floors. Plans in progress.

Bank Building (alt.), Norristown, Pa. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Montgomery National Bank, Norristown, Pa. Stone, 1 story, consists of interior alteration and addition, electric lighting, metal lath, steam heating, marble and tile work, new bank fixtures. Owners taking bids, due May 10th. The following are figuring: F. E. Wallace, 1210 Sansom street; H. E. Baton, Twelfth and Sansom streets, Philadelphia; F. R. Heavner, H. F. Borchers, E. O. Rehner, H. M. Jury & Sons, Shoffner & Bros., J. B. Groff, all of Norristown, Pa.

Theatre Building, Pottsville, Pa. Architects, Hoffman Co., Juniper and Market sts., Philadelphia. Owner, Philip Brenneman, Pottsville, Pa. Brick, terra cotta and concrete, 2 stories and basement, 30x230 feet, slag roof, metal lath, waterproofing, metal frames and sash, iron stairs (heating and lighting reserved). Architects taking bids, due May 8th. The following are figuring: Metzger & Fisher, Denckla Building; Smith-Hardican Co., 1606 Cherry street; Lam Building Co., 1001 Wood street, all of Philadelphia; Gordon Nagle, Walter Wertley, O. J. Aregood, C. Messersmith and J. M. Heffner, all of Pottsville, Pa.

Residence (alt. and add.), Merion, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Henry Delaplaine, Merion, Pa. Stone and hollow tile, 2½ stories, 40x50 feet, slate roof (heating and lighting reserved), oak floors. Architect taking bids, due May 8th. The following are figuring: H. E. Grau Co., 1709 Sansom street; A. L. Fretz & Sons, 1222 Chancellor street; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia; Charles C. Pace, Merion, Pa.; M. W. Young, Overbrook, Pa.; J. S. Rogers Co., Moorestown, N. J.; H. George W. Shaner, Palmyra, N. J.; Mowrer Bros., Merion, Pa.

Residence, Drexel Hill, Pa. Architect, E.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

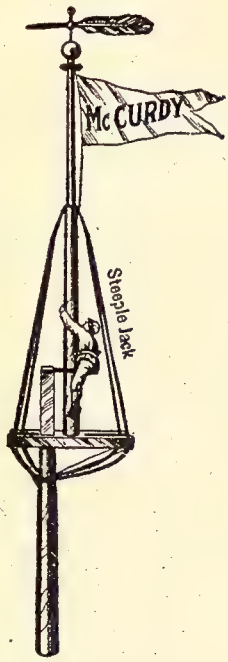
ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.

PHILADELPHIA

**VALVES
AND
SCALES****FLAG POLES
and Fittings**

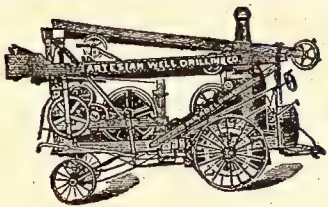
**Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete**

**STEEPLEJACK
CANVAS ROOFING**

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A

**Wells - Soundings
Test Borings****Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

**Brick Arches and Angles
Ground and Fitted**

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

**Home Liberty Palace Liberty
Ranges and Heaters**

114 N. 2nd St., Phila.

M. Van Voorhees, Hale Building, Philadelphia. Owner, R. B. Rulon, care of architect. Hollow tile and plaster, 2½ stories, 20x40 feet; wing, 19x20 feet, slate roof, electric lighting, hot water heating, oak floors. Plans in progress.

Residence, Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Frank H. Fleer, Lansdowne, Pa. Brick and stucco, 2½ stories, 40x34 feet; wing, 14x40 feet, slate roof, electric lighting, warm air heating. Architects taking bids, due May 6th. The following are figuring: Smith-Hardican Co., 1606 Cherry st.; Milton W. Young, Overbrook, Philadelphia; J. J. Murphy Co., 1139 South Wilton street; F. B. Davis, 240 North Sixteenth street; M. Roy Sheen, 450 North Wilton street; J. Howard Roberts, Lansdowne, Pa.

Silk Mill, Dorranceton, Pa., \$150,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., Hazleton, Pa. Consists of a group of 1 and 2-story buildings. Brick and concrete, composition roofs, steam heating, electric lighting. Plans about completed. Architects will take bids in about one week.

Mission Building, Reading, Pa., \$20,000. Architect, J. Earl Hickman, 119 South Fifth street, Reading, Pa. Owners, Hope Rescue Mission, Reading, Pa. Brick, 4 stories, 60x90 feet, slag roof, steam heating, electric lighting. Plans in progress.

Church and Sunday School, Harrisburg, Pa., \$60,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Christ Lutheran Church, Rev. I. L. Lehman, Harrisburg, Pa. Stone and brick, 1 story, 100x100 feet, slate and tin roof, dampproofing and waterproofing. Architect and owners taking bids. The following are figuring: Stapf & Benfer and E. N. Warner, Harrisburg, Pa., and H. C. Wright, Steelton, Pa., are figuring.

Weave Shed, Hazleton, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., Hazleton, Pa. Brick and concrete, 2 stories, 90x185 feet, slag roof (heating and lighting reserved). Architects have received bids.

Residences (4), Ardmore, Pa., \$15,000. Architect, private plans. Owner, Frank H. Mahan, Ardmore, Pa. Stone and plaster, 2½ stories, 25x36 feet, shingle roof, electric lighting, hot water heating, oak floors. Owner taking sub-bids.

Residence (alt. and add.), Laverock, Pa. Architects, Furness Evans & Co., and Joseph P. Sims, Provident Building, Philadelphia. Owner, Charles Platt, Jr., 400 Walnut street, Philadelphia. Frame and plaster, 2½ stories, 20x40 feet and 20x24 feet, shingle roof, electric lighting. Plans in progress.

Post Office (alts. and adds.), Reading, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Stone, brick and steel, 3 stories, composition and copper roof, steam heating, electric lighting, tile and marble work. Owners taking bids, due June 8th, at 3 P. M.

Factory, Pottstown, Pa. Architect, J. V. Poley, Royersford, Pa. Owners, Century Knitting Co., Inc., George W. Reiff, Pottstown, Pa. Brick, 2 stories, 72x110 feet, slag roof, steam heating, electric lighting, steel sash, fire doors, 2 elevators. Owners are taking bids.

Garage, Lansdale, Pa., \$3,500. Architects,

Conver & Slifer, Lansdale, Pa. Owner, W. Frederick Presgrave, Salisbury, Md. Frame and stucco, 2 stories, 40x26 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

Twin Residence, Spring City, Pa., \$6,000. Architect, J. V. Poley, Royersford, Pa. Owner, Allen W. Urner, Spring City, Pa. Brick, 2 stories, 52x38 feet, shingle roof, steam heating, electric lighting. Architect taking bids, due May 10th. The following are figuring: John Keiter and Latshaw & Walley, Spring City, Pa., and W. A. Bicker and J. Mowrey, of Royersford, Pa.

Residence (alt. and add.), Point Pleasant, Pa., \$6,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, John W. Howarth, Point Pleasant, Pa. Frame and stucco, 3 stories, 36x27 feet, slate roof, hardwood floors, tile work, cabinet work, metal lath (heating and electric work reserved). Owner is taking bids.

Residence (alt. and add.), Cornell, Pa., \$3,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, T. D. Adams, Cornell, Pa. Hollow tile and stucco, 2½ stories, 30x24 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence and Garage, Doylestown, Pa., \$3,500. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Frank W. Ely, Doylestown, Pa. Hollow tile and stucco, 2½ stories, 25x32 feet, slate roof, hot water heating, electric lighting, oak floors. Owner is taking bids.

Residence (alt. and add.), Linfield, Pa., \$5,000. Architect, J. V. Poley, Royersford, Pa. Owner, Charles F. Saxton, Linfield, Pa. Brick, 2½ stories, 30x30 feet, tin roof, tile work, composition flooring, steam heating, gas lighting plant, pressure water plant. Owner taking bids.

Blacksmith Shop, Royersford, Pa. Architect, J. V. Poley, Royersford, Pa. Owners, Buckwalter Stove Co., Royersford, Pa. Brick, concrete and corrugated iron, 1 story, 22x48 feet, steel sash, steel doors. Owners are sub-letting.

Dormitory, Swarthmore, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Swarthmore College, Swarthmore, Pa. Stone, 2½ stories, 39x140 feet, slate roof, electric lighting, steam heating. Architects taking bids, due May 14th. The following are figuring: Barclay White Co., Perry Building; Pomeroy Const. Co., 1609 Ranstead street; H. C. Rea Co., 1027 Wood street; William R. Dougherty, 1610 Sansom street; Cramp & Co., Denckla Building; R. C. Ballinger & Co., 218 North Thirteenth street; George J. Watson, 905 North Marshall street, all of Philadelphia; William Provost, Jr., Chester, Pa.

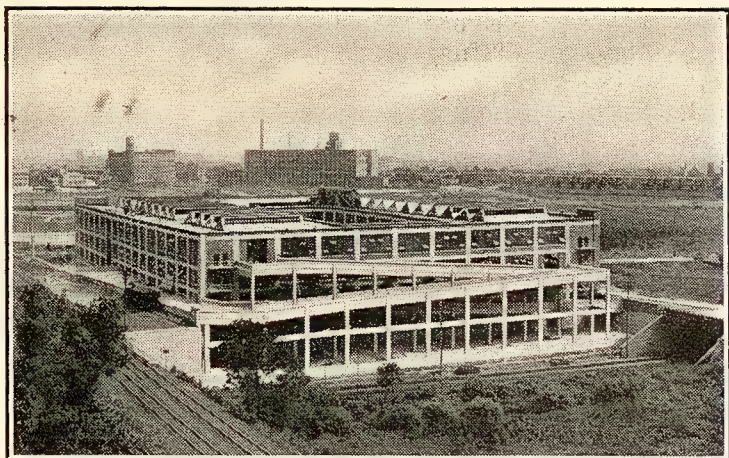
School, Highland Park, Pa., \$50,000. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owners, Board of Education, care of J. M. Lutz, Secretary, Llanerch, Pa. Stone, 2½ stories, 100x137 feet, slate roof. Plans in progress.

Boat House, Bridgewater, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner's name withheld. Frame, 1 story, 16x24 feet, shingle roof. Architect taking bids, due May 5th. T. C. Trafford, 1613 Sansom street, Philadelphia, is only bidder.

Residence (alt. and add.), Rydal, Pa. Architects, Wilson, Eyre & McIlvain, 1003 Spruce street, Philadelphia. Owner, Charles L. Borie,

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Jr., Rydal, Pa. Stone and plaster, 2½ stories, tin roof, metal ceilings (heating and lighting

reserved). Architects have received approximate bids.

PENNSYLVANIA

Contracts Awarded

Bungalow, Doylestown, Pa., \$4,500. Architect, A. Oscar Martin, Doylestown, Pa. Owner, I. B. Garges, Doylestown, Pa. Hollow tile and plaster, 1½ stories, 46x31 feet, asbestos shingle roof, hot water heating, electric lighting. Contract awarded to Jonas Martin, Doylestown, Pa.

Residence, Villa Nova, Pa., \$30,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Mrs. Howard H. Ellison, Jr., 1953 Locust street, Philadelphia. Brick, stone or hollow tile, 2½ stories, 32x128 feet, shingle or slate roof, canvas roof, weather strips, oak floors (heating and lighting reserved). Contract awarded to H. H. Burrell, 205 South Quince street, Philadelphia.

Cottage (No. 1), Laurelton, Pa., \$19,214. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, Pennsylvania Village for Feeble Minded Women. Stone, fireproof, 2½ stories, 53x68 feet, slate and slag roof, composition floors, metal lath, safety treads (heating and lighting and plumbing separate bids). Contract awarded to Edw. Fay & Son, 2 South Mole street, Philadelphia.

Residence, Cynwyd, Pa. Architect, private plans. Owner, S. A. Sloan, 331 Roxborough avenue, Philadelphia. Stone, 2½ stories, 27x61 feet, shingle and canvas roof, oak floors, electric lighting (heating reserved). Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

Boys' Club, Harrisburg, Pa. Architects,

Zantzinger, Barie & Medary, northeast corner of Fifteenth and Walnut streets, Philadelphia. Owners, John Y. Boyd Memorial Boys' Club, care of Thomas Wierman, Harrisburg, Pa. Brick, 3 stories, 100x50 feet, slate roof (heating and electric work reserved). Contract awarded to Titzel Const. Co., Woolworth Building, Lancaster, Pa.

Residence, Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, J. Morgan Harding, Bourse Building, Philadelphia. Frame and plaster, 2½ stories, 25x47 feet, shingle roof, hot water heat or hot air heat, electric lighting, tile work, oak floors. Contract awarded to Graham-Campion Co., Heed Building, Philadelphia.

Residence, Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owners, McIlvain & Co., Land Title Building, Philadelphia. Frame and plaster, 2½ stories, 18x38 feet, shingle roof, hot air heating, electric lighting. Contract awarded to Graham-Campion Co., Heed Building, Philadelphia.

Store Building, Reading, Pa., \$45,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, J. L. Huye, Lancaster, Pa. Brick and terra cotta, 4½ stories, 30x270 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Contract awarded to Charles H. Schlegel, 2204 Perkiomen street, Mt. Penn, Reading, Pa.

NEW JERSEY

Construction News

School (alts.), New Egypt, N. J., \$5,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, New Egypt, N. J. Consists of new brick and concrete stairways, hot air heat-

ing. Owners taking bids, due May 11th. The following are figuring: Wilbert Beaumont, Stephen Girard Building, Philadelphia; J. H. Groves, New Egypt, N. J.; J. B. Anderson, Crosswicks, N. J.; James A. Irons, New Egypt,

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street
PHILADELPHIA - PA.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



BUILDERS' MILL WORK FOR SALE

N. E. Cor. Mascher and Master Streets

Four story mill, 31x60, with adjoining yard, 48x60, containing boiler, engine and machinery in first class condition for wood-working mill, immediate possession; will rent cheap to responsible tenant and make terms to purchaser. Will sell machinery separate. Phone Walnut 1450 or Race 1769.

GEORGE H. JOHNSON, 1218 Chestnut St., Phila.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

C. G. A. SCHMIDT, JR. & CO.
EMPIRE BUILDING, PHILA., PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

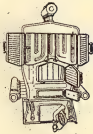
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

MILLS



"Opportunity"

You have an opportunity of obtaining the best boiler made—
By insisting upon a

MILLS WATER TUBE BOILER

Best by test.

Ask for information

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

N. J.; Petersen Construction Co., Clayton, N. J.

School, Dividing Creek, N. J. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, School Board of Downe Township, N. J. Frame, 1 story, 55x70 feet, shingle roof. Owners taking bids, due May 8th. The following are figuring: Roydhouse-Arey Co., Fidelity Building, Philadelphia; Wilbert Beaumont, Stephen Girard Building, Philadelphia; H. H. Hankins & Bro., Bridgeton, N. J.; W. R. Titus, Woodbury, N. J.; John Owens, Port Norris, N. J.; William Owens, Port Norris, N. J.; Clinton Bass, Newport, N. J.; J. Taylor Lore, Newport, N. J.; Petersen Construction Co., Clayton, N. J.; Samuel Godfrey, Halesville, N. J.

Church (alt. and add.), Bridgeton, N. J., \$10,000. Architects, Custer & Seltzer, 2030 Market street, Camden, N. J. Owner's name withheld. Brick, stone trimmings, 1 story, 40x76 feet, slate roof, vapor heating, electric lighting, composition flooring. Plans in progress.

Residence (alt. and add.), Euclid avenue and Boulevard, Camden, N. J. Architect, Thomas Stephen Masonic Temple, Camden, N. J. Owners, City of Camden, City Hall, Camden, N. J. Consists of the remodeling of the old Hatch Mansion. Brick, 3 stories, 58x76 feet, slate roof, electric lighting, shower baths (heating reserved). Owners taking bids, due May 13th. The following are figuring: George Bachman, 19 North Thirtieth street; James W. Draper, 1445 Mt. Ephraim avenue; Frank Turner, 828 Broadway; William Writford, 525 Market street; Barchlow & Fulton, 506 Clinton street; Harry Poulkes, 566 Pine street; Charles L. Stewart, Woodlynne, all of Camden, N. J.

Residences (4), Westfield avenue, Camden, N. J. Architect, private plans. Owners, King & Yeager, 1467 Haddon avenue, Camden, N. J. Brick, 2 stories, 14x46 feet each, slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Dining Halls and Kitchen, Princeton, N. J. Architects, Day & Klauder, 925 Chestnut st., Philadelphia. Owners, University of Princeton, Princeton, N. J. Consists of 3 1-story dining halls, 2-story dining hall and 2-story kitchen, slate roof, steam heating, electric

lighting. Plans in progress. Architects will take bids in about two weeks.

Residence and Garage, Woodbury, N. J. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, Herbert N. Twells, 110 Euclid avenue, Woodbury, N. J. Hollow tile and plaster, 2½ stories, 26x35 feet; wing, 17x20 feet; garage, 1 story, hollow tile and plaster, 20x25 feet, shingle roof, electric lighting, hot water heating, oak floors. Revised plans in progress.

School (add.), Atlantic City, N. J., \$120,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owners, Board of Education, H. H. Young, Secretary, Atlantic City, N. J. Brick, concrete and terra cotta, fireproof, 3 stories, 90x150 feet, composition roof, mechanical heating and ventilating system, electric lighting, waterproofing and dampproofing. Plans in progress.

Residences (12), Atlantic City, N. J., \$14,000. Architects, Shull & Barry, Guarantee Trust Building, Atlantic City. Owner, F. C. Donnelly, Atlantic City, N. J. Brick, 2 stories, 49x96 feet, slag roof, heating not decided, gas lighting, expanded metal. Plans in progress.

Hospital, Atlantic County, N. J., \$20,000. Architect, S. Hudson Vaughn, Bartlett Building, Atlantic City, N. J. Owners, Commissioners of Atlantic County, E. A. Parker, Clerk, Mays Landing, N. J. Brick, 2 stories. Owners taking bids, due May 20th. Gerry-Goodwin Co., 136 South Fourth street, Philadelphia, are figuring.

Residence, Woodbury, N. J. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, A. Browning Canfield, Woodbury, N. J. Stone and frame, 2½ stories, 20x45 feet; wing, 15x20 feet, shingle roof, electric lighting, hot air heating, oak floors. Plans in progress.

Reception Cottage, Clinton, N. J. Architect, George S. Drew, Trenton, N. J. Owners, New Jersey State Reformatory for Women, Clinton, N. J. Brick and hollow tile, 2½ stories, 28x98 feet; wing, 28x46 feet, slate roof, metal lath, composition floors (heating and lighting reserved). Owners taking bids, due May 10th. Berry-Goodwin Co., 136 South Fourth street, Philadelphia, is figuring.

Toilet and Wash Rooms, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Concrete, 1 story, 24x30 feet (heating and lighting reserved). Architects have received bids.

Cabinet Factory (add.), Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Reinforced concrete, 5 stories, 150x300 feet. Plans about completed. Architects ready for bids in a few days.

Reception Cottage, Clinton, N. J., \$30,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Reformatory for Women, Clinton, N. J. Hollow tile and brick, 2½ stories, 28x98 feet; wing, 28x46 feet, slate roof, composition flooring (heating, plumbing and electric work separate bids). Owners taking bids, due May 10th. The following are figuring: Metzger & Fisher, Denckla Building; James H. Wells, Heed Building; W. Anstine Co., 1218 Filbert street; Berry-Goodwin Co., 136 South Fourth street, all of Philadelphia; David Nicholson, 306 North Grove street, East Orange, N. J.; De Riso Bros., Weehawken, N. J.; Butz & Clader, Allentown, Pa.; Wm. I. Houghton, Somerville, N. J.; Wm. G. Sharwell & Co., 371 North Fifth street, Newark, N. J.; McMiller Construction Co., 738 Broad street, Newark, N. J.; Jersey City Construction Co., 75 Montgomery street, Jersey City, N. J.; DeKimppe Construction Co., 70 Hudson avenue, New York City; W. A. Stein & Co., Allentown, Pa.; John Milnes Co., Port Richmond, N. Y.; James A. Hornby, Glen Gardner, N. J.;

John P. Everett, Hackettstown, N. J.; Wilbert R. Titus, Woodbury, N. J.; Ochs Construction Co., Allentown, Pa.; Philip A. Hickey, Somerville, N. J.

Rubber Factory, Yardville, N. J., \$10,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton, N. J. Owner, Chas. A. Comp, 147 East State street, Trenton, N. J. Brick and steel, 2 stories, 42x150 feet, slag roof, steam heating, electric lighting, steel sash. Owner is sub-letting all contracts.

Rubber Factory (add.), Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, Ajax-Grieb Rubber Co., Brenning avenue, Trenton, N. J. Brick, 1 story, 28x88 feet, slag roof, steam heating, electric lighting. Architects taking bids, due May 8th. The following are figuring: S. W. Mather & Son, Burton & Burton, W. J. & J. H. Morris, Scott & Day, Fred Parker, Ed. La Rue, Charles R. Randall, Wm. Hicks, all of Trenton, N. J.

Service Building, Trenton, N. J., \$12,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, Gomery-Schwartz Motor Car Co., 253 North Broad street, Philadelphia. Brick, 2 stories, 62x85 feet, slag roof, steam heating, electric lighting, concrete floors, steel sash. Plans completed. Architects ready for bids.

Residence, Trenton, N. J., \$6,000. Architects, W. W. Slack & Sons, American Mechanics' Building, Trenton, N. J. Owner, Walter H. Orr, 55 Delaware avenue, Trenton, N. J. Hollow tile and stucco, 2½ stories, 29x44 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Architects taking bids, due May 6th. The following are figuring: S. W. Mather & Son, Burton & Burton, W. J. & J. H. Morris, Scott & Day, Fred Parker, Ed. La Rue, Charles R. Randall, Wm. Hicks, all of Trenton, N. J.

Residence, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, Isaac Lavine, 105 Union street, Trenton, N. J. Brick, 2½ stories, 33x53 feet, slate, slag and tin roof, hot water heating, gas and electric lighting, hardwood floors, tile work. Owner is taking bids.

Dining and Service Building, Vineland, N. J., \$50,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey Home for Insane Women, Dr. M. Hallowell, Vineland, N. J. Brick, 1 story, 150x192 feet, slag roof, steam heating, electric lighting, composition floors. Plans in progress.

Residences (4), Trenton, N. J., \$12,000. Architect, private plans. Owner, Thomas W. Wilson, 323 Berwyn street, Trenton, N. J. Brick and frame, 2½ stories, 14x12 feet each, slate roofs, hot air heating, electric lighting. Owner is sub-letting all contracts.

Garage, Bridge street, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, I. Lavine, 105 Union street, Trenton, N. J. Brick and terra cotta, 1 story, 20x20 feet, slag roof, cement floors, electric lighting. Owner is taking bids.

New Jersey

Contracts Awarded

Club House, 836 Broadway, Camden, N. J., \$10,000. Architect, Thomas Stephen Masonic Temple, Camden, N. J. Owners, St. Anthony's Catholic Club, 834 Broadway, Camden, N. J. Brownstone, 3 stories, 26x70 feet, slate and slag roof, steam heating, electric lighting, shower baths, marble work. Contract awarded to James W. Draper, 1445 Mt. Ephraim avenue, Camden, N. J.

Residences (2), Ventnor, N. J., \$7,000. Architects, Shull & Barry, Guarantee Trust

(Continued on page 290.)



Built for the Coming Ages

The great builders of today are wise. They build not merely for today, tomorrow or next year, but for fifty or a hundred years—for the needs that are beyond exact calculation.

A conspicuous example is the great Pennsylvania Railroad Terminal of New York, a structure that causes even those who have seen all the great railroad buildings of the world to stand in wonder and admiration.

In this magnificent Terminal 250,000 barrels of

ALPHA PORTLAND CEMENT

The High-Water Mark of Quality

were used after the most exacting tests. And the Pennsylvania Terminal is only one of a long list of notable structures in which ALPHA Portland Cement was used.

The use of ALPHA on the famous New York Aqueduct totals over a million barrels.

Six great plants on six great trunk lines. One great plant with its private docks is directly on the Hudson River and ideally situated for Coast, Canal, and export shipments.

Capacity, 25,000 barrels daily. Storage facilities for 2,000,000 barrels. Prompt shipments of properly burned, properly ground, properly aged cement at all times.

Ask for the ALPHA Book No. 18, containing information of value on cement and concrete work.

Alpha Portland Cement Co.

Philadelphia Office, Harrison Building

Other Sales Offices: New York, Chicago, Boston, Pittsburgh, Buffalo, Baltimore, Savannah.

Telephones: Bell, Spruce 4969. Keystone, Race 2877.

General Offices, Easton, Pa.

Specify ALPHA and be SURE

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year
ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY
Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., MAY 5, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915
President. *R. Clifton Sturgis, Boston
First Vice-President *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Madran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonie, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.
*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Broekie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Frederick A. Muhlenberg
Treasurer Walter Mellor
Directors—Clarence C. Zantzing, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

Leonard C. Wasson completed recently an inspection of the buildings at the Edison plant gutted by fire. Mr. Wasson, who is the head of the Aberthaw Construction Company, of Boston, and a recognized authority on the subject of reinforced concrete construction, was selected by the Boston Manufacturers' Mutual Fire Insurance Company to look over the ruined buildings with a view to determining what defects were chargeable with the failure of the buildings to stand up under test. His report is an interesting document. Among other things Mr. Wasson says:

"Steel becomes ductile at a comparatively low temperature. The strength of a reinforced concrete structure depends upon the compressive strength of the concrete and the tensile strength of the steel. If the steel stretches, the floors will sag under load. If the stone crumbles under heat it will cause soft pockets to form between the films of mortar which hold the stones in place. These thin films will readily heat and break away.

"Accordingly, in order to secure a fire resisting concrete, it is necessary to select a stone which will not readily crumble under heat, and to bury the steel so deeply in the concrete that the heat generated by a fire in the contents of the building cannot raise the temperature of the steel to its softening point, even after some of the concrete surface has been spawled off by the fire or water action.

"It is to be remembered that concrete poured in large sections, after setting and during the hardening process of several months, shrinks, producing internal stresses. It is impossible to anneal the material, or to do anything to relieve these stresses in the material. The steel bars embedded in the concrete cross many of these lines of stress, and tend to hold the whole mass from cracking. If a heavy blow is struck or if heat expansion takes place, cracks are likely to occur at the points of worst stress. Because of this, designers and insurance companies have insisted that no less care should be expended on sprinkler protection, cut-off walls, and all other means of minimizing the extent and intensity of a fire in a reinforced concrete building than has been given to buildings of other types. The wisdom of this course is clearly shown in the fire under consideration, where these principles were not followed."

* * *

As "The Guide has taken occasion to say more than once within the past twelve months, such a thing as an absolutely fireproof building simply does not exist. No building can be constructed that will do more than retard the spread of fire once fire gets a favorable start. As a matter of fact, no building can be regarded as dependably fire retardant even if it is used for the storage of inflammable material. Reinforced concrete probably met

the test presented by the conflagration at the Edison plant as efficiently as most materials and more efficiently than many materials. That it failed was due to abnormal conditions. Mr. Wasson points out in his capacity as an expert in this type of construction some of the conditions that ensue under given circumstances. How to avoid all of these amounts to a problem. Cut-off walls and sprinklers are undeniably valuable first aids in the earlier stages of the average conflagration. Whether the sprinkler would have sufficed, in view of the highly inflammable nature of the building contents in the case of the Edison plant will remain a mooted question.

* * *

The assessed valuation of New York City is approximately one-third of the total assessed valuation of taxable property in the 184 leading cities of the United States with a population of more than 30,000, according to the "Real Estate Bulletin." The total assessed valuation of taxable property in the cities was \$26,059,387,438 in 1910. This total \$17,491,117,653, or 67.2 per cent. was in eighteen cities which have a population of more than 300,000. The assessed valuations in some of the larger cities are shown as follows:

New York.	\$8,322,958,952
Chicago.	848,994,536
Philadelphia.	1,458,851,880
Boston.	1,409,479,723
Jersey City.	241,561,118

Real Property.

New York.	\$7,004,892,674
Chicago.	603,022,875
Philadelphia.	1,457,108,534
Boston.	1,118,992,100
Jersey City.	184,481,409

The basis of assessment in the above cities are: New York, Philadelphia, Boston and Jersey City, 100 per cent.; Chicago, 33 per cent. Chicago's totals should therefore be multiplied by three for comparison.

* * *

Although operative builders are showing about their usual spring activity, building generally continues dull and listless. There seems to be a disposition on the part of big investors to hold back until trade conditions approach the normal, though why they do this is not so clear as it should be, everything considered. As pointed out in "The Guide" some time ago, big building can be done more cheaply now than it will be possible to do it later on when activity becomes general. The fact that the railroads have begun to place orders for new equipment should convince even the chronic element among the pessimistic that conditions are easing. "The Guide" didn't take much stock in the theory advanced in certain quarters that the existing depression was largely psychological, but is obliged to confess that the basis for much of the present gloom in business circles is difficult to account for on any other basis.

With bumper crops in sight, money easy, exports increasing and employment becoming more plentiful, it would seem to be time for the investor to get busy.

* * *

The year book of the architects just issued is a highly creditable production. It is tastefully bound, attractively printed, contains a mass of clever design, and is well worth the attention of readers interested in the progress of architectural development. The volume is issued jointly by Philadelphia Chapter of the American Institute of Architects and the T-Square Club and presents this year, in addition to the usual features, several pages of splendidly executed photographs of the best local examples of Colonial wrought-iron work.

* * *

That daring and original painter, Robert Henri, had an article in the "Craftsman" recently under the title, "My People," that contained some excellent running comment on the artistic point of view. Speaking of the war abroad, Mr. Henri remarks:

"It is disorder in the mind of man that produces chaos of the kind that brings about such a war as we are to-day overwhelmed with. It is the failure to see the various phases of life in their ultimate relation that brings about militarism, slavery, the longing of one nation to conquer another, the willingness to destroy for selfish, unhuman purposes. Any right understanding of the proper relation of man to man and man to the universe would make war impossible.

"The revolutionary parties that break away from old institutions, from dead organizations are always headed by men with a vision of order, with men who realize that there must be a balance in life, so much of what is good for each man, so much to test the sinews of his soul, so much to stimulate his joy. But the war machine is invented and run by the few for the few. There is no order in the seclusion of the world's good for the minority, and the battle for this proves the complete disorganization of the minds who institute it. War is impossible without institutionalism, and institutionalism is the most destructive agent to peace or beauty. When the poet, the painter, the scientist, the inventor, the laboring man, the philosopher, see the need of working together for the welfare of the race, a beautiful order will be the result and war will be as impossible as peace is to-day."

* * *

On the subject of artistic independence and technique, Mr. Henri has several pithy chapters.

"We are living in a strange civilization," writes Mr. Henri. "Our minds and souls are so overlaid with fear, with artificiality, that often we do not even recognize beauty. It is this fear, this lack of direct vision of truth that brings about all the disaster the world holds, and how little opportunity we give any people for casting off fear, for living simply and naturally. When they do, first of all we fear them, then we condemn them. It is only if they are great enough to outlive our condemnation that we accept them.

"Always we would try to tie down the great to our little nationalism; whereas every great artist is a man who has freed himself from his family, his nation, his race. Every man who has shown the world the way to beauty, to true culture, has been a rebel, a 'universal' without patriotism, without home, who has found his people everywhere, a man whom all the world recognizes, accepts, whether he speaks through music, painting, words or form.

"Each genius differs only from the mass in that he has found freedom for his greatness; the greatness is everywhere, in every man, in every child. What our civilization is busy doing mainly, is smothering greatness. It is a strange anomaly; we destroy what we love and we reverence what we destroy. The genius who is great enough to cut through our restraint wins our applause; yet if we have our own way we restrain him. We build up the institution on the corner-stone of genius and then we begin to establish our rules and our laws, until we have made all expression within the commonplace. We build up our religion upon the life of the freest men that ever lived, the men who refused all limitation, all boundaries, all race kinship, all family ties; and then we circumscribe our religion until the power that comes from the organization blinds and binds its adherents. We would circumscribe our music, we would limit the expression of our painter, we would curb our sculpture, we would have a fixed form for our poet if we could. Fortunately, however, the great, significant, splendid impulse for beauty can force its way through every boundary. Wagner can break through every musical limitation ever established, Rodin can mold his own outline of the universe, Whitman can utter truths so burning that the edge of the sonnet, roundelay, or epic is destroyed, Millet meets his peasant in the field and the Academy forgets to order his method of telling the world of this immemorial encounter.

"I am always sorry for the Puritan, for he guided his life against desire and against nature. He found what he thought was comfort, for he believed the spirit's safety was in negation, but he has never given the world one minute's joy or produced one symbol of the beautiful order of Nature. He sought peace in bondage and his spirit became a prisoner.

"Technique is to me merely a language, and as I see life more and more clearly, growing older, I have but one intention and that is to make my language as clear and simple and sincere as is humanly possible. I believe one should study ways and means all the while to express one's idea of life more clearly. The language of color must of necessity vary. There are great things in the world to paint, night, day, brilliant moments, sunrise, a people in the joy of freedom; and there are sad times, half tones in the expression of humanity, so there must be an infinite variety in one's language. But language can be of no value for its own sake, it is so only as it expresses the infinite moods and growth of humanity. An artist must first of all respond to his subject, he must be filled

with emotion toward that subject and then he must make his technique so sincere, so translucent that it may be forgotten, the value of the subject shining through it. To my mind a fanciful, eccentric technique only hides the matter to be presented, and for that reason is not only out of place, but dangerous, wrong.

"All my life I have refused to be for or against parties, for or against nations, for or against people. I never seek novelty or the eccentric; I do not go from land to land to contrast civilizations. I seek only, wherever I go, for symbols of greatness, and as I have already said, they may be found in the eyes of a child, in the movement of a gladiator, in the heart of a gypsy, in twilight in Ireland or in moonrise over the deserts. To hold the spirit of greatness is in my mind what the world was created for. The human body is beautiful as this spirit shines through, and art is great as it translates and embodies this spirit."

It's not new, all this. It has been said before, but it's worth noting anew, as Kipling has it, "lest we forget."

The One That Gets the Trade.

The constant dropping water wears away the hardest stone,
The constant chewing bulldog masticates the toughest bone,
The constant cooing lover takes away the blushing maid,
And the constant advertiser is the one that takes the trade.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

Good fortune often chooses the most unlikely of messengers to herald its coming.

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



NEW JERSEY CONTRACTS AWARDED.

(Continued from page 286.)

Building, Atlantic City. Owners, Colonial Investment Co., Guarantee Trust Building, Atlantic City. Brick and stucco, 2 stories, 25x32 feet each, slate roof, hot water heating, gas and electric lighting, tile work. Contract awarded to William Lear, Seaview, N. J.

Residence, Ventnor, N. J., \$5,000. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owners, Pacific Realty Co., Guarantee Trust Building, Atlantic City. Brick and stucco, 2 stories, 45x46 feet, slate roof, hot water heating, electric lighting, tile work. Contract awarded to William Lear, Seaview, N. J.

Post Office and Apartments, Pleasantville, N. J., \$20,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, George Leach, Pleasantville, N. J. Brick, 3 stories, 50x100 feet, slag roof, hot water heating, gas and electric lighting, tile work, metal lath. Contract awarded to James Yates, Pleasantville, N. J.

School Building, Springside, N. J., \$16,131. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education of Burlington Township. Brick, 2 stories, slag roof, mechanical fan system of heating, gas lighting, slate blackboards. Contract awarded to W. Beaumont, Stephen Girard Building, Philadelphia.

School (alts.), Vineland, N. J., \$15,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Edgar R. Jones, Secretary, Decker Block, Vineland, N. J. Consists of new stairs and interior alterations, composition flooring. Contract awarded to J. D. Pasquale, Vineland, N. J.

Sunday School (alt.), Haddonfield, N. J. Architect, George E. Savages, Witherspoon Building, Philadelphia. Owners, First Baptist Church, Haddonfield, N. J. Brick, 2 stories, slate roof, vapor heating, electric lighting. Contract awarded to J. W. Draper, 1445 Mt. Ephraim avenue, Camden, N. J.

Residences (4), Trenton, N. J., \$12,000. Architect, private plans. Owners, Greenwood Realty Co., Forst Richey Building, Trenton, N. J. Brick and frame, 2½ stories, 33x44

feet each, slate roofs, hot air heating, electric lighting. Contract awarded to James Birks, Forst Richey Building, Trenton, N. J.

Residences (6), Trenton, N. J., \$15,000. Architect, private plans. Owner, F. T. Walters, Trenton, N. J. Frame, 2½ stories, 14x42 feet each, slate and tin roofs, hot air heating, gas and electric lighting. Contract awarded to Daniel Etinger, Trenton, N. J.

Residence and Store, Trenton, N. J., \$5,000. Architect, private plans. Owner, William G. Cook, 76 North Clinton avenue, Trenton, N. J. Brick, 2 stories, 27x44 feet, tin roof, hot water heating, electric lighting. Contract awarded to Thomas F. Donigan, 153 Hamilton street, Trenton, N. J.

Residence, Trenton, N. J., \$6,000. Architect, private plans. Owner, J. D. Wilson, Trenton, N. J. Frame, 2½ stories, 25x44 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Charles R. Randall, 43 North Hermitage street, Trenton, N. J.

Store and Residence, Trenton, N. J., \$4,600. Architect, private plans. Owner, H. L. Townsend, Trenton, N. J. Brick, 2½ stories, 20x44 feet, slate and tin roof, hot water heating, electric lighting. Contract awarded to Joseph P. Barlow, 348 Garfield street, Trenton, N. J.

Residences (2), Trenton, N. J., \$6,000. Architect, H. W. Voorhees, 39 South Hermitage street, Trenton, N. J. Owner, Ed. S. Jefferies, 75 General Greene avenue, Trenton, N. J. Frame and stucco, 2½ stories, 16x50 feet, slate roof, hot water heating, electric lighting, tile work, metal lath. Contract awarded to John S. Hendricks, Trenton, N. J.

Residence, Trenton, N. J., \$3,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, Howard C. Teneous, 1402 East Clinton street, Trenton, N. J. Brick, 2½ stories, 17x47 feet, slate roof, hot water heating, electric lighting. Contract awarded to Paul Wolf, 630 Anderson street, Trenton, N. J.

Miscellaneous Construction News

High School (add.), Wilmington, Del., \$135,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, High School Building, Wilmington. Brick, stone and steel, 3 stories, composition roof, electric lighting, fireproofing. Plans in progress.

Club House, Wilmington, Del., \$40,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Knights of Columbus, Wilmington, Del. Brick, stone and terra cotta, 4 stories, 45x100 feet, tile and composition roof, indirect steam heating, electric lighting, tile work, metal lath, waterproofing and damp-proofing, ornamental iron. Plans completed. Architect ready for bids.

Chapel and Sunday School, Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner's name withheld. Brick, limestone and stucco, 1½ stories, 45x60 feet and 30x30 feet, slate roof, steam heating, electric lighting. Architect ready for bids.

Church (alt. and add.), Wilmington, Del., \$10,000. Architect, Edward Canby May du Pont Building, Wilmington, Del. Owner's name withheld. Brick and limestone trimmings, 1½ stories, 50x75 feet, slate roof, steam heating, electric lighting. Architect ready for bids.

Factory, Cleveland, Ohio. Architect, Albert Kahn, Detroit, Mich. Owner, F. B. Stearns, Cleveland, Ohio. Brick, steel and concrete, 4 stories, 70x157 feet, composition roof, safety treads, waterproofing, damp-proofing (heating and lighting reserved). Architect has received bids.

Theatre, Detroit, Mich. Architect, W. B. Stratton, Union Trust Building, Detroit, Mich. Owners, Regent Theatre Co., Detroit, Mich. Brick and terra cotta, fireproof, 3 stories, 107x225 feet, slag and tile roof, damp-proofing, waterproofing, metal lath, metal frames and sash. Architect has received bids.

Service Building, Buffalo, N. Y. Architect, Albert Kahn, Detroit, Mich. Owners,

Ford Motor Co., Detroit, Mich. Brick, steel, terra cotta and concrete, 4 stories and basement, 100x190 feet and 100x281 feet, tile and composition roof, metal frames and sash, metal lath, safety treads, damp-proofing and waterproofing (heating and lighting reserved). Architect has received bids.

Factory (add.), Mishawaka, Ind. Architect, Albert Kahn, Detroit, Mich. Owners, Mishawaka Woolen Manufacturing Co., Mishawaka, Ind. Brick, steel and concrete, 2 and 4 stories, 100x402 feet; wing, 61x100 feet, composition roof, electric lighting, steam heating, damp-proofing, safety treads, metal frames and sash, metal lath. Architect taking bids, due May 6th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Manufacturing Building, Detroit, Mich. Architect, Albert Kahn, Detroit, Mich. Owners, Packard Motor Co., Detroit, Mich. Concrete and steel, terra cotta, 3 stories, 60x395 feet, composition roof, damp-proofing, safety treads, metal frames and sash, metal lath (heating and lighting reserved). Architect taking bids, due May 5th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Manufacturing Building, Newport, Del. Architect, private plans. Owners, Krebs Pigment and Chemical Co., Newport, Del. Brick, steel and concrete, 1, 2 and 3 stories, 110x225 feet; wing, 56x75 feet, slag roof, waterproofing (heating and lighting reserved). Owners taking bids, due May 5th. Turner Concrete Steel Co., 1713 Sansom street, Philadelphia are figuring.

Bank, Richmond, Ind. Architects, E. Jackson-Casse Co., Chicago, Ill. Owners, Dickinson Trust Co., Richmond, Ind. Brick, stone, fireproof, 1 story, 65x125 feet, composition roof, metal lath, metal frames and sash, waterproofing (heating and lighting reserved). Architects taking bids, due May 11th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

MARYLAND

Construction News

Residences (15), Oakhurst Place, Baltimore, Md., \$25,000. Architect, Charles R. Burdett, 226 North Fulton avenue, Baltimore. Brick, 2 stories, 14x48 feet each, slag roof, hot air

heating, electric lighting. Owner is sub-letting all contracts.

Residences (2), Chatham Road, Baltimore, \$7,000. Architect, George R. Morris, Gunther

Building, Baltimore. Owner, architect. Frame, 2½ stories, 28x28 feet, slate roof, steam heating, gas and electric lighting. Architect is sub-letting all contracts.

Store and Apartment House, 1013-1015 West North avenue, Baltimore, Md. Architect, John Freund, 11 East Lexington street, Baltimore. Owner, David Siegel, 2216 Callow avenue, Baltimore. Brick, 3 stories, 40x41 feet, slag roof, steam heating, gas and electric lighting. Plans in progress.

Hotel (remodeling), Forest Park, Baltimore, Md. Architects, Ellicott & Emmart, Union Trust Building, Baltimore. Owner, H. D. Eastman, 702 Guilford avenue, Baltimore. Consists of general remodeling of interior.

Architects taking bids. The following are figuring: J. Henry Miller, Eutaw and Franklin streets; G. Walter Tovell, Eutaw place and McCulloh street; John Elgin, all of Baltimore, Md.

Residences (10), Allendale Road, Baltimore, \$35,000. Architect and owner, George R. Morris, Gunther Building, Baltimore. Frame, 2 stories, slate roofs, steam heating, gas and electric lighting. Plans in progress.

Residence, Guilford, Md. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owner's name withheld. Brick, 3 stories, 40x90 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

16x34 feet. Cost, \$6,000. Three dwellings. Cost, \$2,500. One dwelling, 205 Olney avenue.

Temple University (O), Broad and Berks streets. Harrison C. Rea Co. (C), 1027 Wood street. Cost, \$18,000. College, brick, 2 stories, 40x150 feet, Broad and Berks streets.

Raymond & Kilpatrick (O), Thirteenth and Shunk streets. J. Uber (C), 2236 South Beechwood street. Cost, \$41,600. Twenty-six dwellings, brick, 2 stories, 14x27 feet, 2600 South Twelfth street. Cost, \$41,600. Twenty-six dwellings. Cost, \$10,400. Four dwellings.

T. Duff (O), 3648 Frankford avenue. Cost, \$45,600. Nineteen dwellings, brick, 2 stories, 15x31 feet, Seventh and Boulevard. Cost, \$5,200. Two dwellings.

MARYLAND

Contracts Awarded

Alterations and Additions

Theatre (alt. and add.), 617-619 North avenue, Baltimore, Md. Architects, William O. Sparklin & George S. Childs, 507 Law Building, Baltimore. Owners, Mount Royal Amusement Co. Brick and steel and concrete, 1 story, 40x100 feet and 22x50 feet, slag roof, steam heating, electric lighting. Contract awarded to Singer—Pentz Co., Equitable Building, Baltimore.

Apartment House, Thirty-third and Charles streets, Baltimore, Md., \$100,000. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, The Burford Apartment Co., Baltimore, Md. Brick and steel, fireproof, 4 stories, 60x130 feet, slate and slag roof, steam heating, electric lighting. Contract awarded to Edward Brady & Son, 1113 Cathedral street, Baltimore.

Garage, 234-38 North Forrest street, Baltimore, \$4,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, H. M. Caplan, 234 Forrest street, Baltimore, Md. Brick, 1 story, 50x100 feet, slag roof, steam heating, electric lighting. Contract awarded to Harry H. Wise, 712 West Cross street, Baltimore.

Valentine Puder (O), 3611 North Thirteenth street. H. P. Schneider (C), 3713 York road. Cost, \$800. Dwelling, 3611 North Thirteenth street.

Archbishop E. F. Prendergast (O), Eighth and Race streets. W. R. Dougherty (C), 1608 Sansom street. Cost, \$50,000. Church, Broad and Duncannon streets.

G. P. Pfund (O), 3549 Germantown avenue. Cost, \$3,200. Hog pen, 3945 Germantown avenue.

Board of Education (O), Land Title Building. F. Roe Searing (C), Perry Building. Cost, \$28,000. School, Sixty-third and Elmwood avenue.

Gimbel Bros. (O), Ninth and Market sts. H. C. Rusk (C), Ninth and Market streets. Cost, \$4,000. Storage, Twentieth and Market streets.

Morris Realty Co. (O), 122 South Thirteenth street. Galen Hemperly (C), 120 South Forty-fifth street. Cost, \$800. Residence, 528 Brinton street, Germantown.

Horn & Brannen (O), Broad and Noble streets. A. R. Raff (C), 1635 Thompson st. Cost, \$3,000. Factory, Broad and Noble sts.

H. G. Almond (O), 3320 Arch street. J. Y. Rippin (C), Overbrook. Cost, \$1,000. Residence, Fifty-second and Overbrook avenue.

M. Gebinger (O), 2039 American street. J. Gramlick (C), 1437 North Sixteenth street. Cost, \$1,200. Dwelling, 1251 East Montgomery avenue.

F. F. Fryer (O), 1848 North Twentieth st. Cost, \$1,100. Garage, 1848 North Twentieth street.

J. Magnet (O), 3222 E street. Cost, \$2,200. Store and dwelling, brick, 2 stories, 16x52 feet. Cost, \$38,400. Twenty-four dwellings. Cost, \$32,000. Twenty dwellings, Frankford avenue and Venango street.

D. R. Clayton (O), 3218 Ridge avenue. B. F. Virden (C), 2917 Fletcher street. Cost, \$2,000. Amusement Building, Ford and Monument streets.

Doerning & Beatty (O), Second and Allegheny avenues. E. Molloy (C), 2316 East Lehigh avenue. Cost, \$1,400. Shed, Second and Allegheny avenue.

William M. Frame (O), 4437 Frankford avenue. Cost, \$2,200. Garage, Oakland and Foulkrod streets.

M. E. Rush (O), 5443 Walnut street. Cost, \$1,500. Dwelling, 5443 Walnut street.

J. S. Felton (O), 5440 Rising Sun lane. R. M. Peterson & Sons (C), 5250 Wakefield street. Cost, \$1,100. Garage, 5400 Rising Sun lane.

W. A. Rumpp (O), 4433 Spruce street. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$900. Residence, 4433 Spruce street.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

J. T. Goudie (O), 3419 Howell street. Cost, \$4,200. Two dwellings, brick, 2 stories, 16x40 feet, Howell and Ditman streets.

W. Fischer (O), 3621 North Fifth street. Cost, \$4,200. Twenty-six dwellings, brick, 2 stories, 15x64 feet, Franklin and Cayuga sts. Cost, \$2,100. One dwelling.

City of Philadelphia (O), City Hall. H. L. Brown (C), 1714 Sansom street. Cost, \$20,000. Fire house, 1 story, 60x66 feet, Byberry, Philadelphia.

W. H. Leibrich (O), 2840 Ridge avenue. Cost, \$4,500. Dwelling, brick, 2 stories, 30x43 feet, Stenton avenue and Limekiln pike.

John Burt (O), Broad and Reed streets. E. Urian (C), 1335 South Fifty-eighth street. Cost, \$12,000. Apartment house, brick, 3 stories, 18x61 feet, Broad and Dickinson streets.

Louis Davidson (O), 808 Snyder avenue. Cost, \$45,000. Apartment house, brick, 2 stories, 24x38 feet, Fifty-fifth and Baltimore avenue.

A. Kap-an (O), 2510 South Ninth street. Cost, \$3,000. Dwelling, brick, 3 stories, 15x33 feet. Cost, \$500. Office, 4842 Frankford avenue.

H. B. Shoemaker (O), 1309 Walnut street. Cost, \$2,500. Dwelling, stone, 3 stories, 15x40 feet. Cost, \$5,200. Two dwellings, Wissahickon and Kingsley avenues.

P. Silbermann (O), 312 Carpenter street. S. Lashner (C), 1700 South Fifth street. Cost, \$30,000. Bath house, brick, 2 stories, 64x32 feet, 728 Snyder avenue.

J. W. Mortimer (O), 3024 E street. Cost, \$2,800. Two dwellings, brick, 2 stories, 14x27 feet, Thayer and Emerald streets. Cost, \$2,800. Two dwellings.

E. J. Johnson (O), 1409 North Seventeenth street. A. James (O), Bala, Pa. Cost, \$9,000. Dwelling, stone, 3 stories, 35x36 feet, Germantown.

Hart & Bailey (O), Eighth and Wingohocking street. Cost, \$84,000. Twenty-four dwellings, brick, 2 stories, 16x55 feet, Lindley avenue and Duncannon street.

J. H. Irvin (O), Philadelphia Bank Building. A. J. Rust (C), 1952 East Allegheny avenue. Cost, \$10,000. Dwelling, stone, 3 stories, 36x45 feet, Overbrook.

T. Bernard (O), Oak Lane. H. Trexler (C), 212 East Horter street. Cost, \$2,500. Store, brick, 1 story, 30x50 feet, Oak Lane.

H. C. Forbes (O), 5916 Catherine street. Cost, \$40,600. Twenty-nine dwellings, brick, 2 stories, 16x32 feet, Fifty-eighth and Hazel avenue. Cost, \$40,600. Twenty-nine dwellings. Cost, \$4,200. Two dwellings, \$4,200. One dwelling.

P. E. Weitzel (O), Seventeenth and Westmoreland streets. H. P. Schneider (O), 3713 York road. Cost, \$1,800. Garage, brick, 2 stories, 22x22 feet, Seventeenth and Westmoreland streets.

A. C. Schoen (O), 237 Wyoming avenue. Cost, \$10,200. Six dwellings, brick, 2 stories, 15x30 feet. Cost, \$2,000. One dwelling, Lindley avenue.

J. H. McClatchy (O), Land Title Building. Cost, \$12,000. Two dwellings, stone, 3 stories, 20x37 feet, Overbrook.

Samuel Hunter (O), 6611 North Thirteenth street. Cost, \$7,000. Two dwellings, brick, 3 stories, 16x46 feet, Oak Lane, Philadelphia.

W. H. Ashton (O), 5618 North Second street. Cost, \$5,600. Two dwellings, brick, 2 stories,

Nolan Bros. (O), 3140 Kensington avenue. J. F. Crowl (O), 3127 Belgrade street. Cost, \$800. Store, 3102 Kensington avenue.
Tasty Baking Co. (O), 2335 Sedgley avenue. J. F. Myers & Co. (O), 1237 Ridge avenue. Cost, \$800. Stable, 2311 North Twenty-eighth street.

E. T. Stotesbury (O), Twentieth and Walnut streets. W. Easterbrook (C), 146 North Fourth street. Cost, \$1,000. Residence, 2002 Sansom street.

Charles Hallahan (O), 6447 Overbrook avenue. M. W. Young (C), Overbrook, Philadelphia. Cost, \$2,700. Garage, 6447 Overbrook avenue.

H. Beathe (O), 106 North Fifteenth street. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$5.00. Hotel, 106 North Fifteenth street.

W. P. Wallace (O), 1327 South Fifty-seventh street. J. D. Fisher (C), 5718 Market street. Cost, \$1,250. Garage, Felton and Girard avenue.

Gulf Refining Co. (O), Fifty-eighth and Schuylkill avenue. J. Erman (C), 1024 Cross street. Cost, \$3,200. Fifty-eighth and Schuylkill avenue.

Philadelphia Trust Co. (O), 415 Chestnut street. Alex. Chambley (C), 243 South Tenth street. Cost, \$500. Store, 135 Market street.

A. C. Krumm (O), 1014 Dakota street. H. Gill, Jr., 2515 Germantown avenue. Cost, \$4,000. Stable, 2337 North Ninth street.

E. C. Prayer (O), 4410 Paul street. J. E. Prayer (C), 4410 Paul street. Cost, \$1,500. Factory.

Rushon Marot (O), Clapier and Morris streets. J. B. Ploumiers (C), 1329 Arch st. Cost, \$900. Garage, hollow tile and plaster, 2 stories, 19x21 feet, Clapier and Morris sts.
Cory Israel (O), 980 North Marshall st. Cost, \$3,000. Synagogue, 980 North Marshall street.

Pennsylvania Company for Insurance (O), 517 Chestnut street. John Duncan (C), 920 Walnut street. Cost, \$2,100. Residence, 3754 Germantown avenue.

Archbishop E. F. Prendergast (O), Eighteenth and Race streets. J. E. Kearney (C), 327 North Sixty-third street. Cost, \$4,000. Church, Sixty-third and Callowhill streets.

Saeta & Co. (O), 1117 South Randolph st. Cost, \$1,500. Bakery, 1117 South Randolph street.

Pyretes Company (O), 15 William street, New York City. Cost, \$5,000. Manufacturing Building, Delaware avenue and Porter street.

H. Dayton (O), 8112 St. Martin street. W. J. Gruhler (C), 219 High street. Cost, \$1,000. Dwelling, 8112 St. Martin street.

Allen Lane Garage (O), 22 Allen lane. W. J. Gruhler (C), 219 High street. Cost, \$1,500. Garage, 25x25 feet, 22 Allen lane.

****Announcement is made of the resignation of Mr. Jesse M. Bireks, on March 5th, 1915, as president of Strawbridge & Chase Company, Inc., Audubon, N. J. The re-organization is also announced of the Strawbridge & Chase Company, Inc., with the following officers in active charge and management: Mr. Robert T. Korb, president; Mr. Henry H. Collins, vice-president; Mr. William H. H. Ege, secretary and treasurer. It is the aim and policy of the new management to give to its customers quality of workmanship and material; careful and prompt attention to inquiries, quoting prices that are consistent with first-class workmanship of products. Deliveries to be prompt and true to promises. The Strawbridge & Chase Company are manufacturers of wire goods of all descriptions.**

AN ANCIENT SKYSCRAPER.

Paris some time ago discovered that the originator of the American skyscraper was not an American architect, but a Frenchman, who lived three centuries ago. At the Bibliothèque Nationale there is a volume written by Jacques Perret, of Chambéry, an architect, which describes a skyscraper of the author's invention. This book was written in 1601.

"This grand and excellent pavilion, in which one can lodge 500 persons in comfort and luxury," was to be of 160 feet frontage, 145 feet in depth and walls ten feet thick. The structure was to rise to a height of twelve stories and was to have a small pavilion on the roof surrounded by terraces. The building was proposed to have a total height of 350 feet. This, of course, could hardly be compared to the present skyscraping structures of New York, but shows clearly that the skyscrapers had been thought of three centuries ago, even if only as day dreams.

A PROPAGANDA IN ART.

"You never will have an art age in America until you have art in the kitchen," said Dr. Hamilton Wright Mabie in addressing over 250 members and guests of the School Art League. "The Japanese have the sublime art inspiration because they pay attention to the beauty of everyday utensils. In Japan every little farm and village rivals in beauty the national palace and suggests in miniature that exquisite charm which gives us such pleasure. We as a nation lack imagination. Santa Claus is a thousand times more true than all the railroad time tables in existence. It is the lack of imagination on the part of the average business man which makes him have buildings erected without regard to his neighbors. He does not see with the mind's eye the block and the city, but only the one building in which he is interested. My plea is for more art in the common places; there is a thing worse than immorality and that is vulgarity."

WASTEFUL ESTIMATING.

A report upon the problem of estimating by contractors as at present practised, and prepared by the Illinois Chapter of the American Institute of Architects, states that members of the Chapter investigated the office work of five representative contractors and found that the average number of contracts estimated by each contractor in one year was twenty-two, the average number of jobs which he obtained from these estimates being ten. The average value of the time spent by the office force of each firm on each estimate, including additions by sub-contractors and material men, was \$503.

The report points out that the cost of six bids on a building costing between \$100,000 and \$150,000 ran to over \$3,000, that is, between 2 and 3 per cent. of the whole cost of the work.

Perhaps in no other business to-day is so much unproductive work done at so high a cost. Recognition of the quantity system as a remedy for this evil is spreading and adoption of the measure is bound to come.

AN UNUSUAL PIECE OF GRANITE WORK.

A most interesting piece of granite work has recently been completed at the stone quarries at Crotch Island, Stonington, Maine, where a block of granite 22x22x5½ feet and weighing approximately 225 tons was taken out. The block was used for the production of a huge fountain bowl which when completed was 20 feet 8 inches in diameter and the thickness of the stone at the bottom of the bowl was 3 feet 3¾ inches. The weight was approximately 50 tons. After the block was split out at the quarry it was removed a distance of 600 feet for the purpose of dressing into its completed form. The work was done by the John L. Goss Corporation, Boston, Mass., and the bowl was transported to Pocantico Hills, N. Y., and placed in position on the estate of J. D. Rockefeller.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

REMOUNT DEPOT, Front Royal, Va., April 23, 1915.—Sealed proposals in triplicate for construction, including steam heat, electric light and plumbing of Double N. C. O. Quarters, Civilian Employee's Quarters, Isolated Quarters for Enlisted Men, Veterinary Ward, Colt Stable, Quartermaster Stable, Granary and Hay Sheds, Granary Office, Farm Implement Shed, Coal Shed and Oil House, will be received until 2 P. M. May 24, 1915. Information on application. Constructing Quartermaster.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 14, 1915.—Sealed proposals will be opened in this office at 3 P. M., May 15, 1915, for extension and remodeling of plumbing, etc., in the United States Post Office and Courthouse at Auburn, N. Y., in accordance with drawings and specification, copies of which may be obtained at this office, or at the office of the custodian, Auburn, N. Y., in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 27, 1915.—Sealed proposals will be opened in this office at 3 P. M., June 8, 1915, for the extension, remodeling, etc., of the United States Post Office at Reading, Pa., and for clearing a portion of the post office site. Drawings and specifications may be obtained from the custodian at Reading, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.).

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Aaolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Head Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

C. G. A. Schmidt, Jr. & Co.,
Empire Bldg., Phila.

Contractors' Equipment

C. G. A. Schmidt, Jr. & Co.,
Empire Bldg., Phila.

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York,
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tabular Heating and Ventilating Co.,
232 Quarry st., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York,
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

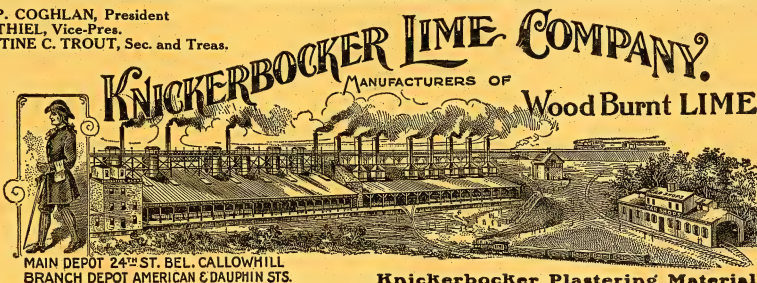
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HYDRIC
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap; it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 19.

PHILADELPHIA, WEDNESDAY, MAY 12, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

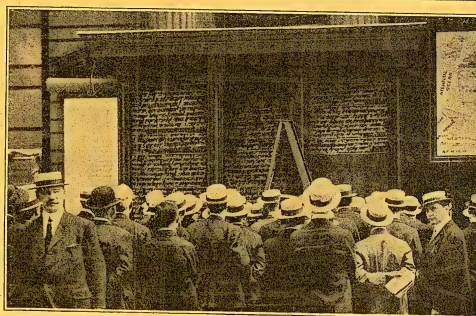
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

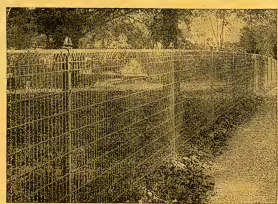
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens **ANCHOR POST FENCES**

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking
Anchor Post Iron Works
W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



DESIGNS

DETAILS

CHAS. H. KOHN & CO.

Structural Engineers

1614 CHERRY ST., PHILADELPHIA

Bell Phone, Spruce 66-33

WATERPROOFING

A Complete Line of

Integral and Membrane
Waterproofings, Dampproofings
Floor Hardeners and
Technical Paints

MAY WE SOLVE YOUR PROBLEM?

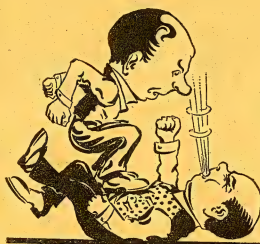
Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING
MATERIALS



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Do Not Forget

when in the market for

WIRE PRODUCTS

THAT WE MAKE EVERYTHING IN WIRE:

Wire Cloth all grades,
Wire Window Guards,
Wire Partitions and Enclosures,
Wire Lath for Plastering Purposes,
Radiator Guards,
Gravel, Sand and Coal Screens,
Sieves and Riddles,
Special Forms.

Strawbridge & Chase Co., Inc.

AUDUBON, N. J.

ROBERT T. KORB, Pres.
HENRY H. COLLINS, Vice-Pres.
WM. H. EGEE, Sec. & Treas.

At Your
Service

Keystone, Main 3597. Bell, Haddon Heights 573.



“F-S” Products stand the
test of time.

Exceptional durability is a strong
quality of our Elastic Gloss Finish. It
is tough, as well as elastic. It dries
free from dust in from 8 to 10 hours.
It will prove worthy of your specification.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(113)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of
efficiency in composition
flooring has been obtained in Leatherfloor.
It is fire-proof, water-
proof, dust-proof, germ
and vermin-proof, noise-
less, non-slipping, flexible,
elastic and inexpensive.

Leatherfloor is admirably
adapted for floors, base and
wainscoting, in Hospitals, Asylums, Schools, Churches,
Libraries, Theatres, Hotels, Restaurants, Apartment Houses,
Factories, Stores, Banks, Steamships, Yachts, Railroad Cars,
Etc. wherever a smooth, sanitary, fire and water-proof flooring
is desired.

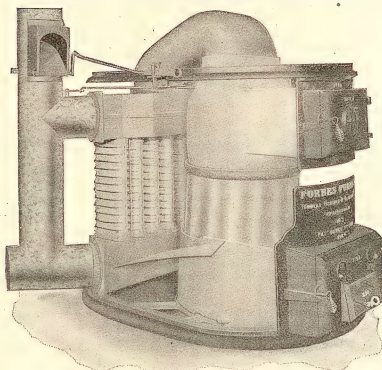
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a
minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction.
Easy to regulate. Quick to respond.

*Illustrated Catalog showing construction, install-
ations and satisfied users mailed on request.*

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

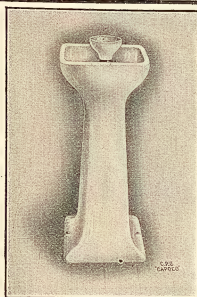


Plate 206 D

"CAPOCO"

Sanitary Vitreous Earthenware

Vitreous China Square Pedestal Bubbler Drinking Fountain, suitable for Hotels, Hospitals, R. R. Stations and all public places. We manufacture a complete line of Drinking Fountains.

Write for *Catalogue D.*

CAMDEN POTTERY CO.
Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



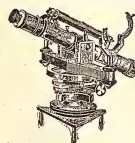
The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

USE SCAMMELL Lath
for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal Furring and Lathing
Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15 to \$15.

Serviceable.

Durable. Will hold adjustments

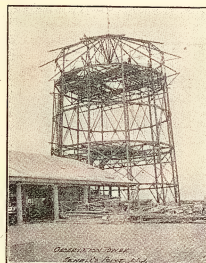


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 8608, 3604. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 19.

PHILADELPHIA, WEDNESDAY, MAY 12, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Parochial School, Chestnut Hill avenue, Philadelphia. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Our Mother of Consolation R. C. Church, Rev. N. J. Vasey, 9 East Chestnut Hill avenue, Philadelphia. Stone, 3 stories, 76x100 feet, slate roof, electric lighting (heating reserved). Architect has received bids.

Residence, Queen Lane, Philadelphia. Architect, S. D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner, H. A. Baxter, 431 West Price street, Germantown. Brick and plaster, 2½ stories, 30x45 feet, shingle roof, electric lighting, oak floors, hot water heating. Architect has received bids.

Warehouse (add.), Fifteenth and Carpenter streets, Philadelphia. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owners, Merchants' Warehousing Co., care of Mr. Michael, Jr., Fifteenth and Carpenter streets, Philadelphia. Brick, 2 stories, 50x400 feet, slag roof, electric lighting, steam heating. Owners have received bids.

Room (alt. and add.), 133 City Hall, Philadelphia. Architect, Louis Marie, City Hall. Owners, City of Philadelphia. Consists of interior alteration and addition, metal lath, electric lighting, tile work, heating. Owners taking bids, due May 12th. The following are figuring: Mitchell Bros., 2125 Race street; Eugene Tourison, 110 Chestnut street; McCloskey-Bahls, Hale Building; J. H. Jordan, Thirty-first and Oxford streets; W. W. Anstine Co., 1214 Filbert street; E. C. Durell, 171 North Twenty-fourth street, all of Philadelphia.

Residence and Store, 617 Poplar street, Philadelphia. Architect, B. J. Medoff & Sons, 524 Walnut street, Philadelphia. Owner, David Cohen, on premises. Brick, 3 stories, 17x50 feet, slag roof, hot air heating, electric lighting. Plans in progress.

Store Building, 755 South Second street, Philadelphia. Architects, B. J. Medoff & Sons, 524 Walnut street, Philadelphia. Owner, Chas. Liser, on premises. Brick, 2 stories, 25x45 feet, slag roof, electric lighting, hot water heating. Plans in progress.

Police Station (alt. and add.), 1416 Frankford avenue and 471 Levering street, Phila-

delphia. Architect, Louis Marie, City Hall, Philadelphia. Owners, City of Philadelphia. Brick, 2 stories, electric lighting, steam heating, lockers, metal lath. Owners taking bids, due May 12th. The following are figuring: F. Roe Searing, Perry Building; Mitchell Bros., 2125 Race street; Eugene Tourison, 1001 Chestnut street; McCloskey-Bahls, Hale Building; J. H. Jordan, Thirty-first and Oxford streets; W. W. Anstine Co., 1214 Filbert street, Philadelphia; E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

Store Building, Front and Allegheny avenue, Philadelphia. Owner, M. Weisbard, 2421 North Twenty-fourth street, Philadelphia. Brick, 3 stories, 20x68 feet, slag roof, electric lighting, steam heating. Owner has received bids.

Store Building, 257-259 North Broad street, Philadelphia. Architect, Charles E. Oelschlaeger, Harrison Building, Philadelphia. Owners, Kelly-Springfield Tire Co., 208 North Broad street, Philadelphia. Brick and terra cotta, 3 stories, 38x120 feet, slag roof, steam heating, electric lighting, elevator, dumb waiter. Architect has received bids.

Hotel (alt. and add.), 47 and 49 North Seventeenth street, Philadelphia. Architect, Carl P. Berger, South Penn Square Building, Philadelphia. Owner, Constantine Haas, Jr., 45 North Seventeenth street, Philadelphia. Brick, 4 stories, 40x45 feet, slag roof, electric lighting, metal frames and sash (heating, steam, reserved). Architect has received bids.

Factory, Arch and Allison streets, Philadelphia. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Samuel Yellin, 217 Jefferson street, Philadelphia. Brick, 2 stories, 50x100 feet, slag roof (heating and lighting reserved). Architects have received bids.

Dwellings (74), Front street and Northeast Boulevard, Philadelphia. Architect, private plans. Builder and owner, Morris Sheen, 512 Crozer Building, Philadelphia. Brick, 2 stories, 15x45 feet, hot water heating, slag roof, electric lighting, parquet floors. Owner taking sub-bids on all lines, due May 12th.

Police Station (alt. and add.), 1416 Frankford avenue and 471 Levering street, Phila-

delphia. Architect, Louis Marie, City Hall, Philadelphia. Owners, City of Philadelphia. Brick, 2 stories, electric lighting, steam heating, lockers, metal lath. Owners taking bids, due May 12th. In addition to those previously reported, Supple Const. Co., Bulletin Building; Robert Tarlo & Son, 415 South Fifth street; Joseph Price, 2050 Rittenhouse street; J. C. Manning, 5647 Hazel avenue; John Garrison, 41 North Fifteenth street, all of Philadelphia, are figuring.

Room (alt. and add.), City Hall (133), Philadelphia. Architect, Louis Marie, City Hall, Philadelphia. Owners, City of Philadelphia. Consists of interior alteration and addition, metal lath, electric lighting, tile work, heating. Owners taking bids, due May 12th. In addition to those previously reported, Supple Const. Co., Bulletin Building; Robert Tarlo & Son, 415 South Fifth street; Joseph Price, 2050 Rittenhouse street; J. C. Manning, 5647 Hazel avenue; John Garrison, 41 North Fifth street, all of Philadelphia, are figuring.

Store and Apartments (alt. and add.), Eighth and York streets, Philadelphia. Architects, Guy King Co., 1519 Walnut street, Philadelphia. Owner, Mrs. A. C. Gramlick, Eighth and Germantown avenue, Philadelphia. Brick, 3 stories, 20x75 feet, slag roof, electric lighting, steam heating. Architects taking bids, due May 17th. The following are figuring: H. H. Wehmeyer, 1004 West Lehigh avenue; J. Sims Wilson, 1125 Brown street; W. R. Dougherty, 1610 Sansom street; A. P. Fraim, 319 Market street; Harry Gill, Jr., 2515 Germantown avenue; E. E. Hollenback, Fifteenth and Race streets.

Store (alt. and add.), 5612 Chew street, Philadelphia (Germantown). Architect, A. R. Holland, 3922 North Franklin street, Philadelphia. Owner, William Mullen, 5612 Chew st., Germantown. Brick, 1 story, 17x30 feet, tin roof, hot air heating. Architect taking bids, due May 11th. J. B. Flounders, 1329 Arch street, Philadelphia, is figuring.

Storage Building, Thirty-eighth and Powelton avenue, Philadelphia. Architect, Horace B. Peterson, 34 South Seventeenth street, Philadelphia. Owners, Powelton Storage Co., on premises. Brick and concrete, 5 stories,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



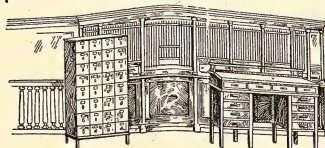
Terrazzo and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



Crown-Adelphia TANK HEATER

This wonderful little heater will furnish an abundance of Hot Water continuously day and night at the cost of a few cents per day.

Installed in the basement, it will not heat the kitchen in summer, and will keep your basement dry.
Furnished in four sizes, No. 1 and 2 recommended for ordinary family use.

CIRCULAR UPON REQUEST

BORDEN STOVE COMPANY

118-122 N. Second Street :: Philadelphia

INSTALLED AND GUARANTEED BY YOUR PLUMBER

45x755 feet, slag roof, electric lighting. Revised plans in progress.

Warehouse (add.), 242 South Fifth street, Philadelphia. Architect, P. N. Greisler, Lafayette Building, Philadelphia. Owner, J. Pinheiro, 1007 Race street, Philadelphia. Brick and concrete, 3 stories, 20x90 feet, slag roof, metal lath, metal frames and sash, dampproofing. Architect taking bids, due May 22nd. The following are figuring: Stacy Reeves & Sons, 2011 Market street; Melver Const. Co., Heed Building; Freund-Seidenbach Co., Bulletin Building; F. Burgard, 922 Buttonwood street, Philadelphia.

Store and Dwelling (alt. and add.), Sixty-third and Theodore avenue, Philadelphia.

Architect, A. B. Gill, 1655 North Fifty-sixth street, Philadelphia. Owner, H. H. Green, care of architect. Brick, 3 stories, 10x20 feet, slag roof. Architect taking sub-bids.

Apartment House, Oxford street and Frankford avenue, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, George T. Sale, Pennsylvania Building, Philadelphia. Brick, 3 stories, slate roof, electric lighting, vapor vacuum heating, tile work (floors reserved). Architects taking bids, due May 20th. The following are figuring: Melver Const. Co., Heed Building; Harry Smink, 5320 North Twelfth street; Joseph Ashby, Second street pike, all of Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Office (alt. and add.), Tenth and Columbia avenue, Philadelphia, \$3,000. Architect, private plans. Owners, Franklin Trust Co., Fifteenth and Market streets, Philadelphia. Brick, 3 stories. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Residence (alt. and add.), 135 West Highland avenue, Chestnut Hill, \$3,500. Architect, Furness Evans, Provident Building, Philadelphia. Owner, W. V. Williamson, on premises. Stone, 2 stories, 15x16 feet, slate roof. Contract awarded to H. N. Biehn, Quakertown, Pa.

Bridge, Fifty-eighth and Gray's avenue, Philadelphia, \$11,900. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, City Hall, Philadelphia. Concrete and steel, 70 feet long. Contract awarded to M. & J. B. McHugh, Commercial Trust Building, Philadelphia.

Store Building, 2846½ Kensington avenue, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, Samuel J. Lyons, on premises. Tapestry bricks, 2 stories, slag roof, hot water heating, metal ceilings, tile work. Contract awarded to Stewart Bros., 2526 North Orkney street, Philadelphia.

Loft Building, Eleventh and Brandywine streets, Philadelphia. Architects, Day & Klauder, 925 Chestnut street, Philadelphia.

Owner, Ed. J. Schoettle Co., 237 North Sixth street, Philadelphia. Brick, steel and concrete, 8 stories, 100x112 feet, slag roof, electric lighting, steam heating, metal frames and sash, waterproofing, iron stairs, safety treads. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

New Porch, Broad and Wolf streets, Philadelphia. Architects, Stearns & Caster, Stephen Girard Building, Philadelphia. Owners, Methodist Episcopal Hospital, on premises. Stone and frame, 1 story, canvas roof, electric light, steam heating. Contract awarded to F. E. Wallace, 1210 Sansom street, Philadelphia.

Residence, Overbrook, Philadelphia. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, De Witt Irwin, City Line and Lancaster avenue, Philadelphia. Stone, 2½ stories, 28x60 feet, shingle roof (hot air heating, plumbing and electric work reserved). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Residence (alt. and add.), 108 Gowan avenue, Mt. Airy, Pa., \$1,300. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, T. Y. Olsen, Mt. Airy, Philadelphia. Stone and brick, 2½ stories, slate and slag roof, new porches. Contract awarded to T. C. Trafford, 1613 Sansom street, Philadelphia.

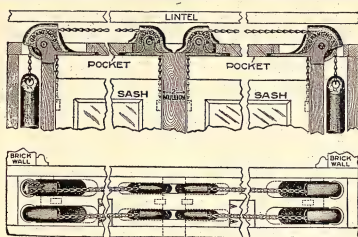
UNITAS TILING

A non-metallic substitute for tile and wood

Manufactured by the
Embossed Wall Covering Co.
Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted.
Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

PENNSYLVANIA Construction News

Dormitory, Harrisburg, Pa., \$30,000. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owners, Harrisburg Academy, Professor Brown, Harrisburg, Pa. Brick, stone trimmings, 3 stories, 112x34 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will soon take bids.

Manse, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Tully Memorial Presbyterian Church, Sharon Hill, Pa. Stone, hollow tile and plaster, 2½ stories, 30x60 feet, slate roof, electric lighting, hot water heating, oak floors. Architects taking bids, due May 17th. The following are figuring: John Duncan, 920 Walnut street; William R. Dougherty, 1610 Sansom street; H. E. Grau, 1709 Sansom street; T. C. Trafford, 1213 Sansom street; E. E. Wallace, 1210 Sansom street; Pomeroy Construction Co., 1609 Ransstead street; F. L. Hoover & Son, 1023 Cherry street; E. J. Kreitzburg, 1345 Arch street; Frank G. English, 1610 North Carlisle street, Philadelphia.

Residence, Norwood, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, P. S. Gibbin, Norwood, Pa. Hollow tile and plaster, 2½ stories, 33x50 feet, shingle roof, electric lighting, hot water heating. Architect taking bids, due May 15th. F. G. English, 1610 North Carlisle street, Philadelphia, only bidder.

Residences (2), Springfield, Pa. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building, Philadelphia. Stone and frame, 2½ stories, 24x30 feet, slate roof, electric lighting, hot air heating, oak floors. Architects taking bids, due May 13th. The following are figuring: R. C. Ballinger Co., 218 North Thirteenth street; W. P. Johnson, 4039 Lancaster avenue; W. Harry Roberts, Newtown Square, Pa.; George B. Turner, Llanerch, Pa.; E. O. Lobb, Llanerch, Pa.

Residences (2), Springfield, Pa. Architects,

Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building, Philadelphia. Stone and frame, 2½ stories, 29x31 feet, slate roof, hot air heating, electric lighting, oak floors. Architect taking bids, due May 13th. The following are figuring: R. C. Ballinger, 218 North Thirteenth street; W. P. Johnson, 4039 Lancaster avenue, Philadelphia; W. Harry Roberts, Newtown Square, Pa.; George B. Turner, Llanerch, Pa., and E. O. Llob, Llanerch, Pa.

Church, Derry, Westmoreland Co., Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Paul's Reformed Church, Derry, Pa. Brick and hollow tile, 1½ stories, 40x70 feet, slate roof, steam heating, electric lighting, metal lath. Plans in progress.

Church (alt. and add.), South Bethlehem, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Peter's Lutheran Church, South Bethlehem, Pa. Brick, stone trimmings, 2 stories, slate and composition roof, steam heating, electric lighting, metal lath. Plans in progress.

College Building (add.), Haverford, Pa. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, Chase Hall, Haverford College, Pa. Stone, 2½ stories, 36x45 feet, slate roof (heating and lighting reserved). Architects have received bids.

Garage and Greenhouse, Moylan, Pa. Architect, Walter C. Price, 714 Walnut street, Philadelphia. Owner, Alfred C. Elkinton, Moylan, Pa. Stone, 1½ stories, 24x41 feet, shingle roof, electric lighting, steam heating. Owner has received bids.

Residence, Wyndmoor, Pa. Architect, W. T. Godfrey, Wyndmoor, Pa. Owner, William F. Hophan, 7932 Germantown avenue, Philadelphia. Hollow tile and plaster, 3 stories, 25x40 feet, wing, 12x20 feet, slate roof, electric light, hot water heating, oak floors. Architect has received bids.

Residence, Beth Ayers, Pa. Architect, Thos.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



BUILDERS' MILL WORK FOR SALE

N. E. Cor. Mascher and Master Streets

Four story mill, 31x60, with adjoining yard, 48x60, containing boiler, engine and machinery in first class condition for wood-working mill, immediate possession; will rent cheap to responsible tenant and make terms to purchaser. Will sell machinery separate. Phone Walnut 1460 or Race 1793.

GEORGE H. JOHNSON, 1218 Chestnut St, Phila.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

C. G. A. SCHMIDT, JR. & CO.
EMPIRE BUILDING, PHILA. PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

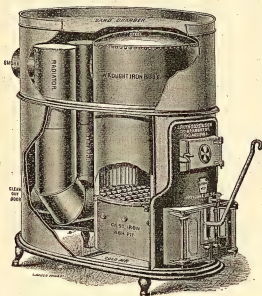
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Wise builders are now looking upon Gas installations as the highest type of insurance; for by equipping their operations with the proper facilities for the use of gas appliances they are not only meeting a popular demand but making quick sales.

Consult with the "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

B. Lippincott, Beth Ayres, Pa. Owner, Walter G. MacFarland, Asbury Terrace, Oak Lane, Pa. Hollow tile and plaster, 2½ stories, 21x45 feet, shingle roof, electric light, steam heating. Plans in progress.

Building (alt. and add.), Chester, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Philadelphia Suburban Gas and Electric Co., Chester, Pa. Brick, 2 stories, consists of new tile roof and interior alteration. Architects have received bids.

Storage Building, Roelofs, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Joseph Heacock & Co., Roelofs, Pa. Brick and concrete, 1 story, 45x60 feet, slag roof, electric lighting. Architects have received bids.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Hotel, Easton, Pa., \$60,000. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owners, Franklin House, Easton, Pa. Brick, 5 stories, 50x60 feet, slag roof, steam heating, electric lighting, elevator, tile and terrazzo floors. Plans in progress.

Residences (100), Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owner's name withheld. Hollow tile, frame and stucco, 2 stories, 28x35 feet, slag roofs, hot air heating, electric lighting, metal lath. Plans in progress.

Residence, Easton, Pa., \$12,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, Robert Stotz, Easton, Pa. Stone and stucco, 2½ stories, 31x81 feet, slate roof, hot air heating, electric lighting, hardwood floors, tile work, dampproofing. Architect ready for bids.

Twin Residence, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, J. C. Henry, South Bethlehem, Pa. Brick, 2 stories, 43x25 feet, slate roof, hot air heating, electric lighting. Plans completed. Owner ready for bids.

Church, Shenandoah, Pa., \$16,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, United Evangelical Church, Shenandoah, Pa. Frame, 1 story, 41x75 feet, slate roof, steam heating, gas and electric lighting. Architect and owner ready for bids.

Residence, Bethlehem, Pa., \$10,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Howard Knecht, Bethlehem, Pa. Brick and stucco, 3 stories, 40x38 feet; wing, 32x13 feet, slate and tile roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in a few days.

Lodge, Theatre and Offices, Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owners, P. O. S. of A., Washington Camp, No. 542, Easton, Pa. Brick, 3 stories, 44x130 feet, composition roof, steam heating, electric lighting, composition flooring. Plans in progress. Architect will take bids in three weeks.

Residence, Bristol, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, David Landreth, Bristol, Pa. Hollow tile and plaster, 2½ stories, 37x40 feet, slate roof, electric lighting, steam or hot water heating. Plans in progress.

Factory (add.), Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Auto Car Co., Ardmore, Pa. Brick and concrete, 3 stories, 60x96 feet, slag roof, metal frames and sash (heating and lighting reserved). Architects taking bids, due May 15th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; W. R. Dougherty, 1610 Sansom street; Stacy Reeves & Sons, 2011 Market street; J. N. Gill Co., Heed Building; Roydhouse-Arey Co., Fidelity Building; L. P. McNeill, 1719 Sansom street; Frank G. Stewart, 1610 Sansom street, Philadelphia; F. H. Mahan, Ardmore, Pa.

Armory, Lebanon, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, State of Pennsylvania, care of Armory Board,

Harrisburg, Pa. Brick, stone, fireproof, 2 stories, 62x120 feet, slag roof, electric lighting, steam heating, maple floors, metal lath, metal frames and sash, metal lockers. Owners have received bids.

Residences (2), Haverford, Philadelphia. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner's name withheld. Stone and frame, 2½ stories, 33x60 feet, slate and shingle roof, hot water heating, electric lighting, oak floors. Plans in progress. Bids in about two weeks.

Apartment House, Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owners, P. O. S. of A., Washington Camp, No. 542, Easton, Pa. Brick, 4 stories, 37x43 feet, composition roof, steam heating, electric lighting, composition flooring. Plans in progress. Architect will take bids in three weeks.

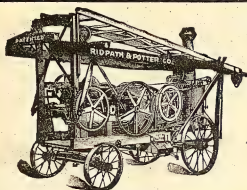
High School, South Bethlehem, Pa., \$175,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Board of Education, Dr. Yost, Secretary, South Bethlehem, Pa. Brick, 3½ stories, 125x146 feet, composition roof (heating and plumbing and electric work separate bids). Owners taking bids, due May 27th. Plans may be obtained from architect upon a deposit of \$100. The following are figuring: Charles McCaul Co., 1713 Sansom street, Philadelphia; James H. Wells, Heed Building, Philadelphia; Robert S. Rathburn, Allentown, Pa.; Butz & Clader, Allentown, Pa.; Groman Bros., W. F. Danzer, Stout & Burtling, all of Bethlehem, Pa.

Apartment House, Narberth, Pa. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owners, Caldwell Co., Narberth, Pa. Hollow tile and plaster, 3 stories, 100x102 feet, tile roof, electric lighting, steam heating. Plans in progress.

Silk Mill, Dorranceton, Pa., \$150,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., Hazelton, Pa. Consists of a group of 1 and 2-story buildings, brick and concrete, composition roofs, steam heating, electric lighting. Architect taking bids, due May 20, in their New York office at 10 A. M. The following are figuring: Cramp & Co., Denckla Building; Barclay White Co., Perry Building; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; Irwin & Leighton, 126 North Twelfth street, all of Philadelphia; S. Y. Fredericks, Hazelton, Pa.; Shepherd Construction Co., Wilkes-Barre, Pa.; J. W. Ferguson, Paterson, N. J.; United Fireproofing Co., 1133 Broadway, New York City; Amsterdam Building Co., 140 West Forty-second street, New York City.

Shop Building, Eddystone, Pa. Architect, private plans. Owners, Baldwin Locomotive Works, care of Bernard Converse, Broad and Spring Garden streets, Philadelphia. Hollow tile and steel, 1 story, 1040x516 feet, roofing not decided. Owners will take sub-bids.

Sub-Stations (2), Shenandoah and Mahanoy City, Pa. Architects, Schofield Eng. Co., Commercial Trust Building, Philadelphia. Owners, Schuylkill Valley Gas and Electric



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

Co., Pottsville, Pa. Brick, steel and concrete, 2 stories, 30x80 feet and 25x90 feet, slag roof. Plans in progress. Bids in about two weeks.

Residence, Larchmont, Pa. Architect, A. B. Gill, 1655 North Fifty-sixth street, Philadelphia. Owner, George W. Rowley, care of architect. Stone and frame, $2\frac{1}{2}$ stories, 22x35 feet, shingle roof, electric lighting, hot water heating. Architect taking bids, due May 12th. The following are figuring: E. P. Yarnall, 1512 North Fifty-sixth street; R. G. Ward, 6316 Reedland street; G. W. Clemens, Fifty-fourth and Vodge streets; M. Roy Shoen, 450 Wilton street; J. W. Meckert, Glenolden, Pa.; Supplee Const. Co., Bulletin Building, all of Philadelphia.

Residence, Highland Park, Pa. Architect, A. B. Gill, 1655 North Fifty-sixth street, Philadelphia. Owner, H. C. Stauffer, care of architect. Stone and frame, $2\frac{1}{2}$ stories, 36x40 feet, shingle roof, electric lighting, tile work, hot water heating. Architect taking bids, due May 18th. The following are figuring: M. Roy Sheen, 450 North Wilton street; R. G. Ward, 6316 Reedland street; J. Seule, Sixty-ninth Street Terminal; Supplee Const. Co., Bulletin Building; C. A. Legattas, 322 North Gross street, all of Philadelphia; George Col-

lins and E. Holland, both of Highland Park, Pa.

Residence, Wynewood, Pa. Architect, H. B. Peterson, 34 South Seventeenth street, Philadelphia. Owner, Mrs. M. De M. Smith, Wynewood, Pa. Stone, $2\frac{1}{2}$ stories, 35x68 feet, shingle roof, hot water heating, electric lighting, oak floors. Architect taking bids, due May 15th. The following are figuring: J. N. Gill, Heed Building; M. W. Young, Overbrook, Pa.; Alfred James, Pala, Pa.; W. D. Smedley, Narberth, Pa.; G. L. Croll, Rosemont, Pa.; Gray Bros., Rosemont, Pa.

Residence, Elkins Park, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, J. M. Herr, Hale, Building, Philadelphia. Hollow tile and plaster, $2\frac{1}{2}$ stories, 28x50 feet, shingle or tile roof, electric lighting, vapor vacuum or hot water heating, oak floors. Architects taking bids, due May 15th. The following are figuring: R. T. Sparks, Merion, Pa.; W. J. Stevens, Wynecote, Pa.; M. E. Hauser and Krewson Bros., both of Glenside, Pa.; J. B. Flounders, 1329 Arch street; Specht & Sperry, Heed Building; Harry Davis, 5100 Westminster avenue; A. Whitehead, Inc., 1624 Latimer street, all of Philadelphia.

PENNSYLVANIA Contracts Awarded

Residence, Highland Park, Pa. Architect, Wesley Blithe, 618 Chestnut street, Philadelphia. Owner, Joseph Horton, Lansdowne, Pa. Stone and frame, $2\frac{1}{2}$ stories, 30x40 feet, shingle roof, electric lighting, hot air heating, oak floors, canvas roof. Contract awarded to G. B. Turner, Highland Park, Pa.

Garage, Villa Nova, Pa., \$15,000. Architects, Furness & Evans Co., Provident Life Building, Philadelphia. Owner, Edgar B. Howard, Real Estate Trust Building, Philadelphia. Stone, $2\frac{1}{2}$ stories, 30x60 feet, slate roof, electric lighting, hot water heating. Contract awarded to E. J. Hadden, Finance Building, Philadelphia.

Residences (6), Willow Grove, Pa., \$18,000. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, $2\frac{1}{2}$ stories, 24x28 feet, slate roof, electric lighting, steam heating. Con-

tract awarded to J. A. Gerhart, 7201 Charlton street, Germantown.

Bank Building, Pottstown, Pa. Architects, Mowbray & Uffinger, 516 Liberty street, New York City. Owners, National Bank of Pottstown, Pottstown, Pa. Brick, stone and steel, fireproof, 1 story, 33x150 feet, slag roof, electric lighting, steam heating, metal lath, metal sash and frame, waterproofing, iron stairs. Contract awarded to F. H. Keiser, Pottstown, Pa.

Garage, Bryn Mawr, Pa. (alt. and add.) Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, A. R. Montgomery, Bryn Mawr, Pa. Brick, 2 stories, hot water heating, electric lighting. Contract awarded to Gray Bros., Rosemont, Pa.

High School, Towanda, Pa., \$76,500. Architects, Pierce & Bickford, Elmira, N. Y. Owners, Board of Education, Towanda, Pa. Brick and concrete, fireproof, 3 stories, 98x150 feet,



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
EST. BLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work
Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD" ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

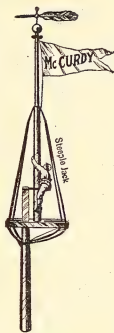
ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa. 210 Fulton Street, New York City
30 and 36 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.
PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.



TO MEET THE INCREASED DEMAND
we have just completed another large lot of our 1915 Model
"Sterling" Convertible Builders' Levels
and we are again in position to make IMMEDIATE DELIVERIES.

The new TIME-SAVING FEATURES are WORTH INVESTIGATING, and
you are invited to visit our Factory and examine the most PRACTICAL, SERVICE-
ABLE and EFFICIENT Level Made!

WARREN-KNIGHT COMPANY

Factory and Salesroom

136 N. TWELFTH STREET

PHILADELPHIA
"World's Greatest Workshop"

slag roof, metal lath, slate blackboards. Contract awarded to Warren Construction Co., Jamestown, N. Y.

Passenger and Freight Stations (9), near Scranton, Pa. Architect, Frank J. Nies, Hoboken, N. J. Owners, D. L. & W. R. R. Co., care of C. J. Gray, Chief Engineer, Hoboken, N. J. Brick and concrete, 1 story, tile roofs, steam heating, electric lighting, safety treads, waterproofing. Contract awarded to A. Badley, Binghamton, N. Y.

Garage, Haverford, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Miss A. Hartshorne, Haverford, Pa. Hollow tile and plaster, 2½ stories, 22x30 feet, shingle roof, electric lighting, hot water heating. Contract awarded to Elfreth & Wood, 1708 Sansom street, Philadelphia.

Twin Residence, Easton, Pa., \$4,200. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Brick and shingle, 3 stories, 32x40 feet, slate and tin roof, hot air

heating, gas and electric lighting. Contract awarded to George Lutz, Easton, Pa.

Residence, Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owner, Harlan E. Woehrie, Easton, Pa. Stone and shingle, 2½ stories, 38x33 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to William Snyder, Easton, Pa.

Manufacturing Buildings (6), Harrisburg, Pa., \$100,000. Engineers, Day & Zimmerman, 608 Chestnut street, Philadelphia. Owners, W. O. Hickok Manufacturing Co., Harrisburg, Pa. Brick, concrete and steel, 1 and 2 stories. Main building, 150x263 feet; foundation, 60x100 feet; lumber shed, 60x200 feet; pattern storage, 35x45 feet; power house, 35x40 feet; storage bins, 16x45 feet; composition roofs, steel stack, waterproofing, metal lath, metal frames and chash (heating, plumbing, electric work, elevators reserved). Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

NEW JERSEY

Construction News

Silk Mill, Phillipsburg, N. J., \$15,000. Owners, Reynolds & Terill, Phillipsburg, N. J. Architect, W. M. Michler, Drake Building, Easton, Pa. Brick, 2 stories, 120x140 feet, slag roof, steam heating, electric lighting. Architect ready for bids.

Stores and Flats, Alpha, N. J., \$10,000. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owner, Emil M. Autol, Alpha, N. J. Brick and concrete, 2 stories, 75x50 feet, slate roof, hot air heating, gas and electric lighting. Owner is sub-letting all contracts.

Club House (alt. and add.), Broadway and Federal street, Camden, N. J., \$25,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, B. P. O. E., Broadway and Federal streets, Camden, N. J. Brick, 4 stories. Plans in progress.

Bank Building, Woodbury, N. J., \$30,000. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Woodbury Trust Co. and Farmers and Mechanics' National Bank, Woodbury, N. J. Brick, stone and concrete, 1 and 2 stories, 23x88 feet, slag roof, steel sash, tile and marble work (heating, electric work and banking fixtures reserved). Architect taking bids, due May 17th. The following are figuring: H. L. Brown, 1714 Sansom street; R. C. Ballinger Co., 218 North

Thirteenth street; F. L. Hoover & Sons, 1023 Cherry street, all of Philadelphia; Joseph B. Best, Woodbury, N. J.; J. S. Rogers Co., Moorestown, N. J.; Edward P. Henry, Woodbury, N. J.

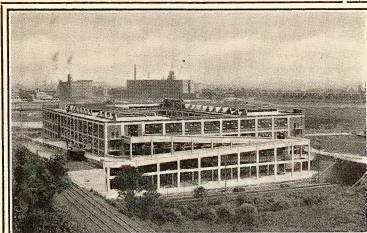
Church (alt. and add.), Gloucester, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Church of the Ascension, Gloucester, N. J. Brownstone, 1 story, shingle and slag roof, steam heating. Revised plans in progress.

School Building, Millville, N. J., \$75,000. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Board of Education, D. C. Lewis, President, Millville, N. J. Brick and stone trimmings, fireproof, 2 stories and basement, 111x161 feet, slag roof, maple floors, electric light, metal lath, safety treads, dampproofing (heating and ventilating system separate bids). Owners taking revised bids, due May 15th. Berry-Goodwin, 136 South Fourth street; James H. Wells, Heed Building; Alex. Chambley, 243 South Tenth street; W. Beaumont, Stephen Girard Building; William R. Dougherty, 1610 Sansom street; F. Roe Searing, Perry Building; McCloskey-Bahls, Hale Building, Philadelphia; George W. Shaner, Palmyra, N. J.; C. D. Wilmot, Haddon Heights, N. J.; W. R. Titus, Woodbury, N. J.; J. D. Pasquali, Vineland,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

N. J.; Kimbell, Prince Lumber Co., Millville, N. J., are figuring.

Hospital (add.), Northfield, N. J. Architect, S. Hudson Vaughn, Bartlett Building, Atlantic City, N. J. Owners, Atlantic County Hospital, Atlantic City, N. J. Brick, 1 and 2 stories, 31x275 feet; wings, 34x27 feet and 34x55 feet, shingle roof, composition floors, waterproofing (heating and lighting reserved). Owners have received bids.

Service Building, Trenton, N. J., \$12,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, Gomery-Schwartz Motor Car Co., 253 North Broad street, Philadelphia. Brick, 2 stories, 62x85 feet, slag roof, steam heating, electric lighting, concrete floors, steel sash. Plans completed. Architects ready for bids.

Hosiery Mill, Trenton, N. J. Architect, W. U. Jury, Shamokin, Pa. Owners, W. F. Taubel, Inc., Riverside, N. J. Brick, 3 stories, 50x120 feet, slag roof, steam heating, electric lighting, elevators. Plans in progress.

Hosiery Mill, Eighth and Spruce streets, Camden, N. J. Architect, W. U. Jury, Shamokin, Pa. Owners, W. F. Taubel, Inc., Riverside, N. J. Brick, 3 stories, 50x150 feet, slag roof, steam heating, electric lighting, elevators. Plans in progress.

Residences (4), Westfield avenue, Camden, N. J. Architect, private plans. Owners, King & Yeager, 1407 Haddon avenue, Camden, N. J. Brick, 2 stories, 14x46 feet each, slag roofs, hot air heating. Owners are sub-letting all contracts.

Residences, 1107 Liberty street, Camden, N. J. Architect, private plans. Owner, Benjamin Kaufman, 1129 Lemon street, Camden, N. J. Brick, 2 stories, 16x40 feet, slag roof, hot air heating. Owner is sub-letting all contracts.

Residences (2), 1913-15 South Seventh st., Camden, N. J. Architect, private plans. Owner, Tony Prowdzik, 1262 Thurman street, Camden, N. J. Brick, 2 stories, 16x32 feet, slag roof, hot air heating. Owner is sub-letting all contracts.

Factory (add.), Camden, N. J. Architect, private plans. Owners, Camden Forge Co., Mt. Ephraim Pike, Camden, N. J. Steel and corrugated iron, 1 story, 60x175 feet, corrugated iron roof, electric lighting. Owners are sub-letting all contracts.

Residences (2), Camden, N. J. Architect, private plans. Owner, Martin C. Christianen, 848 Woodland avenue, Camden, N. J. Brick, 2 stories, 14x46 feet each, slag roof,

hot air heating. Owner is sub-letting all contracts.

Police Station (alt. and add.), Trenton, N. J., \$10,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, City of Trenton, Department of Public Safety, City Hall. Brick, 1 story, 40x80 feet, tin roof, steam heating, electric lighting, shower baths, metal lath. Owners taking bids. The following are figuring: C. Y. Barlow, C. J. Smith, Lewis Levy & Joseph Hopewell, D. Tietz & Son, Burton & Burton, Joseph Grugan, Scott & Day, William Musson, Samuel H. Hilton, I. Harper Clayton, Fred R. Parker, Wm. R. Ivins, Wm. Hicks, S. W. Mather & Son, Edward Reiger, E. A. Stout, all of Trenton, N. J.

Police Station (alt. and add.), Trenton, N. J., \$15,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, City of Trenton, Department of Public Safety, City Hall. Brick, 1 story, 30x30 feet, slag roof, hot water heating, electric lighting, metal lath, shower baths. Owners taking bids. The following are figuring: C. Y. Barlow, C. J. Smith, Lewis Levy & Son, Joseph Hopewell, D. Tietz & Son, Burton & Burton, Joseph Grugan, Scott & Day, Wm. Musson, Samuel H. Hilton, I. Harper Clayton, Fred R. Parker, Wm. R. Ivins, Wm. Hicks, S. W. Mather & Son, Edward Reiger, all of Trenton, N. J.

Church, Trenton, N. J., \$16,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Shiloh Baptist Church, Trenton, N. J. Brick and terra cotta, 1 story, 35x62 feet, slate roof, electric lighting, steam heating, metal lath, dampproofing. Architects ready for bids.

School (add.), Hamilton Township, Pa., \$9,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Board of Education of Hamilton Township. Brick, 1 story, 80x25 feet, slate roof, hot air heating, electric lighting, cement floors, metal lath. Ready for bids.

School, Eldridge Park, N. J., \$8,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, School Board, Eldridge Park, N. J. Brick, 1 story, 63x35 feet, slate roof, steam heating, electric lighting, concrete floors, metal lath. Ready for bids.

Crescent Temple, Trenton, N. J., \$40,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Ancient Order of Arabic Nobles of the Mystic Shrine, Trenton, N. J. Brick and terra cotta

When placing your roofing contract, remember the use of only the best materials combined with skilled workmen produce satisfactory results.

JOHNSON'S ROOFS have outlived the usefulness of hundreds of Buildings.

Before placing your roofing contracts, get our Estimate.

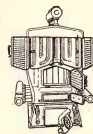
T. S. Johnson Sons Co.

ROOFING and SHEET METAL WORK

622 Cherry Street

PHILADELPHIA - PA.

== MILLS ==



"Reputation"

Some of the most famous buildings in the country are equipped with Mills Water Tube Boilers.

They are always found where "GOOD QUALITIES" count.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms
2016-18-20 Ranstead Street

Philadelphia
Pa.

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

HARTMAN BLDG.
VAPOR HEATING CO., YORK : PA.

and stone, 2 stories, 90x120 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing and waterproofing. Plans in progress. Architects will take bids in two weeks.

Residence, Haddon Heights, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, G. Ibbiken, care of architect. Stone and frame, 2½ stories, shingle roof, electric lighting, hot water heating. Architect taking bids, due May 20th. The following are figuring: S. L. Sherman, Collingswood, N. J., and G. F. Bachman, 19 North Thirtieth street, Camden, N. J.

Cottage, Clinton, N. J., \$30,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Reformatory for Women, Clinton, N. J. Hollow tile and plas-

ter, 2½ stories, 28x80 feet; wing, 28x50 feet, slate roof, steam heating, electric lighting, composition floors. Lowest bid submitted by Jersey City Construction Co., 75 Montgomery street, Jersey City, N. J.

Normal School (alts.), Trenton, N. J., \$3,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State of New Jersey, State Capitol, Trenton, N. J. Consists of new toilet and plumbing fixtures. Plans in progress.

Residences (4), Trenton, N. J., \$6,000. Architect, private plans. Owner, Samuel Hilton, Forst Richey Building, Trenton, N. J. Brick, 2½ stories, 12x30 feet each, slate and tin roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

NEW JERSEY

Contracts Awarded

Bank Building (alt. and add.), Camden, N. J. Architect, Clyde S. Adams, 1509 Arch st., Philadelphia. Owners, Broadway Trust Co., Camden, N. J. Brick and stone, 2 stories, 20x45 feet, slag roof, steam heating, electric lighting (tile work and fixtures reserved). Contract awarded to William Wifford, 525 Market street, Camden, N. J.

Cabinet Factory (add.), Camden, N. J., \$250,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, steel and concrete, 5 stories, 150x300 feet, slag roof, electric lighting, steam heating, safety treads, waterproofing. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Toilet and Wash Rooms, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Concrete, 1 story, 24x30 feet (heating and lighting reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Picture Theatre, Oxford, N. J. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owner, Dr. Hoagland, Oxford, N. J. Frames and galvanized iron, 1 story, 30x100 feet, slag roof, steam heating,

electric lighting. Contract awarded to George Lutz, Easton, Pa.

Residences (8), Twenty-seventh and Howell streets, Camden, N. J. Architect, private plans. Owner, William F. Kelley, 423 Market street, Camden, N. J. Brick, 2 stories, 14x37 feet each, slag roof, hot air heating. Contract awarded to B. F. Stout, Camden, N. J.

Garages (8), 922 North Eighth street, Camden, N. J. Architect, private plans. Owner, Levi J. Troth, Fifth and Byron streets, Camden, N. J. Brick, 1 story, 8x20 feet each, slag roofs, electric lighting, cement floors. Contract awarded to Bae Barklow & Fulton, 506 Cherry street, Camden, N. J.

Garages (8), 1013 North Sixth street, Camden, N. J. Architect, private plans. Owner, Levi J. Troth, Fifth and Byron streets, Camden, N. J. Brick, 1 story, 9x20 feet each, slag roofs, electric lighting, cement floors. Contract awarded to Bae Barklow & Fulton, 506 Cherry street, Camden, N. J.

Store and Apartments, Bordentown, N. J., \$17,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, the Misses Ketchum, Trenton, N. J. Brick, 2½ stories, 35x80 feet, slate and tin roof, hot water heating, electric lighting, metal lath. Contract awarded to Louis Levy & Son, Trenton, N. J.

20x28 feet, waterproofing. Contract awarded to James McGraw Co., Commercial Trust Building, Philadelphia.

Club House, Middleton, Del. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owners, New Century Club, Middleton, Del. Hollow tile and plaster, 50x70 feet, shingle roof, electric lighting (heating reserved). Architect taking bids, due May 15th. The following are figuring: W. D. Haddock, Wilmington, Del.; Albert H. Jones, Wilmington, Del.; W. S. & A. M. Culp, Chestertown, Md.; James W. Johns, Warwick, Md.; W. L. Torbert, Laurel, Del.

Store Building, Ninth and Tattall streets, Wilmington, Del. Architects, Brown & White-side, du Pont Building, Wilmington, Del. Owner's name withheld. Brick, 3 stories, 60x75 feet, slag roof (heating and lighting reserved). Architects have received bids.

Residence, Centerville, Del., \$100,000. Architect, H. T. Lindeberg, 2 West Forty-seventh street, New York City. Owner, Eugene du Pont, du Pont Building, Wilmington, Del. Brick, 2½ stories, 36x185 feet, slate roof, fireproofing, waterproofing, metal lath, oak floors,

bond (heating and lighting reserved). Contract awarded to Frank N. Goble, No. 1 East Forty-second street, New York City.

Maryland Construction News

Apartment House (add.), Thirty-third and St. Paul street, Baltimore, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owners, Boulevard Apartment House Co., on premises. Brick, 3 stories, 69x92 feet, tile roof, hot water heating, electric lighting. Architect will soon award contract.

Residence (alt. and add.), 2318 North street, Baltimore, \$5,000. Architects, Owens & Sisco, Continental Building, Baltimore, Md. Owner, Dr. R. O. Sadler, on premises. Brick, 3 stories, 20x15 feet, tin roof, electric lighting, steam heating. Plans in progress.

Maryland Contracts Awarded

Factory, Commerce and Water streets, Baltimore, \$55,000. Architects, The Canton Company, Second and Toone streets, Baltimore. Owner, W. W. Boyer & Co., 2327 Boston street, Baltimore. Brick and concrete, 4 stories, 90x140 feet, 35x150 feet and 26x58 feet, slag roof, steel sash, steam heating, electric lighting. Contract awarded to Burns & Russell, American Building, Baltimore, Md.

Garage, 2502 Entaw Place, Baltimore, \$33,000. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owner, Isaac E. Emerson, Bromo Seltzer Tower Building, Baltimore, Md. Brick, 2 stories, 110x119 feet, slag roof, steam heating, electric lighting. Contract awarded to R. B. Mason, 308 West Madison street, Baltimore.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

REMOUNT DEPOT, Front Royal, Va., April 23, 1915.—Sealed proposals in triplicate for construction, including steam heat, electric light and plumbing of Double N. C. O. Quarters, Civilian Employee's Quarters, Isolated Quarters for Enlisted Men, Veterinary Ward, Colt Stable, Quartermaster Stable, Granary and Hay Sheds, Granary Office, Farm Implement Shed, Coal Shed and Oil House, will be received until 2 P. M. May 24, 1915. Information on application. Constructing Quartermaster.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 27, 1915.—Sealed proposals will be opened in this office at 3 P. M. June 8, 1915, for the extension, remodeling, etc., of the United States Post Office at Reading, Pa., and for clearing a portion of the post office site. Drawings and specifications may be obtained from the custodian at Reading, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Miscellaneous Construction News

Telephone Exchange (alt. and add.), Wilmington, Del. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Diamond State Telephone Co., Thirteenth and Arch streets, Philadelphia. Brick and concrete, 3 stories, slag roof, electric lighting, steam heating, waterproofing and dampproofing, tile work, safety treads, metal lath. Architect taking bids, due May 13th. The following are figuring: J. Myers & Sons Co., Witherspoon Building; Chas. Mc Caul Co., 1713 Sansom street; Pomeroy Const. Co., 1609 Ransstead street; H. E. Baton, 1210 Sansom street; F. W. Van Loon, Denekla Building, all of Philadelphia.

Church, Washington, D. C. Architects, Charles Bolton & Sons, Witherspoon Building, Philadelphia. Owners, St. Andrew's Episcopal Church, Washington, D. C. Stone, 1 story, 75x180 feet, slate roof. Plans completed. Architect ready for bids.

Bridge No. 12, Guyencourt, Del. Architect, Samuel T. Wagner, Twelfth and Market sts., Philadelphia. Owners, Philadelphia and Reading Railroad Co., Twelfth and Market streets, Philadelphia. Concrete and steel,

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Philadelphia State Bank (O), Bainbridge and Passunk avenue. Freund-Seidenbach Co. (C), Bulletin Building. Cost, \$29,000. Brick, 1 story, 42x55 feet, Bainbridge and Passunk avenue.

C. Rufe (O), 6029 North Tenth street. Cost, \$3,200. Dwelling, brick, 2 stories, 16x40 feet, 6105 North Tenth street.

F. & L. Davis (O), Thirteenth and Nedro streets. Cost, \$8,000. Four dwellings, brick, 2 stories, 16x45 feet, Eleventh and Champlost streets.

Dr. George Woodward (O), North American Building. J. A. Gerhart (C), 7201 Charton street. Cost, \$6,000. Two dwellings, stone, 2½ stories, 24x25 feet, Willow Grove avenue. Cost, \$6,000. Two dwellings. Cost, \$6,000. Willow Grove avenue.

C. J. Shenck (O), Broad and Westmoreland streets. Cost, \$25,600. Eight dwellings, brick, 2 stories, 16x52 feet, Eighth and Boulevard.

Pennsylvania Laundry Co. (C), 319 North Thirty-second street. Armstrong & Latta (C), Land Title Building. Cost, \$11,400. Stable and garage, brick, 1 story, 45x170 feet, 319 North Thirty-second street.

L. Blackson (O), Seventy-eighth and C sts. R. West (C), \$220. Buist avenue. Cost, \$1,800. Dwelling, brick, 2 stories, 16x40 feet, Seventy-eighth and C streets.

W. Turner (O), Forty-ninth and Fairmount avenue. C. A. Smith & Son (C), 4315 Haverford avenue. Cost, \$10,500. Five dwellings, brick, 2 stories, 15x31 feet, Forty-eighth and Haverford avenue.

D. Feronda (O), 3390 Agate street. H. B. Kister (O), 3366 Frankford avenue. Cost, \$1,635. Dwelling, brick, 2 stories, 14x24 feet, 3394 Tulip street.

H. Melcher (O), 1117 Roy street. Cost, \$2,600. Dwelling, brick, 2 stories, 15x42 feet, Fifth and Ashdale streets.

H. S. Swope (O), 5028 Frankford avenue. Cost, \$12,000. Six dwellings, brick, 2 stories, 15x30 feet, 5023 to 33 Griscom street.

Tajarian Brothers (O), 4847 Chestnut street. J. M. Holm (C), 5556 Arch street. Cost, \$2,200. Warehouse, 4848 Chestnut street.

M. E. Hospital (O), Broad and Wolf streets. F. E. Wallace (C), 1210 Sansom street. Cost, \$1,800. Hospital, Broad and Wolf streets.

J. Maneely (O), 309 Arch street. M. W. Easby (C), 1420 Chestnut street. Cost, \$1,000. Garage, D and Luzerne streets. Cost, \$1,200. Warehouse.

John Craig (O), 100 Nippon street. Cost, \$14,400. Six dwellings, brick, 2 stories, 12x20 feet, Cresham road and Durham street. Cost, \$2,400. One dwelling. Cost, \$2,400. One dwelling.

P. J. Blatz (O), 4951 North Fifth street. Cost, \$3,000. Store and dwelling, brick, 2 stories, 16x29 feet, 5007 North Fifth street.

St. Alban's Church (O), Second and Tabor road. Sinclair & Driscoll (C), 1524 Chestnut street. Cost, \$3,000. Church, Second and Tabor road.

C. W. Rogers (O), 237 South Forty-ninth street. Cost, \$28,000. Fifteen dwellings, brick, 2 stories, 14x25 Conestoga and Media streets.

Isenberg & Krevitzkin (O), 3872 Poplar street. Cost, \$2,300. Dwelling, brick, 2 stories, 16x42 feet. Cost, \$10,000. Five dwellings. Cost, \$10,000. Five dwellings. Cost, \$2,300. One dwelling, Aramingo avenue and Cambria street.

Spreckels Sugar Refining Co. (O), Reed and Meadow streets. Cost, \$2,000. Storage, brick, 2 stories, 32x19 feet, Reed and Meadow streets.

D. Smith (O), 727 South Twelfth street. Gordon & Johnson (C), 727 South Twelfth street. Cost, \$5,500. Store and dwelling, brick, 2 stories, 25x40 feet, 2554 Richmond street.

J. Swoyer (O), 6076 Ridge avenue. Cost, \$1,600. Dwelling, brick, 2 stories, 16x40 feet, Ripka and Pechin streets.

Louis Davidson (O), 808 Snyder avenue. Cost, \$13,000. Store and dwellings, brick, 3 stories, 45x31 feet, Fifty-fifth and Baltimore avenue.

Robert R. Heath (O), Eighty-seventh and Bartram avenue. Cost, \$3,000. Two dwellings, brick, 2 stories, 14x38 feet, Saybrook avenue and Eighty-sixth street.

E. T. Beckershoff (O), 5110 Brown street. Cost, \$62,500. Twenty-five dwellings, brick, 2 stories, 15x30 feet. Cost, \$20,000. Twenty dwellings. Cost, \$3,500. One dwelling, Had-dington and Felton streets.

Jayne Estate (O), 242 Chestnut street. W. J. Bryan (C), 248 South American street. Cost, \$4,200. Dwellings, alteration and addition, 1832-36 North Eighteenth street.

W. Ruhe (O), 5136 Thompson street. Cost, \$1,000. Garage, 5136 Thompson street.

F. Flanagan (O), 361 Lyceum street. W. H. Edleman (O), 453 Green lane. Cost, \$1,500. Garage, 361 Lyceum street.

Dyer Cooper (O), 1514 Fountain street. Stocker & Hastings (C), 1320 North Carlisle street. Cost, \$550. Garage, 1514 Fountain street.

Continental Equitable Title and Trust Co. (O), Stephen Girard Building. J. McShain (C), 6130 North Seventeenth street. Cost, \$5,300. Stores, Broad and Cambria streets.

Franklin Trust Co. (O), Fifteenth and Market streets. J. N. Gill Co. (O), Heed Building. Cost, \$3,000. Office, Tenth and Columbia avenue.

Supplee Dairies (O), Eleventh and Jefferson

streets. C. H. Wheeler Manufacturing Co. (O), Eighteenth and Lehigh avenue. Cost, \$1,200. Dairies, 3324 Market street.

W. V. Williamson (O), 135 West Highland avenue, Chestnut Hill. H. W. Biehm (O), Quakertown, Pa. Cost, \$3,500. Dwelling, stone, 2 stories, 15x16 feet, 135 West Highland avenue, Chestnut Hill, Pa.

Fels & Co. (O), Seventy-third and Woodland avenue. Cost, \$1,500. Factory, Seventy-third and Island road.

Raymond & Kilpatrick (O), Thirteenth and Shunk streets. Cost, \$2,500. Store and office, brick, 2 stories, 18x56 feet, 2601 South Thirteenth street.

Franklin Trust Co. (O), Fifteenth and Market streets. Cost, \$2,500. Garage, 54x65 feet, 1 story, 707 East Girard avenue.

COLOR IN MODERN ARCHITECTURE.

Writing about the lack of color in modern architecture, Mr. Charles de Kay, the noted art critic of New York, alludes to the bas-relief in enameled tiles at the exhibition of the Architectural League in New York, as follows:

"Notwithstanding all that has been done in the way of tiles to decorate the interior and exterior, the fact remains that our architects are not taking the advantage they might of this material to enrich the townscape and provide sumptuous and lasting color schemes for churches and capitol, hotels, libraries and railway stations, public and private houses.

"The color notes from smooth or dull or unevenly surfaced products of the kiln have been so far mild enough, discreet enough, well enough suited to the timidity one meets when the question of color comes up. Even these anemic hues are often set aside for drab or dead white walls unrelieved by anything save windows in monotonous rows whose deadly iteration numbs the mind and steepens the soul in gloom. By the deft introduction of tiles in smooth or dull glazes much might be done to render tall buildings less repellent and to some degree disguise the enforced but ghastly regularity of their fenestration."

Tiling can be varied in tint to prevent a too solid color; it can be modeled in relief to obtain effects of shade. Chance alterations in tone, or "hazards" of the kiln allow the architect to gamut color vibrations on which to play the changes. Perhaps through this material we shall have presently an architecture better suited to our brilliant atmosphere, our autumn woodlands, than the drole kind we inherit from Europe. In the hands of architects who have some feeling for color we should have rich and varied decorations for schoolhouse and city hall, hospital and public library, club house and theatre, market and museum. We should demand to be at least as favored in this way as were the men of the middle ages and the ancients of Greece, Assyria and Egypt when they built their temples and palaces.—"San Francisco Architect and Engineer."

We know lots of men who have made money without the aid of advertising, but— they haven't made it since 1876.

Alterations and Additions

G. M. Metzger (O), 5110 Spruce street. George B. Flury (C), 1138 South Twenty-second street. Cost, \$2,500. Store and dwelling, Twenty-third and McKean streets.

W. S. White & Sons (O), 6701 Torresdale avenue. M. Morrison & Son (C), 2322 North Howard street. Cost, \$1,400. Store, 15x39 feet, Unruh and Van Dyke street.

J. H. Arman (O), 7849 Germantown avenue. Pringle Borthwick (C), 8018 Germantown avenue. Cost, \$700. Stable, brick, 18x29 feet, 1 story, 7849 Germantown avenue.

J. Reel (O), 1543 North Seventh street. J. Newborn (C), 1731 North Eighth street. Cost, \$1,800. Slaughter house, 628 Oxford street.

T. W. Brown (O), Fifty-ninth and City Line. F. E. Wallace (C), 1210 Sansom street. Cost, \$3,000. Dwelling, Fifty-ninth and City Line.

Dr. M. Beardwood (O), 5504 Ridge avenue. R. J. Makin (C), 1838 Pemberton street. Cost, \$1,200. Dwelling, 5504 Ridge avenue.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd President
Joseph M. DeLone Vice-President
Louis S. DeLone Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon Editor

PHILADELPHIA, PA., MAY 12, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President *R. Clifton Sturgis, Boston
First Vice-President *Thomas R. Kimball, Omaha, Neb.
Second Vice-President D. Knickerbacker Boyd, Phila.
Secretary *Burt L. Fennel, New York
Treasurer *J. L. Mauran, St. Louis
Auditors { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Maronigle, New York City; John Hall Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan, Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A. B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brookie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Frederick A. Muhlenberg
Treasurer Walter Mellor
Directors—Clarence C. Zantinger, John Molitor, John Graham, Jr., Frederick A. Muhlenberg.

Editorial Comment

Architects and artists all over the country are watching with interest the outcome of a controversy which has arisen between George Grey Barnard, the sculptor, who designed and modeled the groups for the pediments of new Public Library at Fifth avenue and Forty-second street, and Donnelly & Ricci, the stone-cutters who executed it in marble. Mr. Barnard found fault with the groups in such a way as to leave the impression that the cutters had taken liberties with his design. To this charge the cutters entered a most vigorous and emphatic denial. By way of proving his contention, Mr. Barnard produced photographs which compared with the Donnelly & Ricci work revealed a number of slight discrepancies. The stone cutters, in rejoinder, have furnished the original photographs to sustain their claims that the work has been executed in absolute fidelity to Mr. Barnard's models. Messrs. Donnelly & Ricci assert that the photographs shown by Mr. Barnard were made from other models designed to meet criticisms directed against the original designs. A writer in the New York "Sun," who has looked up the facts, observes, concerning the controversy:

"The Knight and History have been severely attacked by Mr. Barnard because he has been stung by some measure of criticism on the part of the public, and, in turn, the sculptor has passed the blame along to the stone cutters, Messrs. Donnelly & Ricci. The sculptor charges that his design was changed in some of its details, that stone enough was not left in the finished figures to reproduce the full modeling of the original design, and that the actual positions of the figures were altered so that the intended effect upon the man in the street was changed.

"In short, the sculptor states, instead of the passer-by being able to see the figures in their entirety, the cutting placed them so far back within the framework of the pediments that only a part of the sculptured characters remained visible.

"In substantiation of this, two photographs, taken close to the library and at a sharp angle below the pediments, were published, while for evidence of the sculptor's original intent two other pictures of models not used for the work, viewed from a favorable position, were presented.

"Messrs. Donnelly & Ricci have executed some of the finest sculptural stonework here in this city, and are generally recognized by architects and artists to be splendid craftsmen. When Mr. Barnard's designs were accepted the general contractors for the stonework of the library took the contract to execute the sculptor's designs at the price set and Messrs. Donnelly & Ricci sub-contracted to do the actual work. But Mr. Barnard demurred—he wanted to do the chiselling himself, and a sufficient additional sum was allowed for that purpose.

"However, with that settled, the designer turned about and sought the services of Donnelly & Ricci and they contracted with him to do all of the cutting up to a certain stage. This stage involved reproducing the models mathematically to a degree just short of final finish. That meant leaving a thin layer of stone for the sculptor's chisel to give that ultimate nicety of line and texture which is known to the craft as 'complexion' or 'color.'

"So well did Messrs. Donnelly & Ricci do their work that Mr. Barnard after an absence abroad took up his part of the execution and completed the contract with the city in a manner that speaks eloquently in every line and curve of those beautiful groups. That Donnelly & Ricci did their work faithfully is easily demonstrated. A tracing of the photograph of the guiding model when laid over the picture of the finished group will be found to coincide with remarkable exactness. That, in short, shows how much reason the art lover of this city has for satisfaction in the manner in which the sculptor's original design has been made permanent.

"Now, Mr. Barnard, bewildered further by criticism, has assailed with equal vigor the execution of the group in the south pediment, the Arts. Again the photographic comparison was misleading for the same reasons as those already given.

"The original model covered 25 feet 9 inches from toe to toe of the two figures, while the boundaries of the blank stone to be cut enforced a reduction of nearly a foot. This meant that the figures should be symmetrically reduced to bring the group within an extreme base length of 24 feet 9 3/4 inches.

"This, however, still left parts of the heads and some other portions of the design reaching over the limits of the available material, and to provide the needful stone for these trespasses, so to speak, an allowance of nearly \$500 was made by the city for the removal of some of the existing blocks and the substitution of other blocks agreeably to the dimensions specified by Mr. Barnard. If any error was made in the matter of sufficient material, then Mr. Barnard would seem to be accountable, for the stone that he demanded was supplied.

"Further, the sculptor says, speaking of the left hand figure in the south pediment, 'The fingers, instead of resting on the forehead, are cut into the skull, leaving no place for the hair to be carved.' The photograph of the original model shows the particularly offending finger to be sadly incomplete, and this was the state of the model when given to Donnelly & Ricci by Mr. Barnard for their guidance during his absence from the city.

"Happily, we know that the sculptor finished that wonderful group. In his heart Mr. Barnard must really be content, if a genius can ever be satisfied with his own labors, because he has asked the authorities to settle

their account with him—a settlement that could properly be made only after his own approval of the faithful execution of the contract."

* * *

Temperament, we gather, artistic temperament, rather than any serious defect, lurks at the bottom of the argument. One can't be a genius and escape the penalty of temperament. And George Grey Barnard is a genius if there ever was one.

* * *

Reports to "Bradstreet's Journal" as to building show that while the percentages of decrease are being whittled down, current building operations, taking the country as a whole, are still well below corresponding periods of previous years. Reports last week to "Bradstreet's" (eighty-four cities reporting) show a total expenditure of \$50,004,967 for April, as against \$53,366,635 for April a year ago, a decrease of 6.3 per cent. It will be recalled that in February and March the decreases were in the neighborhood of 12 per cent., and in January the loss from a year ago was 8.3 per cent. In the last quarter of last year, however, the decrease from the like period of 1913 ranged from 13 per cent. in November to 39 per cent. in December. In April this year only twenty-nine out of the eighty-four cities reporting, or about one-third, showed gains.

Building expenditures for four months of the calendar year 1915 aggregate \$216,789,605, a decrease of 10 per cent. from a year ago, which in turn lost 11 per cent. from 1913.

* * *

The novel and quite practicable suggestion is advanced that master builders and trades union leaders come together for agreement on a temporary reduction in the wages of mechanics employed in the building trades—the reduction to be something like ten per cent., to be for a stipulated period,—say, three or four months,—and to be widely advertised so that investors may be induced to proceed now

with large projects in place of waiting until conditions get back to normal.

It is pointed out that plenty of work at a ten per cent. reduction would be more desirable than the union scale with no work to do.

The builder can't cut into his own profit for the good and sufficient reason that competition has made further cutting in that direction infeasible to say the least. With the builder's profit never greater than 10 per cent. on the cost of the building, and often as low as five per cent., it will be seen that such cutting in building costs as may be attempted will necessarily occur at some other point. Labor is the logical point, because labor approximates about 80 per cent. of the average cost of the average building. Materials have undergone about as sharp a reduction as it is possible to make in goods sold normally at but a slender advance above producing cost.

Whether the mechanics will be keen enough to perceive the wisdom of a wage reduction at this time is—as somebody has said—another story.

Labor doesn't, as a rule, take kindly to reductions. That the expedient would sensibly stimulate building activity there is not the slightest space to doubt. If the investor can be shown, definitely, that by building now he can effect a saving on his investment of anywhere from 12 to 15 per cent. on labor and materials, he is going to get busy. And his getting busy at this time when thousands of good mechanics are idle and building is away below normal, is going to be well worth the 10 per cent. labor is asked to pay, because it means work for everybody and plenty of it, with the prospect of a speedier return to normal activity and the accepted wage standard on full time than is to be hoped for under any other plan so far suggested.

The idea is in any event a novel one and merits, to our way of thinking, the most careful and unbiased consideration.

The subject is of the utmost importance to owners and architects because it involves the success of nearly all large structures, be they office buildings, churches, theatres, hotels, hospitals, factories, mercantile establishments or whatnot.

Prevailing Practices.

The first consideration in plan making is the provision for a building having suitable spaces for all purposes; the second essential is that the building shall be structurally sound; the third is that it shall be esthetically satisfactory, and the fourth requirement is that it shall be made habitable by the installation of adequate heating, ventilating, lighting, sanitary, refrigeration, elevator, vacuum cleaning and general domestic equipment.

The first three requirements may be considered as constituting the structure, and the fourth item, to which this treatise is devoted, as constituting the equipment of the structure. The architect is, presumably by training and experience, capable of preparing plans and specifications for the erection of the structure. The problem, then, is that of the method of procuring the plans and specifications for the equipment of the building.

Very few architects have, as members of their staff, competent heating, ventilating, electrical and sanitary engineers. The fact of the matter is that a vast amount of architectural work is required to warrant the maintenance of an engineering department. Unless a high grade of engineering talent is employed disastrous results are sure to ensue. Further, where the maintenance of an engineering department is dependent upon the work of one architect's office only, it is very difficult to maintain such a volume of work as will keep the engineers busy at all times, and, unless this can be done, the engineering department becomes expensive to maintain, while to alternately employ and dismiss such engineers is manifestly unsatisfactory and expensive. However, where the architect has sufficient work to warrant the establishment

THE RELATION OF THE ARCHITECT AND THE ENGINEER

By D. D. Kimball.

President, American Society of Heating and Ventilating Engineers; Member, New York State Commission on Ventilation.

(Read before the Pittsburgh Chapter, American Institute of Architects.)

Twenty-two years in engineering work and in constant association with architects and architectural practices has brought to me a realization of the great divergence in views among architects concerning the engineering phase of the architect's work, especially regarding the necessity of employing an engineer, the method of the selection of the engineer, the relations of the architect and engineer during the planning and the execution of the work, the owner's liability for

payment (in whole or in part) of the extra cost of engineering services, and on all matters relating to the domestic equipment of large buildings.

The subject is especially timely because of the ever-increasing demand on the part of owners and the occupants of buildings for variety of service, because of the multiplication of equipment available, and because of the entire lack of any accepted method of procedure.

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



and maintenance of an engineering department the advisability of so doing may not be questioned.

Many of the large architectural offices employ consulting engineers for the preparation of the plans and specifications and the supervision of the installation of the equipment. Undoubtedly the best and most varied talent can be secured at the least cost in this way. Mention need hardly be made of the importance of selecting engineers having a thorough organization, a long and wide experience, a well-recognized standing, and no contracting or manufacturing interests.

Another method of procuring plans and specifications for the domestic equipments is that of allowing a number of contractors to submit plans and specifications for such work in competition. This method, however, is but little used (unless it be for small country school houses), and fortunately so, for no more iniquitous scheme could be devised. It merely puts a premium upon the cheapest thing possible, which is usually the least efficient, and it almost inevitably results in the practice familiarly known as "skinning the job."

The Preparation of Plans by Contractors and Manufacturers.

The method, which unfortunately, is still most in vogue for procuring plans and specifications for equipment is that of allowing some contractor or manufacturer, or an engineer in the employ of a contractor or manufacturer, to prepare, usually without charge, the plans and specifications for this work. The result of this course, and the following statement will be verified by every experienced observer in the engineering profession or trades, is that in nine cases out of ten the contractor who gives this service is the one who be-

comes the successful bidder, or the manufacturer who makes the plans secures the order for that portion of the work in which he is interested. This fact explains why the contractor and manufacturer are so willing to prepare plans and specifications, which are often very expensive. If further reason were necessary it exists in the contractor's natural desire to secure and maintain the good will of the architect, which he does by supplying a real need of the architect and by relieving him of a large item of expense. Then do not forget that the contractor and manufacturer are engaged in the business of selling materials.

As a modification of this plan an agreement is sometimes entered into between the architect and contractor whereby the contractor shall be paid a small fee, say one-half to one and one-half per cent., if he should fail to be the successful bidder, and nothing if he is successful. This is unfair to owner, architect and contractor. It would be just as fair to the owner, except in point of degree, to allow a building contractor to draw the general construction plans for the building on the same basis. Independent expert services are not secured, the architect is placed under embarrassing obligations (or else is regarded by the contractor as lacking in appreciation and loyalty) and the contractor renders the service at less than cost for the same reason that on other occasions he renders the service without charge.

Such contractors' engineering has proven to be the most prolific source of padding of plans and specifications and pooling of bids.

If the architect were capable of passing judgment on the suitability or the efficiency of the plans made by the contractor, on the quality or quantity of materials provided or on the capacity of the apparatus he would not be obliged to use such services in the making of plans and specifications.

An architect may admit that the use of contractor's plans is not the best, or even a correct method, while insisting that if the owner will not pay the extra cost of engineering services, the owner must take such services as the architect can procure without extra expense. This attitude ignores entirely the fact that that for which the owner pays is independent, expert service and that, in so far as the architect uses a self-interested party in fulfilling his obligations to the owner, he is not carrying out the spirit of his employment.

An Impractical Suggestion.

Observe this architect's suggestion of a method of obviating the danger of securing imperfect work when using contractor's plans. Speaking before a contractors' association the necessity was voiced of some sort of a guarantee of the efficiency and quality of the work of the contractor installing the work. The suggestion was made that the contractor's association should have a committee of experts to whom the architect could look for advice, which committee should state in an impartial way whether the contractor had fulfilled the terms of the contract. Should

the committee find that the contractor had done shoddy work he should be subjected to punishment by the association, even to the extent of banishment therefrom. Could anything be more absurd? It is certain that this particular architect knows nothing of the cohesive force of a contractors' association.

It can scarcely be disputed that the owner employing an architect does so for the purpose of securing independent expert service, nor can it be disputed that the architect who permits a contractor, with or without pay, to prepare his plans and specifications for the equipment of a building does not render the independent service for which he receives pay. In employing or allowing a contractor to prepare plans and specifications for the domestic equipment the architect, in effect, admits his inability to produce such plans and specifications. Inability in this respect carries with it inability to supervise the installation. Thus the owner and the architect are entirely at the mercy of the contractor. No amount of guarantees required of the contractor will alter this fact.

I venture to assert that there is an element of impropriety on the part of an architect who receives payment for plans and specifications for an equipment which involves knowledge or ability which the architect or a member of his staff cannot furnish, or in other words, accepts pay for plans and specifications which he cannot furnish independently of manufacturing or contracting interests.

Training and Experience of the Architect and the Engineer.

Architecture is an art of centuries of development and training. Domestic engineering is a modern science. The training for one is not adaptable to the other. As the construction of buildings gradually emerged from those involving merely masonry and carpentry work to the complicated structures and equipments of to-day the architect was called upon to assume the responsibility for that which was involved in each step of progress, until now the development has reached a point where the conscientious architect realizes that certain things are beyond him, and the owner, for his own good, should realize this.

I submit that architects are not engineers, either by temperament, training or experience. Architecture involves design and plan structure and stability, esthetics and orientation. It has to do with materials which are inert and which will develop his plans, promote strength and give beauty. These requirements involve a long and thorough education and special training and experience. If the engineer is also temperamental it is of a prosaic nature, and little of the esthetic is involved or required. His training, while long, complex and thorough, is of an entirely different nature. His training and work involve the study and utilization of moving elements, such as air, water, steam, electricity and other manifestations of power or potential forms thereof. The architect has to do with the comfort and health of the occupants

of the building in their use thereof, and the economy of operation and maintenance.

It is doubtful whether the country or the times have yet produced a man who, in himself, is a master in both branches of work, and as the requirements along all lines continue to grow apace the possibility of the coming of such a man becomes more and more remote. This is essentially the day of specialization.

The Functions of the Architect.

In considering the functions of the architect the discussion will be confined to those which are more or less related to engineering, or are more or less involved in the relation of the architect and the engineer, and we will assume that the architect employs the consulting engineer.

It is manifest that there should be some one person or firm responsible for the delivery to the owner of a complete and thoroughly equipped building, and it is logical that the architect should be the one to assume this responsibility. To provide such plans and specification as will accomplish this the architect or his assistant must give of his time for consultation with the engineer or his assistant. There should be a thorough discussion of all matters pertaining to the equipment of the building.

The architect must so arrange his plans as to provide spaces for coal, boilers, auxiliary apparatus, fans, motors, heaters, ducts, flues, pipes, radiators, registers, plumbing fixtures and pipes, engines, generators, conduits, panel boards, electric outlets, refrigerating machines, elevators, and every detail of apparatus and equipment. The engineer must adapt his plans for the equipment of the building to suit the available space, the arrangement of the rooms and the esthetic requirements of the building. This naturally involves much patience, study, time and expense on the part of both architect and engineer. Satisfactory results in the plans of both the architect and engineer can result only from a mutual, helpful "give and take" policy. It must be granted that the engineer's responsibility does not wholly relieve the architect from responsibility for seeing that the building and its equipment shall properly come together during the period of construction and be complete at the conclusion of the work.

To a large extent the architect must serve as administrator in co-relating the architectural and engineering plans and specifications, in preparing contracts, in passing on extra items, allowances and payments (after the engineer has checked and approved the same) and in every way serving as the centralizing agency for all of the details of the work.

The Functions of the Engineer.

The engineer should give special attention to a study of the character and purpose of the building. He should prepare a preliminary scheme which should serve as a basis of discussion with the architect and, when desired, with the owner, so that the nature and ex-

tent of the equipment may be determined during the early stages of the preparation of the plans. He should be capable of advising in an expert manner on all the problems and details of this equipment. He should be familiar with the cost of materials which is necessary that extravagance be avoided.

The engineer should then prepare the working and detail drawings, with specifications, which involve calculations for all parts and the determination of sizes, the selection of each piece of apparatus and the co-relation of each portion of the equipment to all other portions, and to the building. He should be available to architect and owner for consultations and advice on all matters pertaining to the work, should give all necessary information and instruction to contractors during the bidding and the installation of the work, and in a thorough manner supervise the complete installation, including the giving of all expert inspection of materials and labor. He should make all the necessary tests and report on same to the architect and owner. Knowledge of the value of materials and labor is essential also that he may examine and report upon requests for payments and on extra charges or allowances.

It is the engineer's special province to see that all the requirements of the specifications and contract are met and that an equipment complete in every respect is turned over to the owner. The engineer should also give supervisory care of the operation of the plant for a reasonable term after the completion of the installation, this period to cover that usually required for making necessary adjustments and for familiarizing the owner's employees with the equipment.

Co-operation of the Architect and the Engineer.

The active co-operation of the architect and engineer is essential to a well designed and properly equipped building. Lack of such co-operation is bound to result in confusion, overlapping or omissions which will prove embarrassing to the architect and engineer, all of which is needless. On the part of the architect there should be a readiness to meet any reasonable requirements of the engineer for spaces which are essential to an efficient plant. On the other hand, the engineer should stand ready to so arrange the equipment as not to mar the character of the building or any of the rooms therein. The engineer should also be prepared to design special equipment to meet special conditions so far as these special conditions do not limit or cripple the efficiency of the equipment.

There are cases in which units of the equipment have caused a hideous appearance in a building just as there are cases in which the insistence of the architect for placing of radiators, registers or other details of the equipment in certain locations have brought about disastrous failures of the equipment, especially of the heating and ventilating plant. While the location of radiators, registers, pipes and other details of a plant are capable of considerable latitude there are cer-

tain requirements from which deviation cannot be made without inviting disaster. Especially is this so in the case of a ventilating system, in which the diffusion of the air is most important. An architect in preventing the proper distribution or placing of the units of heating and ventilation system thereby limits the efficiency of the heating and ventilating system.

The engineer should co-operate with the architect in the selection of bidders, in the preparation of contracts and in the issuance of extra orders and certificates of payment. The engineer should supervise the installation of the work placed in his charge, but the intimate relations of the building and its equipment demand co-operative supervision of the architect and engineer at those points where the architectural and engineering work tie together.

Loss or Gain in the Employment of the Engineer.

It has always seemed to me that the architect loses his position of dignity and independence if he submits to the use of contractor's or manufacturer's plans. Certainly he lacks that independence of action which is his when employing independent engineers. Especially is this so in passing judgment upon materials and amount of extra orders or allowances. If the contractor or manufacturer who made the plans and specification for the job is the contractor installing the work there is bound to be a feeling of leniency on the part of an appreciative architect, and if the contractor installing the work is other than the contractor making the plans and specifications there is a natural hesitation in asking for additional advice from the maker of the plans and specifications. Also it is a fact that one contractor will rarely make a decision adverse to the interests of another.

If an error is found during or after the installation of a plan designed by a contractor, the cost of remedying the mistake falls upon the architect, for the contractor installing the work, especially if he be not the author of the plans, will not assume the expense of correcting the error, and there could be nothing more ungracious than to ask the contractor who made the plans and specifications gratis, or practically so, and failed to secure the contract, to remedy the mistake.

The architect, in employing independent consulting engineers, gains a very material moral advantage, because the client appreciates that he has secured expert advice in the best way. He has entire independence of action in passing on materials, workmanship, cost of extras and amount of allowances.

The employment of independent engineering services results in the installation of the best plant, at the least cost, and one in which there will be a minimum cost for operation and maintenance. This is the natural result of the selection of material by the engineer free of commercial interest.

The injustice which ensues when one contractor is obliged to bid upon work, the plans for which are prepared by another, is eliminat-

ed. Similarly the disadvantages due to the wide variance of contractors' competitive plans are eliminated.

The very real risks incurred when bids are taken upon incomplete plans and specifications are avoided.

Competition inevitably obtains the best results when all contractors bid upon the same plans prepared by engineers independent of any contracting or manufacturing interests.

The best workmanship is assured because the acceptance of all work and material of the contractor depends upon the approval of disinterested and specially trained experts.

The services of the engineer are of much the same nature, and possess much the same advantages in connection with engineering work as do the services of the architect in connection with the structural and architectural details of the building. Engineering problems require the services of the specially trained and qualified engineer.

The best results are obtained when the engineer and architect are associated from the earliest stages of the work, thus making possible proper provisions for the installation of the plant and its ramifications, and so avoiding the necessity, which otherwise frequently occurs, of materially altering the plans, or of cramping the plant into a too limited space to its permanent injury. Such a course best harmonizes the various elements of the building and its mechanical equipment.

SOME NOTES ABOUT CONCRETE BUILDING.

Any material in its formative state of development is apt to be misunderstood and misused by designers. Concrete being still in the formative stage, meets with such maltreatment. Many concrete houses of to-day were designed for stone, brick or even frame, and then by chance at the last moment the material was changed and a so-called concrete house is produced. Naturally such a building can only come under the classification of nondescript, and good results even structurally can hardly be looked for.

It must be clearly borne in mind that the material with its possibilities and limitations determines a style or design. Therefore, unless one constructs according to his material it is impossible to obtain the most satisfactory result from either an architectural or a practical point of view. It is unfair to the architect and to the material to carry out a house in concrete that was originally designed to be built of something else. Reinforced concrete construction is a new art, and to obtain the best results the owner, architect and engineer must work together. Then will it reveal its unlimited possibilities.

The ideal house of concrete, as we see it, is one with a flat roof, crowned by a parapet or some simple perforated patterning such as one sees in the country barns of Italy for airing the hay. It is better to avoid the stereotype balusters and moldings (which have so long been associated with stone

work), not because of any difficulty in casting, but simply to avoid stamping concrete an imitation of stone. The windows should be grouped rather than separately spaced, for the additional span is a simple matter with reinforcement, and then one can concentrate on each group surrounding it with a mosaic or scraffito treatment which offers a pleasant relief from the necessarily bare reveals of the plain windows.

The flat roof is suggested in preference to the pitched because it is obviously cheaper and is the natural form. Shingle or slate roofs are pitched to insure a dry interior; a flat shingle roof would, of course, offer but little protection from water. The flat concrete roof, when composed of a rich mixture and properly done, is a perfectly practical roof.

As an example of successful collaboration between architect and engineer, might be mentioned some recently built columns for a pergola. They were inexpensive to construct because they had been intelligently designed with twenty flat sides to accommodate the material. They could thus be made with the board marks showing. They have the same play of light and shade as true Doric columns, and at a short distance are identical. But if they had been designed as true Doric columns with hollow flutes the cost, owing to the difficult form necessary for casting, would have been prohibitive—to say nothing of the danger of breaking the sharp arrises of the flutings, both during the construction and after.

As a final suggestion, it should be borne in mind that concrete is a cast material, and therein lies its future. The scoring of the walls in imitation of stone blocks, or even laying up the walls in the form of stone blocks robs it of its great individuality as a building material.—F. H. Sweet in "Keith's Magazine."

RENDERING A CELLAR WATER-TIGHT.

A remedy for this trouble is the application of a plaster coat of oil-mixed mortar in the proportions of one part cement, two parts sand and 5 per cent. of oil, mixed with enough water to form a rather stiff mortar. From what I know of dry walls I am inclined to think the correspondent wrote "pointed" instead of "painted." If I am right he will have to dig into the joints an inch or so all around the inside of the wall with a light pick so that the plaster will key well into them. The wall should then be washed with a composition of one part hydrochloric acid and five parts of water. After the elapse of half an hour the acid should be washed off with clean water, then the surface should be gone over with a wire brush to remove the loose particles.

This treatment, however, cannot be followed if water is seeping through, as it must be done in dry weather. A wash of cement and water mixed to the consistency of cream ap-

plied before the oil-mixed mortar will aid the new mortar in sticking to the old work. The old wall must be thoroughly wet before the new mortar is applied.

The floor is treated in the same way. If it is now concreted the surface must be roughened with a stone hammer; if not concreted it must be done with oil-mixed concrete. The new mortar must be kept damp for the period of at least a week.

It will be well if the underlying soil is very wet to lay a 6-inch foundation of sand, cinders, broken stone or gravel, compacting these materials well by tamping. In addition, it will be advantageous to employ drain tiles in this porous foundation, leading them to a sewer if possible. On top of this should be placed a 4-inch layer of concrete in the proportions of one part Portland cement, two and one-half parts sand and five parts broken stone or gravel with 10 per cent. of petroleum residuum oil. It may be noted that 10 per cent. will equal five quarts to the bag of cement. This treatment will make the cellar warmer and healthier in every way. Oil-mixed mortar containing 10 per cent. of oil is absolutely watertight under a pressure of 40 pounds per square inch. The oil should have a specific gravity of not less than 0.93 nor more than 0.94 at 25 degrees C. It should be soluble in carbon disulphide at air temperature to at least 99.9 per cent.—"Building Age."

WATERPROOFING CONCRETE.

Many articles are appearing in the technical journals, written in the interest of special paints and coatings for concrete surfaces, in which it is stated that cement waterproofing, in powder or liquid form, decreases the strength of the cement or affects the metal used for reinforcement, says "Building Age." These statements, as applied to the standard brands of waterproofing, are far from the facts in the case. Millions of pounds of waterproofing powder are used yearly by the leading engineers and cement workers of the country, and the makers of standard waterproofing material have great numbers of tests, by reliable authorities, which show not the slightest injurious effect on strength.

As to the claim that a material like good waterproofing, which is absolutely neutral, insoluble, inert and unchanged with age, could attack the metal reinforcement is too absurd to be discussed. There is no doubt that the many attacks on cement waterproofing by parties interested in promoting other materials have done much to deter inexperienced users from adopting waterproofing material of recognized value, but trained engineers pay little attention to loose statements unsupported by proof, and base their judgment on reliable records of long-time tests.

Good fortune often chooses the most unlikely of messengers to herald its coming.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Aaolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Rantstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Contractors' Equipment

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori- & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carriek, 2016 Rantstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Parquetry Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.
Chas. H. Kohn & Co., 1614 Cherry st., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board-Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Builders' Steel Products Co.

131 S. 24th st., Phila.

Standard Paint Co.

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. E. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,

Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

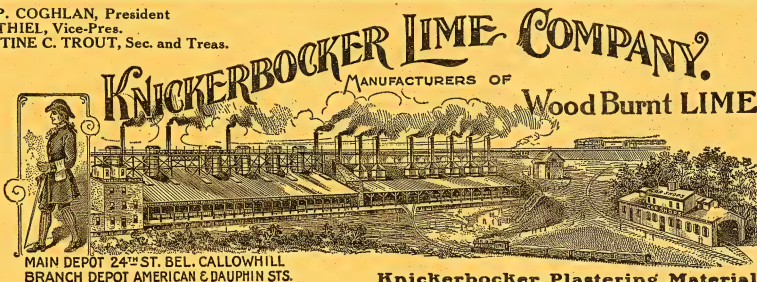
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL.
BRANCH DEPOT AMERICAN & DAUPHIN STS.

Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 20.

PHILADELPHIA, WEDNESDAY, MAY 19, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

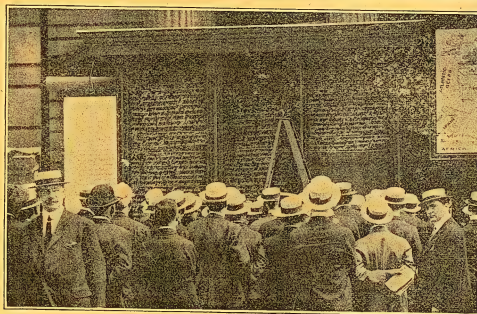
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

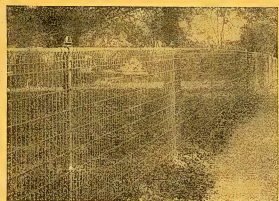
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



PHILADELPHIA FIRE RETARDANT CO.

1614 CHERRY STREET

PHILADELPHIA, PA.

Rolled Steel Sash and Doors, Steel Stairs, Sawn Fire Doors and Shutters, Steel Rolling Doors, Kalamein Doors, Metal Windows

WATERPROOFING

A Complete Line of

Integral and Membrane
Waterproofings, Dampproofings
Floor Hardeners and
Technical Paints

MAY WE SOLVE YOUR PROBLEM?

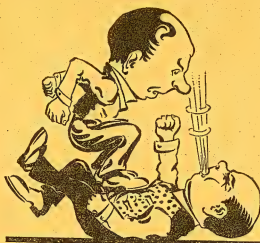
Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING
MATERIALS



"Get the Jump on
Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Do Not Forget

when in the market for

WIRE PRODUCTS

THAT WE MAKE EVERYTHING IN WIRE:

Wire Cloth all grades,
Wire Window Guards,
Wire Partitions and Enclosures,
Wire Lath for Plastering Purposes,
Radiator Guards,
Gravel, Sand and Coal Screens,
Sieves and Riddles,
Special Forms.

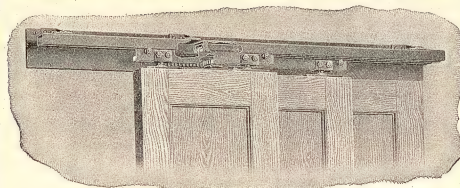
Strawbridge & Chase Co., Inc.
AUDUBON, N. J.

ROBERT T. KORB, Pres.
HENRY H. COLLINS, Vice-Pres. } At Your
WM. H. EGEE, Sec. & Treas. } Service

Keystone, Main 3597. Bell, Haddon Heights 573.

IDEAL

Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

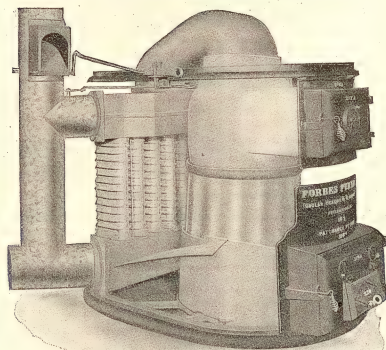
Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR

The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools

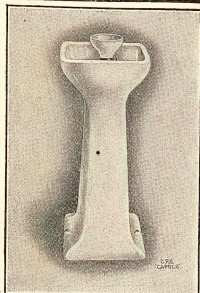


Plate 206 D

"CAPOCO" Sanitary Vitreous Earthenware

Vitreous China Square
 Pedestal Bubbler Drinking
 Fountain, suitable for Hotels,
 Hospitals, R. R. Stations and
 all public places. We man-
 ufacture a complete line of
 Drinking Fountains.

Write for *Catalogue D.*

CAMDEN POTTERY CO.

Camden, N. J.

Phila. Show Rooms, 1511 Sansom St.

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



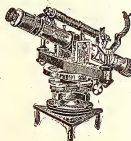
The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

USE SCAMMELL Lath for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal Furring and Lathing
 Land Title Bldg., Phila., Pa.

The only Expanded Metal Lath in Rolls
 Patented February 17th, 1914



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees.

by vernier to 5 minutes.
 Other transits from \$15 to \$115.

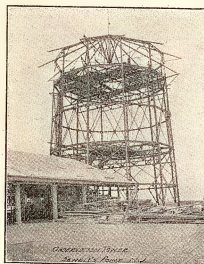
Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material
1125 CHESTNUT ST., Philadelphia
 Phones: Bell, Filbert 3603, 3604. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON
 WORK
 CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 20.

PHILADELPHIA, WEDNESDAY, MAY 19, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (45), Frankford avenue and Victoria street, Philadelphia. Architect, Harry R. Moyer, 2029 East Wishart street, Philadelphia. Owner, V. J. Magnant, 3222 E street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, electric lighting, hot water heating, oak floors. Owner taking sub-bids.

Rectory, Germantown, Philadelphia. Architect, Chas. J. Cummiskey, 165 East Pomona street, Germantown. Owner, St. Catherine's R. C. Church, care Rev. J. A. Hartnett, 109 East Price street, Germantown. Brick, 2½ stories, 25x26 feet, tile roof, oak floors (heating and lighting, reserved). Architect has received bids.

Residence (Alts.), Sixty-fourth and Drexel Road, Philadelphia. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Clarence H. Geist, Land Title Building, Philadelphia. Consists of general alterations, tile roof, metal lath, tile work (heating, plumbing, electric work, reserved). Architect has received bids.

Sunday School, Sixteenth and Wingochocking streets, Philadelphia. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owner, Mt. Vernon Reformed Church, Rev. Charles D. Alspach, 1538 Wingochocking street, Philadelphia. Stone, 2 stories, slate roof, steam heating, electric lighting, tile work. Architect taking bids due May 22nd. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; N. H. Bean, 4411 Germantown avenue; Irwin Faut, 4228 Sydenham street; F. L. Hoover & Sons, 1023 Cherry street; H. P. Schneider, 3713 Old York Road; Stacy Reeves & Sons, 2011 Market street; Alexander Chambley, 243 South Tenth street, Philadelphia.

Garage, 2039 Rittenhouse street, Philadelphia. Architect, private plans. Owner, Estate of Caleb J. Milne, Eleventh and Washington avenue, Philadelphia. Brick, steel and concrete, 3 stories, 58x75 feet, slag roof, metal lath, metal frames and sash (heating and lighting, reserved). Owner has received revised bids.

Store (Alt. and add.), 2424 North Front street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia.

Owner, J. M. Stamm, on premises. Brick, 3 stories, electric lighting. Plans in progress.

Residence (alt. and add.), Sixteenth and Diamond streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Philip Goldsmith, Hale Building, Philadelphia. Brick, 4 stories, electric lighting, steam heating, oak floors. Plans in progress.

Distilling Building (alt. and add.), Delaware avenue and Tasker street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Berg Distilling Co., on premises. Brick, and concrete, 2 stories. Plans in progress.

Loft Building, 831 to 835 Cherry street, Philadelphia. Architect, private plans. Owner, Wm. Linker, Heed Building, Philadelphia. Reinforced concrete, 8 stories, 37x144 feet, slag roof, steam heating, electric lighting, steel frames and sash, elevator, fire escapes. Builder Wm. Linker Co., Heed Building, Philadelphia, taking sub-bids on all lines.

Residence (alt. and add.), Pelham and Cresham streets, Germantown. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Florence J. Heppel, 1117 Chestnut street, Philadelphia. Parquet floors, electric lighting, metal weather strips, hot water heating. Architects taking bids due May 19th. The following are figuring: Wm. J. Gruher, 219 East High street; F. A. Havens & Co., 845 North Nineteenth street; James H. Wells, Heed Building; R. C. Ballinger & Co., 218 North Thirtieth street; Samuel Harting, 20 East Johnson street; Roydhouse-Arey Co., Fidelity Building, all of Philadelphia.

Apartment House, Sydenham and Walnut streets, Philadelphia. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owner, name withheld. Brick, steel and concrete, 10 stories, 60x125 feet, slag roof, electric lighting, steam heating, waterproofing. Architect taking bids. Stacy Reeves & Sons, 2011 Market street, only bidder.

Church, Fifty-fourth and Walnut streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Wharton Street M. E. Church, care of

Rev. E. Stillman, 5335 Catherine street, Philadelphia. Stone, 2 stories, 80x150 feet, slate roof, electric lighting, steam heating. Architects taking bids, due May 29th. The following are figuring: H. B. Baton, Twelfth and Sansom streets; Alex. Chambley, 243 South Tenth street; William R. Dougherty, 1610 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; A. Raymond Raff, 1635 Thompson street; T. C. Trafford, 1613 Sansom street; Frank G. Stewart, 1619 Sansom street, all of Philadelphia.

Residence (alt. and add.), 3820 Locust st., Philadelphia. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owner, Charles M. Ghriskey, Jr., 506 Commerce street, Philadelphia. Brick, 3 stories, slate and slag roof, electric lighting, steam heating, tile work. Architect taking bids, due May 22nd. The following are figuring: H. E. Grau Co., 1709 Sansom street; A. MacTavish, 1513 Pine street; William H. Ferguson, 405 South Twenty-first street, Philadelphia.

Dormitory Building, Seventeenth and Norris streets, Philadelphia. Architect, A. W. Dilks, 1001 Chestnut street, Philadelphia. Owners, the Baptist Home, care of H. Horton, Jr., Court of Common Pleas N. 1, City Hall, Philadelphia. Brick, stone and terra cotta, 2 stories, 112x48 feet, slag roof, steam heating. Owners taking bids. George W. Gardner, 511 North Fortieth street, Philadelphia, is figuring.

Saloon (alt. and add.), 18 South Fifty-second street, Philadelphia. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owner, James F. Goodwin, 1432 Market st., Philadelphia. Cabinet work, tile work, electric lighting, metal lath (heating and plumbing reserved). Architect taking bids, due May 18th. The following are figuring: Geo. Kessler Cont. Co., Drexel Building; Ketcham & McQuade, 1029 Brown street; Burd P. Evans Co., Thirtieth and Wallace streets; Stacy Reeves & Sons, 2011 Market street; E. E. Hollenback, Fifteenth and Race streets; George Kirk, 2207 Chestnut street; Frank R. Shriver, 5106 Catherine street; J. Kirchoff & Co., 448 North Twelfth street; Andrew J. Donaldson, 2237 Oakford street, Philadelphia.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

**BLUE
PRINTS**

KEYSTONE PHONE, MAIN 497

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

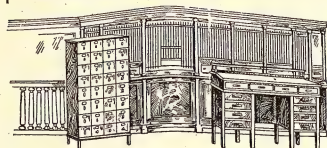


Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

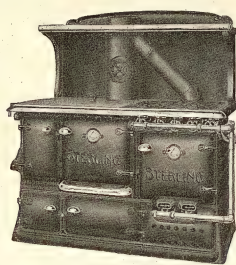
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Club House (alt. and add.), 5425 Germantown avenue, Philadelphia. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owners, Masonic Hall Association, on premises. Brick, 3 stories, slag roof, steam heating, electric lighting. Plans in progress. Architects will take bids in two weeks.

Garage (alt. and add.), Seventh and Dauphin streets, Philadelphia. Architect, Frederick J. Ritter, Washington Hotel, Seventh and Dauphin streets. Owner, P. Oliver Derr, on premises. Brick, 3 stories, 36x180 feet, electric lighting, steam heating. Architect taking bids, due May 24th at noon. The following are figuring: P. Haibach Cont. Co., Twenty-sixth and Thompson streets; Smith-Hardican, 1606 Cherry street; Herman G. Voigt, 1251 North Twenty-eighth street; Harry Gill, Jr., 2515 Germantown avenue, all of Philadelphia.

Warehouse (add.), 242 South Fifth street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, J. Pinheiro, 1007 Race street, Philadelphia. Brick and concrete, 3 stories, 20x90 feet, slag roof, metal lath, metal frames and sash, damp-proofing. Architect taking bids, due May 21st. A. Raymond Raff, 1635 Thompson street, and J. A. Codori, 1235 Arch street, are figuring, in addition to those previously reported.

Store and Office Building (fire repairs), 1016 and 1018 Chestnut street, Philadelphia. Architect, private plans. Owner, George B. Wilson Estate, care of Searing Wilson, Pennsylvania Building, Philadelphia. Brick, 3 stories, consists of repairing fire damage to entire building. Owner takin g bids. Wm. Steele & Sons Co., 1600 Arch street, and Henry C. Dahl, 231 South Eighth street, Philadelphia, are figuring.

Residence, Haines street, Germantown, Philadelphia. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, W. M. C. Kimber, 999 East Haines street, Germantown. Brick, 2½ stories, 28x34 feet,

shingle roof, hot air heating, electric lighting. Plans completed. Ready for bids.

Apartments (alt. and add.), Sixteenth and Master streets, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick, 3½ stories, 22x33 feet, slag roof, oak floors, electric lighting, vapor vacuum heating. Plans about completed. Architect will take bids in a few days.

Hotel (alt. and add.), 47 and 49 North Seventeenth street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, Constantine Haas, Jr., 45 North Seventeenth street, Philadelphia. Brick, 4 stories, 40x60 feet, slag roof, steam heating, electric lighting, tile work. Plans completed. Architect read for bids.

Bath House, Theatre and Stores, Thirty-first and Wilt streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Northwestern Realty Improvement Co., care of Joseph Fisher, 722 Sansom street, Philadelphia. Brick, terra cotta, concrete and steel, 2 stories, 45x124 feet and 48x124 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath, waterproofing and dampproofing, iron stairs. Architects taking bids, due May 28th. The following are figuring: Lam Building Co., 1001 Wood street; George Hogg, 1634 Sansom street; Smith-Hardican Co., 1606 Cherry street; William E. Dougherty, 1610 Sansom street; Stacy Reeves & Sons, 2011 Market street; Bailey-Lash Co., Abbott Building.

Factory, Seventh and Wood streets, Philadelphia, \$25,000. Architect, Herman Miller, Crozer Building, Philadelphia. Owner, Chas. W. Lawser, 712 Cherry street, Philadelphia. Sayre & Fisher brick, concrete and steel, 3 stories, 50x90 feet, slag roof, electric lighting, steam heating, safety treads, metal frames and sash, waterproofing. Architect is submitting all contracts.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory, Wheatsheaf Lane and Cedar street, Philadelphia. Architect, Ed. A. Devlin, 2443

East Sargent street, Philadelphia. Owner, Independent Mfg. Co., care Mr. Smith, 3017

**UNITAS
TILING**
A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.
Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

**UNITAS
Composition Flooring**
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.

Edgemont street, Philadelphia. Brick, 2 stories, 33x53 feet, slag roof, steel sash, rolling steel doors (steam heating, plumbing, elevator, reserved). Contract awarded to C. F. Gruber, Glenside, Pa.

Residence and Garage, Haines and Boyer streets, Germantown. Architect, private plans. Owner, August Baur, 6316 Ross street, Germantown, Philadelphia. Stone, 2½ stories, 32x47 feet; garage, 1 story, slate roof, electric lighting, hot water heating, oak floors. Contract awarded to Samuel Harting, 20 East Johnson street.

Residence and Store, Twentieth and Tioga streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, E. Reese, on premises. Brick and terra cotta, 2 stories, 45x100 feet, slag roof (heating and lighting, reserved), metal lath, oak floors. Contract awarded to Geo. Hogg, 1634 Sansom street, Philadelphia.

Meeting House (add.), Seventeenth and Girard avenue, Philadelphia. Architects, Hencock & Hokanson, Bailey Building, Philadelphia. Owner, Society of Friends, on premises. Consists of interior alteration and addition, electric lighting. Contract awarded to Barclay White Co., Perry Building, Philadelphia.

Store and Residence (alt. and add.), 2617 Germantown avenue. \$2,500. Architect, Chas. Parker, 1227 Hilton street, Philadelphia. Owner, H. D. Clauser, 2617 Germantown avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, electric lighting, steam heat. Contract awarded to J. Y. Loux, 1121 Rising Sun Lane, Philadelphia.

Factory, Arch & Allison streets, Philadelphia. \$12,500. Architect, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Samuel Yellin, 217 Jefferson street, Philadelphia. Brick, 2 stories, 50x100 feet, slag roof (steam heating and lighting, reserved). Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

Fermentation Building and Alt. and Add. to Distilling Building, Water street and Snyder avenue, Philadelphia. Architects, Penck-

ert & Wunder, 310 Chestnut street, Philadelphia. Owners, Publicker-Ward Distilling Co., Water street and Snyder avenue. Brick and concrete, 2 stories, 65x100 feet, slag roof, iron stairs. Contract awarded to Barclay White Co., Perry Building, Philadelphia.

Automobile Show Rooms, 253-255 North Broad street, Philadelphia. Architect, C. E. Oelschlagel, Harrison Building, Philadelphia. Owner, Benj. Alexander, Hale Building, and Roy Heyman, Land Title Building. Brick, concrete and terra cotta, 6 stories, 48x120 feet, slag roof, electric lighting, steam heating. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Residence, Twentieth and Walnut streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Miss Nina Lea, 2000 Walnut street, Philadelphia. Brick, 1 story, 12x16 feet, copper roof, electric lighting, hot air heating. Contract awarded to H. M. Kister, 621 Sansom street, Philadelphia.

Saloon and Residence (alt. and add.), Frankford avenue and Somerset streets, Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owner, Jacob Stecker, on premises. Brick, 3 stories, 20x45 feet, slag roof, steam heating, electric lighting, metal lath, composition roof. Contract awarded to John D. Potheringham, 3367 Frankford avenue, Philadelphia.

Garage, 5413 Church lane, \$4,000. Architect, private plans. Owner, B. F. Dewees, on premises. Stone and brick, 2 stories, 14x22 feet, hot water heating, electric lighting. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Store and Building, 257-259 North Broad street, Philadelphia. Architect, Charles E. Oelschlagel, Harrison Building, Philadelphia. Owners, Kelly-Springfield Tire Co., 208 North Broad street, Philadelphia. Brick and terra cotta, 3 stories, 38x120 feet, slag roof, steam heating, electric lighting, elevator, dumb waiter. Contract awarded to I. T. Shoemaker, 1309 Walnut street, Philadelphia.

PENNSYLVANIA Construction News

Residence, Paxtang, Pa. Architect, Albert Kelsey, Perry Building, Philadelphia. Owner, Mrs. H. B. Dull, Harrisburg, Pa. Stone, 2½ stories, 58x30 feet, slate roof, steam heating. Plans in progress.

Residence (alt. and add.), Merion, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Henry Delaplaine, Merion, Pa. Stone and hollow tile, 2½ stories, 40x50 feet, slate roof (heating and lighting, reserved), oak floors. Revised plans in progress.

Administration Building, Newtown Square, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Garrett Williamson Lodge, North American Building, Philadelphia. Stone, 2½ stories, 55x165 feet, slate roof (heating and lighting, reserved), metal lath, maple floors. Architect has received revised bids.

Post Office (add.), Reading, Pa. Architect, James A. Wetmore, Washington, D. C. Owner, U. S. Government, Washington, D. C.

Brick, 1 story, 79x110 feet, composition roof, metal lath, dampproofing, metal frames and sash, steam heating, electric lighting. Owner taking bids due June 8th. The following are figuring: F. W. Van Loon, Denckla Building; Chas. McCaul Co., 1713 Sansom street, Philadelphia.

Residences (2), Elkins Park, Pa. Architects, Street & Stackhouse, Drexel Building, Philadelphia. Owner, M. G. Paul, 135 South Fifth street, Philadelphia. Hollow tile and plaster and stone and frame, 2½ stories, 25x45 feet, slate and shingle roof, electric lighting, hot water heating, oak floors. Architects taking bids due May 21st. The following are figuring: Harry Davis, 5100 Westminster avenue; J. B. Flounders, 1329 Arch street; Specht & Sperry, Heed Building; T. C. Traford, 1613 Sansom street; J. H. Roberts, Lansdowne, Pa.

Fire House, West Grove, Pa. Architects, Hauer & Mowere, 3110 Columbia avenue, Philadelphia. Owner, West Grove Fire Co.,

Let Us Make Your Home Weather Proof

**Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses**

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



BUILDERS' MILL WORK FOR SALE

N. E. Cor. Mascher and Master Streets

Four story mill, 31x60, with adjoining yard, 48x60, containing boiler, engine and machinery in first class condition for wood-working mill, immediate possession; will rent cheap to responsible tenant and make terms to purchaser. Will sell machinery separate. Phone Walnut 1460 or Race 1769.

GEORGE H. JOHNSON, 1218 Chestnut St., Phila.

Contractor's Equipment

NEW AND SECOND HAND

Concrete Mixers Builders' Hoists
Concrete Supports and Ties

C. G. A. SCHMIDT, JR. & CO.
EMPIRE BUILDING, PHILA. PA.

West Grove, Pa. Brick, 2 stories, 72x92 feet, Johns-Manville Roof, electric lighting, steam heating. Architects have received bids.

Church, Dickson City, Pa. \$40,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, St. Thomas Apostles' R. C. Church, Rev. H. J. Gerrity, Dickson City, Pa. Brick and terra cotta, 2 stories, 54x100 feet, slate or tile roof, steam heating, electric lighting, ornamental iron work, marble floor. Owner taking bids due May 23rd. The following are figuring: Amsterdam Building Co., 140 West Forty-second street, New York City; Beilman & Son, Scranton, Pa.; R. English, Pittston, Pa.; Dickson Lumber Co., Dickson, Pa.; Robert Lumber & Realty Co., Peckville, Pa.; Shepherd Const. Co., Wilkes-Barre, Pa.; Kehoe & Mowery, Wilkes-Barre, Pa.

Residence and Garage, Ogontz Hill, Pa. Architects, Koelle Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, Henry W. Breyer, Ninth and Cumberland streets, Philadelphia. Stone, 2½ stories, 38x94 feet, slate roof, electric lighting, hot water heating, oak floors; garage, stone, 1½ stories, 25x33 feet, tile work. Owner has received bids.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

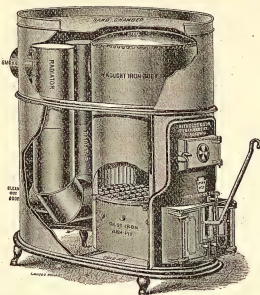
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Wise builders are now looking upon Gas installations as the highest type of insurance; for by equipping their operations with the proper facilities for the use of gas appliances they are not only meeting a popular demand but making quick sales.

Consult with the "Builders and Operators Division."

Telephones
Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

Residences (3). Bryn Mawr, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Frank Mauran, Land Title Building, Philadelphia. Stone and stone and plaster, 2½ stories, 25x58 feet, 50x53 feet and 42x49 feet, shingle roofs, oak floors, electric lighting, tile work, composition flooring, vapor heating. Builders J. S. Cornell & Son, Land Title Building, Philadelphia, taking sub-bids on all lines.

Dormitory. Harrisburg, Pa. \$30,000. Architects, Zantinger, Borie & Medary, N. E. Cor. Fifteenth and Walnut streets, Philadelphia. Owner, Harrisburg Academy, Professor Brown, Harrisburg, Pa. Brick, hollow tile and concrete, 3 stories, 35x110 feet, slate roof

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

(steam heating and electric work, reserved). Architects taking bids due May 21st, at noon. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; Metzger & Fisher, Denckla Building; H. H. Burrell, 206 South Quince street; Wallace & Werner, 4244 Chestnut street, all of Philadelphia; J. A. McKelvey, 1311 North Front street; Charles W. Lady, 119 Calder street; H. A. Hipple, 2210 North Third street; Adam Stickley & Son, 118 Penn street; August Wildman, 2206 North Third street; J. F. Saussman, 1713 North street, all of Harrisburg, Pa.; Titzel Const. Co., Woolworth Building, Lancaster, Pa., and H. C. Wright, Steelton, Pa.

Residence. Drexel Hill, Pa. Architect, private plans. Owner, Mrs. Anna E. Ramage, Riverview avenue, Drexel Hill, Pa. Hollow tile, 2½ stories, 30x52 feet, shingle or slate roof, hot water heating, electric lighting, parquetry floors and hardwood floors, tile work. Builder Harry Davis, 5100 Westminster avenue, Philadelphia, is taking sub-bids on all lines.

Apartment House. Narberth, Pa. Architect, A. C. Bornzer, 721 Walnut street, Philadelphia. Owners, Caldwell & Co., Narberth, Pa. Hollow tile and plaster, 3 stories, 74x100 feet, slag roof, electric lighting, steam heating, oak floors. Architect taking bids due May 20th. The following are figuring: E. J. Heiden, Finance Building; Stacy Reeves & Sons, 2011 Market street; Alex. Chambley, 243 South Tenth street; I. T. Shoemaker, 1309 Walnut street; P. B. Davis, 240 North Sixteenth street; L. F. McNeill, 1713 Sansom street; J. R. Roberts, Lansdowne, Pa.; Mower Bros., Merion, Pa.; W. D. Smedley, Narberth, Pa.

Residence. Moylan, Pa. Architect, Thomas B. Lippincott, Bethayres, Pa. Owner, J. Passmore Elkinton, 121 South Third street, Philadelphia. Hollow tile and plaster, 2½ stories, 28x55 feet, slate roof, electric lighting, hot water heating. Plans in progress.

Residence. Melrose Park, Pa. Architect, Edwin A. Yeo, Stephen Girard Building, Philadelphia. Owner, Wm. S. Yeo, 1861 Frankford avenue, Philadelphia. Stone and frame, 2½ stories, 38x42 feet, shingle roof, oak floors (heating and lighting, reserved). Architect taking bids due May 20th. The following are figuring: F. B. Davis, 240 North Sixteenth street; F. L. Hoover & Sons, 1023 Cherry street; A. L. Fretz & Sons, 1292 Chancello street; Stokes Bros., 6723 Musgrave street; T. C. Trafford, 1613 Sansom street; H. H. Burrell, 206 South Quince street, all of Philadelphia; W. John Stevens, Wyncote, Pa.; Fesmire & Mitchell, Glenside, Pa.; Clinton L. Hemmerly, Melrose, Pa.

Church. Lansdowne, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, First Presbyterian Church, Rev. Wm. Boyd, Lansdowne, Pa. Stone, 1 story, 36x110 feet, 2 wings, 36x18 feet each, slate roof, electric lighting, steam or vapor heating. Architects taking bids due May 24th at 3 o'clock. The following are figuring: Lansdowne Const. Co., and J. K. Ingram, J. H. Roberts, both of Lansdowne,

Pa., P. T. Mercer, 1706 Delancey street; Jas. Johnston, 1721 Ludlow street; F. L. Hoover & Sons, 1023 Cherry street; W. Beaumont, Stephen Girard Building; Geo. Hogg, 1634 Sansom street; E. E. Hollenback, Fifteenth and Race streets; Edward Fay & Sons, 2 South Mole street; T. C. Trafford, 1613 Sansom street; H. G. Carson, 205 South Forty-second street; Jacob Myers & Sons Co., Witherspoon Building, all of Philadelphia.

Garage. Frazier, Pa. Architect, Philip Johnson, Land Title Building, Philadelphia. Owner, Jos. P. Rogers, South Penn Square Building, Philadelphia. Stone and plaster, 2 stories, 35x41 feet, shingle roof. Architect taking bids due May 19th. J. P. Thompson, Real Estate Building, and McIver Const. Co., Heed Building, Philadelphia, are figuring.

Home Buildings. Williamsport, Pa. \$250,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, State of Pennsylvania Home for Criminal Women, George Quintard Horwitz, Chairman of Commission, West End Trust Building, Philadelphia. Consists of group of 5 buildings, stone, 1, 2 and 3 stories, slate roofs (steam heating, plumbing and electric work, separate bids). Plans completed. Owner will advertise for bids in one week.

Church and Parsonage. Green Ridge, Pa. \$16,000. Architect, H. C. Rutherford, 316 North Washington avenue, Scranton, Pa. Owner, Suburban Presbyterian Church, Rev. Leroy H. Foster, 930 Richmond street, Scranton, Pa. Stone and frame, 1 and 2½ stories, slate roof, steam heating, electric lighting. Plans in progress.

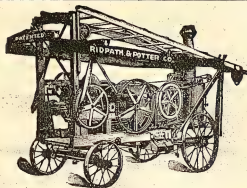
Store and Residence. Luzerne, Pa. \$10,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Mrs. Celia Spiegel, Luzerne, Pa. Frame and stucco, 2 stories, 40x75 feet, slag roof, steam heating, electric lighting, metal ceilings, metal lath. Plans in progress.

Garage. Scranton, Pa. \$75,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, name withheld. Brick and terra cotta, 4 stories, 56x235 feet, slag roof, steam heating, electric lighting, tile work, metal sash and doors, metal lath, waterproofing and dampproofing, elevators. Plans in progress.

Town Hall. Blakely Borough, Pa. \$15,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, Blakely Borough, Pa. Brick, 2 stories, 40x64 feet, slate roof, steam heating, electric lighting, fireproofing. Plans completed. Owners will advertise for bids in one week, to be due June 14th.

School Building. Archbald, Pa. \$14,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, School Board, Miles McAndrews, Secretary, Archbald, Pa. Brick and frame, 2 stories, 40x72 feet, slate roof, steam heating, electric lighting, metal ceilings. Owner taking bids due May 18th.

Twin Residence. Scranton, Pa. \$5,000. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, Wm. Jones, Harrisburg, Pa. Frame, 2½ stories, 40x39



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

feet, slate roof, steam heating. Plans in progress.

Office Building, Scranton, Pa. \$400,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owner, Scranton Life Insurance Co., Connell Building, Scranton, Pa. Granite, terra cotta and steel, fireproof, 8 stories, 45x143 feet and 45x88 feet, slag roof, tile and marble work, ornamental iron, metal lath, waterproofing and dampproofing (steam heating, plumbing and electric work and elevators, separate bids). Architect taking bids.

Church (add.), Dunmore, Pa. \$10,000. Architect, Albert Hartman, People's Bank Building, Scranton, Pa. Owner, Dunmore Presbyterian Church, Rev. Leshman, Dunmore, Pa. Stucco, 2 stories, 34x70 feet, slag roof, steam heating, electric lighting, composition flooring, rolling partitions. Architect taking bids due May 22nd.

Shoe Factory, Birdsboro, Pa. Architect, George L. Gerhard, 519 Peach street, Reading, Pa. Owners, Huyett & Rhoads, Birdsboro, Pa. Brick, 3 stories, slag roof, steam heating, electric lighting. Plans in progress.

Store Building, Reading, Pa. \$20,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner, Harry Zable, Reading, Pa. Brick, 4 stories, 45x116 feet, tin and slag roof, steam heating, electric lighting. Plans in progress.

Drug Store (alt. and add.), Lebanon, Pa. \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. S. Bashore, Lebanon, Pa. Brick, 3 stories, 30x180 feet, composition roof, electric lighting, metal lath. Owner taking bids.

Chapel, Heckscherville, Pa. \$5,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, R. C. Church of the Holy Sacrament, Heckscherville, Pa. Frame, 1½ stories, 35x66 feet, composition roof, electric lighting. Owner is taking bids.

Bank Building, Scranton, Pa. \$250,000. Architects, P. B. Belis and R. W. Snyder, 516 Spruce street, Scranton, Pa. Owner, First National Bank, 334 Lackawanna avenue, Scranton, Pa. Marble, 2 stories, 60x150 feet, composition roof, steam heating, indirect electric lighting, cork and marble floors, metal lath, waterproofing and dampproofing, steel sash, ornamental iron stairs, vaults, bronze doors. Plans in progress.

Church, Wilkes-Barre, Pa. \$10,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre, Pa. Owner, Second Primitive Methodist Church, Rev. A. Iveson, Wilkes-Barre, Pa. Frame, 1 story, 46x80 feet, asbes-

tos shingle roof, steam heating, electric lighting, metal lath, dampproofing. Plans in progress.

School, Glen Lyon, Newport Township, Pa. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owner, School Board, care Joseph Dzialowski, Secretary, Glen Lyon, Pa. Brick, 2 stories, 60x80 feet, slag roof, steam heating, electric lighting, metal ceilings, slate blackboards. Plans in progress.

Residence, Wilkes-Barre, Pa. \$5,000. Architect, Otto A. Kleeman, 28 South Main street, Wilkes-Barre, Pa. Owner, Thomas Bedford, Wilkes-Barre, Pa. Brick, 2½ stories, 27x34 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Plans in progress.

Church, Swoyersville, Pa. \$10,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre, Pa. Owner, St. Nicholas Greek Catholic Church, care Andrew Sasson, Swoyersville, Pa. Brick, 1 story, 36x68 feet, slate roof, steam heating, electric lighting. Revised plans in progress.

Picture Theatre, Wilkes-Barre, Pa. \$10,000. Architect, Otto A. Kleeman, 28 South Main street, Wilkes-Barre, Pa. Owner, B. Gottlieb, Wilkes-Barre, Pa. Brick and stucco, 1 story, 20x169 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing. Owner taking bids.

Synagogue, Hazleton, Pa. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Beth Israel Congregation, Hazleton, Pa. Tapestry bricks and terra cotta, 1 story, 32x76 feet, asbestos roof, steam heating, electric lighting, metal lath, dampproofing, ornamental iron. Owner is taking sub-bids.

High School, Hughestown, Pa. \$30,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owners, School Board, care of Edward Schmaltz, Pittston, Pa. Frame, 3 stories, 78x81 feet, asbestos shingle roof, steam heating, electric lighting, composition flooring, metal lath, waterproofing, dampproofing, slate blackboards. Plans in progress. Owners will take bids in two weeks.

Church, Jermy, Pa. \$15,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owners, Orthodox Greek Catholic Church, care of Nicholas Obuck, Jermy, Pa. Frame, 2 stories, 40x75 feet, slate roof, heating not decided. Plans in progress.

Sunday School (add.), Peckville, Pa. \$15,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owners, Meth-



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTD BUSHED 1895

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings

New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

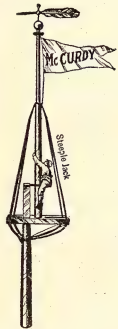
ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
88 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.

PHILADELPHIA

VALVES
AND
SCALESFLAG POLES
and FittingsTubular Steel,
Oregon Pine,
Norway Spruce,
All SizesFurnished and Erected
CompleteSTEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
PhiladelphiaBell, Filbert 23-13.
Keystone, Race 60-17AWells - Soundings
Test BoringsArtesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

Brick Arches and Angles
Ground and FittedFull Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters

114 N. 2nd St., Phila.

odist Episcopal Church, Rev. Palmer, Peakville, Pa. Frame and steeple, 2 stories, 54x76 feet, asbestos shingle roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing, sliding partitions. Plans in progress. Architects will take bids in three weeks.

Synagogue (add.), East Exeter, Pa. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owner's name withheld. Frame, 1 story, steam heating, electric lighting, metal lath. Plans in progress.

Residence, Exeter, Pa., \$4,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owner, B. Wruble, Exeter, Pa. Frame, 2½ stories, 32x32 feet, asbestos shingle roof, steam heating, electric lighting. Plans in progress. Architects will take bids in one week.

Residence (alt. and add.), Pittston, Pa., \$4,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owner, Dr. H. J. Lenahan, Pittston, Pa. Brick, 2½ stories, 18x24 feet, slate roof, hot water heating, gas and electric lighting. Owner taking bids.

Residence, Scranton, Pa., \$15,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, David Harris, Scranton, Pa. Stucco, 2½ stories, 38x50 feet, tile roof, steam heating, electric lighting, tile work, hardwood floors, metal lath, waterproofing and dampproofing. Plans in progress.

Synagogue (Int. Alts.), Dickson City, Pa., \$5,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owners, Israel Markowitz Synagogue, Dickson City, Pa. Consists of balcony and interior alterations, metal ceilings. Plans in progress.

Hospital, Blakely, Pa., \$75,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owners, Blakely Poor District, Blakely, Pa. Brick, 2 stories, tile roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

Nurses' Home, Nanticoke, Pa., \$20,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owners, Nanticoke State Hospital, Nanticoke, Pa. Brick, 2 stories, 35x65 feet, tile roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

School, Carbondale Heights, Pa., \$150,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owners, Board of Education, Carbondale, Pa. Brick, 3 stories, slate roofing, mechanical warm air heating, electric lighting, waterproofing and dampproofing, slate blackboards. Plans in progress.

Schools (2), Dickson City, Pa., \$80,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Board of Education, Edward Jackson, President, Dickson City, Pa. Brick and steel, 2 stories, 90x160 feet, slag roofs, fan system of heating and ventilating, electric lighting, composition flooring, metal lath, fire escapes, iron stairs. Plans in progress.

Twin Residence, Bethlehem, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre. Owner, Evan Waters, 304 Linden street, Bethlehem, Pa. Frame, 2½ stories, 56x36 feet, slate roof, hot air heating, electric lighting. Owner taking bids.

Residence, Lansford, Pa., \$10,000. Architects, Pettibone & Lewis, Second National Bank Building, Wilkes-Barre. Owner, W. G. Thomas, Lansford, Pa. Frame, 2 stories, 32x60 feet, asbestos shingle or slate roof, steam heating, electric lighting, hardwood floors, tile work, metal lath. Owner is taking bids.

Hotel (Int. Alts.), Wilkes-Barre, Pa., \$25,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Hotel Sterling, Wilkes-Barre, Pa. Consists of new ball room, dining rooms and kitchen, decorating, electric lighting. Plans about completed. Architects will soon take bids.

Hospital Buildings (5), Elizabethtown, Pa. Architects, Guy King & Co., 1513 Walnut st., Philadelphia. Owners, the Philadelphia Order of Free Masons, Broad and Filbert streets, Philadelphia. Stone, 1, 2 and 3 stories, fireproof, consists of a group of 5 buildings, slate roof, steam heating, electric lighting. Plans about to be started.

Church (remodeling), Shenandoah, Pa. Architects, Bertollett & Matthews, 1614 Filbert street, Philadelphia. Owners, St. George's Lithuanian R. C. Church, Shenandoah, Pa. Granite, 1 story, 25x60 feet, asbestos shingle roof. Architects taking bids, due May 20th. The following are figuring: F. J. Colgan; 2205 North Broad street; Felix Cantono, 1720 Cayuga street, both of Philadelphia; Jacob Jacoby, Hazleton, Pa.; F. H. Keiser & Co., Pottstown, Pa.; Gordon Nagle, Pottsville, Pa.; Cameron & Morrison, Port Deposit, Md.; E. D. Smith, St. Clair, Pa.

Factory Buildings, Marcus Hook, Pa., \$125,000. Architect, private plans. Owners, United Roofing and Manufacturing Co., Morris Building, Philadelphia. Consists of a group of 7 buildings, 1, 2 and 3 stories, brick and concrete, 23x43 feet, 112x25 feet, 70x70 feet, 80x30 feet, 210x56 feet, 136x56 feet and 200x100 feet, expanded metal, electric lighting, rolling steel doors, metal windows and doors, fire doors, fire escapes. Owners taking bids, due May 25th. The following are figuring: W. W. Lindsey & Co., Harrison Building; I. T. Shoemaker, 1309 Walnut street; Metzger & Fisher, Denckla Building; Barclay White Co., Perry Building, all of Philadelphia.

Bank, Stores and Hotel (alts. and adds.), Mt. Carmel, Pa. Architect, W. H. Lee, Dime Bank Building, Shamokin, Pa. Owners, Union National Bank, Mt. Carmel, Pa. Brick, stone and terra cotta, 4 stories, 50x151 feet, asphalt and asbestos roof, safety treads, tile and marble work, metal lath, waterproofing, composition flooring, metal windows, oak floors (plumbing, heating, electric work and bank fixtures reserved). Architect taking bids, due June 1st. F. Roe Searing, Perry Building, Philadelphia, is figuring.

PENNSYLVANIA

Contracts Awarded

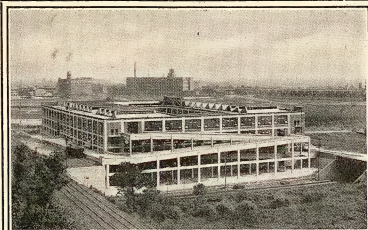
School, Luzerne Borough, Pa., \$50,000. Architects, Pettibone & Lewis, Second Na-

tional Bank Building, Wilkes-Barre. Owners, Luzerne Borough School District, Pittston,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Pa. Brick, 2 stories, composition roof, slate blackboards. Contract awarded to Z. Litts & Son, Forty Fort, Pa.

Hotel (alts.), Plymouth, Pa. Architect, Henry Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Standard Brewing Co., Scranton, Pa. Consists of new front and interior alterations, tile work, leaded glass, metal ceilings. Contract awarded to Henry Mellon, Wilkes-Barre, Pa.

Picture Theatre, Avoca, Pa., \$7,000. Architect, Henry Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, T. J. Dunn, Avoca, Pa. Brick, 2 stories, 38x123 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Contract awarded to C. J. Gibson, Avoca, Pa.

High School, Edwardsville, Pa., \$80,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Board of Education, Alfred Davis, Chairman, Edwardsville, Pa. Brick and frame, 2 stories, 136x80 feet, slate roof, steam heating, electric lighting, slate blackboards. Contract awarded to Bowman & Troy, Forty Fort, Pa.

High School (add.), Hanover Township, Pa. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Board of Education, Hanover Township, Pa. Brick, 2 stories, 80x60 feet, slag roof, steam heating, electric lighting, metal ceilings. Contract awarded to Herman Mailander, 167 Barney street, Wilkes-Barre, Pa.

Store Building (alt. and add.), Wilkes-Barre, Pa., \$35,000. Architect, Frank B. R. Sahn, Second National Bank Building, Wilkes-Barre, Pa. Owners, The Boston Store, 15 South Main street, Wilkes-Barre, Pa. Brick, 4 stories, 85x155 feet, slag roof, metal lath (electric work reserved). Contract awarded to Wilson J. Smith, 293 South Main street, Wilkes-Barre, Pa.

Passenger Station, Tunnels and Platforms, Wilkesburg, Pa., \$125,000. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick and stone, 2 stories, 125x60 feet, slate roof, steam heating, electric lighting. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Bank Building (alts.), Norristown, Pa. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Montgomery National Bank, Norristown, Pa. Consists of remodeling of interior, new banking fixtures, electric lighting, marble and tile work, stone, 1 story. Contract awarded to F. R. Heavner, Norristown, Pa.

Almshouse, Blakely, Pa., \$35,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, Poor Board of Blakely, Pa. Brick, 2½ stories, 48x96 feet, slate roof, steam heating, electric lighting, metal lath, composition flooring, dampproofing, iron stars. Contract awarded to Roberts Lumber and Realty Co., Peckville, Pa.

School Building, Banks Township, Pa., \$10,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners,

Board of Education, James Martin, Chairman, Audenberg, Pa. Frame, 1½ stories, 68x72 feet, shingle roof, steam heating, electric lighting. Contract awarded to Henry Presser, Summit Hill, Pa.

Residence and Garage, Drexel Hill, Pa. Architects, Shore & Dodge, 608 Chestnut st., Philadelphia. Owner, Thomas T. Wolfendon, Drexel Hill, Pa. Hollow tile and plaster, 2½ stories, 34x41 feet, shingle roof, hot water heating, electric lighting. Contract awarded to M. Roy Sheen, 450 North Wilton street, Philadelphia.

Rectory, Lock Haven, Pa. Architects, Ed. E. Durang & Sons, Twelfth and Chestnut sts., Philadelphia. Owners, Immaculate Conception R. C. Church, Lock Haven, Pa., Rev. W. Davies, Lock Haven, Pa. Stone, 2½ stories, 40x50 feet, slate and canvas roof (heating and lighting reserved). Contract awarded to Frank X. Bauman, Carrolltown, Pa.

Residence (alt. and add.), Rydal, Pa. Architects, Wilson, Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Charles L. Borie, Jr., Rydal, Pa. Stone and plaster, 2½ stories, tin roof, metal ceilings (heating and lighting reserved). Contract awarded to H. E. Burrell, 206 South Quince street, Philadelphia.

Weave Shed, Hazleton, Pa. Architects, Balingier & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., Hazleton, Pa. Brick and concrete, 2 stories, 90x135 feet, slag roof (heating and lighting reserved). Contract awarded to United Fireproofing Co., 1133 Broadway, New York City.

Ice Plant, Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, Merchants' Ice Co., Harrisburg, Pa. Brick or hollow tile, 1 story, capacity of plant, 75 tons, slag roof, electric lighting, 60x170 feet. Contract awarded to Herman Voigt, 1251 North Twenty-eighth street, Philadelphia.

Animal House, Glenolden, Pa. Architect, private plans. Owner, H. K. Mulford, 412 South Thirteenth street, Philadelphia, care of G. L. Baker, Glenolden, Pa. Hollow tile and concrete, 4 stories, 40x80 feet, asbestos shingle roof, iron stairs, waterproofing, composition floors (heating and lighting, reserved). Contract awarded to Thomas M. Seeds, Jr., 1207 Race street, Philadelphia.

Residence, Merion, Pa., \$15,000. Architects, Frank Seeburger & Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, William H. Steigerwalt, 1420 Chestnut street, Philadelphia. Stone and timber, 2½ stories, 30x75 feet, slate roof, hot water heating, oak floors, electric lighting. Contract awarded to John E. Kearney, 327 North Sixty-third street, Philadelphia.

Rectory (alt. and add.), Whitmarsh, Pa. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owners, St. Thomas' Church, Whitmarsh, Pa. Stone, 2½ stories, slate roof (heating and lighting reserved). Contract awarded to David McCork, Flourtown, Pa.

Receiving Station, Gordonville, Pa. Archi-

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

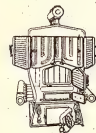
T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

= MILLS =



"Satisfaction"

When a type of boiler is made for 40 years, and each year's sales increase over previous ones there is but one conclusion—

They must give satisfaction.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

R. J. CARRICK,

Contracting

Painter and Decorator

Hardwood Finishing Freescing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

teet, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, Ed. W. Woolman, 4709 Lancaster avenue, Philadelphia. Hollow tile, 1 story, 30x60 feet, composition roof, metal lath, electric lighting. Contract awarded to Joseph Aiken, Vintage, Pa.

Residences (2), Springfield, Pa., \$9,000. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building, Philadelphia. Stone and frame, 2½ stories, 29x31 feet, slate roof, hot air heating, electric lighting, oak floors. Contract awarded

ed to W. Harry Roberts, P. O. Ardmore, Pa.
Residences (2), Springfield, Pa., \$9,000.
 Architects, Martin & Kirkpatrick, 130 South
 Fifteenth street, Philadelphia. Owners,
 Springfield Real Estate Co., Commercial Trust

Building, Philadelphia. Stone and frame, 2½
 stories, 24x30 feet, slate roof, electric light-
 ing, hot air heating, oak floors. Contract
 awarded to W. Harry Roberts, P. O. Ardmore,
 Pa.

NEW JERSEY

Construction News

Schools (2), Collingswood, N. J. Architect,
 Clyde S. Adams, 1509 Arch street, Philadel-
 phia. Owners, Board of Education, Collings-
 wood, N. J. Brick and stone, 2 stories, com-
 position roof, safety treads, metal lath, fire-
 proofing (heating and lighting separate bids).
 Owners taking bids, due May 20th. The fol-
 lowing are figuring: P. Roe Searing, Ferry
 Building; Eugene Tourison, 1001 Chestnut
 street; McCloskey-Bahls, Hale Building, Phila-
 delphia; George W. Shaner, Palmyra, N. J.;
 W. A. Richman, Moorestown, N. J.; George
 Bachmann, 19 North Thirtieth street, Camden,
 N. J.

School, Paulsboro, N. J. Architect, Clyde
 S. Adams, 1509 Arch street, Philadelphia.
 Owners, Board of Education, Paulsboro, N. J.
 Brick, 2 stories, 30x100 feet, slate roof. Plans
 in progress.

Photographic Studio, Camden, N. J. Archi-
 tects, Ballinger & Perrot, Seventeenth and
 Arch streets, Philadelphia. Owners, Victor
 Talking Machine Co., Camden, N. J. Gal-
 vanized iron and steel, 1 story, 27x44 feet,
 slag roof, electric lighting, steam heating.
 Architects have received bids.

Residence, Woodbury, N. J. Architects,
 Martin & Kirkpatrick, 130 South Fifteenth
 street, Philadelphia. Owner, A. Browning
 Canfield, Woodbury, N. J. Stone and frame,
 2½ stories, 20x45 feet; wing, 15x20 feet, shingle
 roof, electric lighting, hot air heating, oak
 floors. Architect taking bids, due May 19th.
 H. Godfrey and S. H. Sharp, Cape May, N.
 J.; W. D. Fletcher and Joseph Best, Wood-
 bury, N. J.; Eugene Tourison, 1001 Chestnut
 street, Philadelphia, are figuring.

School Building, Ateco, N. J. Architect,
 Clyde S. Adams, 1509 Arch street, Philadel-
 phia. Owners, Board of Education, Ateco, N.
 J. Brick, stone trimmings, 60x70 feet, slate
 roof, heating undecided, electric lighting, slate
 blackboards. Plans in progress. Owners will
 take bids in about one month.

Toilet Fixtures, Trenton, N. J., \$3,000.
 Architect, George S. Drew, State Capitol,
 Trenton, N. J. Owners, New Jersey State
 Normal School, Trenton, N. J. Consists of
 ntw toilet fixtures and interior alterations.
 Owners ready for bids.

Stores and Apartments, Trenton, N. J.,
 \$7,800. Architect, Charles Muchs, 456 Nor-
 way avenue, Trenton, N. J. Owners, Andrew
 Greiger & Stephen Helmig, Aldine and Chest-
 nut streets, Trenton, N. J. Brick, 2 stories
 14x30 feet and 18x30 feet, slag roof, steam
 heating, electric lighting. Owners are sub-
 letting all contract.

Residences (4), Trenton, N. J., \$12,000.

Architect, private plans. Owner, Thomas W.
 Wilson, 232 Berwyn avenue, Trenton, N. J.
 Brick and frame, 2½ stories, 14x42 feet each,
 slate roofs, hot water heating, electric light-
 ing. Owner is sub-letting all contracts.

Residences (2), Trenton, N. J. Architect,
 private plans. Owner, Samuel C. Kulp, Broad
 Street Bank Building, Trenton, N. J. Frame,
 2 stories, 20x27 feet each, slate roofs, hot
 water heating, electric lighting. Owner is
 sub-letting all contracts.

Court House (alt. and add.), Toms River,
 N. J., \$50,000. Architect, Jacob Telush, Red
 Bank, N. J. Owners, Board of Commissioners,
 care of W. L. Butler, chairman, Beach
 Haven, N. J. Hollow tile and plaster, 1 story,
 38x56 feet, asbestos shingle roof, steam heat-
 ing, composition floors, metal lath, dampproof-
 ing, metal frames and sash, metal furniture.
 Plans in progress.

Garage and Storage House, 713 Kaighn ave-
 nue, Camden, N. J. Architect, private plans.
 Owner, Patrick Carr, 701 Kaighn avenue,
 Camden, N. J. Brick, 2 stories, 22x105 feet,
 slag roof, steam heating. Owner is taking
 bids.

Residences (4), Kenwood avenue, Camden,
 N. J. Architect, private plans. Owner, E. F.
 Crane, 729 Mickle street, Camden, N. J. Brick,
 2 stories, 15x52 feet, slag roof, hot air heat-
 ing, gas lighting. Owner is taking sub-bids.

School (add.), Atlantic City, N. J., \$120,000.
 Architects, Stout & Riabenack, Bartlett Build-
 ing, Atlantic City, N. J. Owners, Board of
 Education, H. H. Young, Secretary, Atlantic
 City, N. J. Brick, concrete, terra cotta, fire-
 proof, 3 stories, 90x150 feet, composition
 roof, mechanical heating and ventilating sys-
 tem, electric lighting, waterproofing and
 dampproofing. Plans completed. Ready for
 bids.

Schools (2), Collingswood, N. J., \$75,000.
 Architect, Clyde S. Adams, 1509 Arch street,
 Philadelphia. Owners, Board of Education,
 Collingswood, N. J. Brick and stone, 2 stories,
 composition roof, safety treads, metal
 lath, fireproofing (heating and lighting sepa-
 rate bids). In addition to those previously re-
 ported, W. H. Anstine Co., 1213 Filbert street,
 and Conners Bros. Co., 64 West Eighty-eighth
 street, New York City, are figuring.

Wagon Factory, Fifth street, above Market
 street, Camden, N. J. Architect, Joshua C.
 Jefferis, 1001 Chestnut street, Philadelphia.
 Owner, R. Preisendanz, 15 Market street,
 Camden, N. J. Brick, 3 stories, slag roof,
 steam heating, electric lighting. Plans in
 progress.

awarded to S. W. Mather & Son, 30 South
 Clinton avenue, Trenton, N. J.

High School, Trenton, N. J., \$250,000.
 Architect, William A. Poland, 9 South Stock-
 ton street, Trenton, N. J. Owners, Board of
 Education, 9 South Stockton street, Trenton,
 N. J. Brick and stone, fireproof, 1 and 4
 stories, 211x275 feet; wing, 101x204 feet, com-
 position and inlaid slate roof, iron stairs and
 safety treads, glazed brick, metal lath. Con-
 tract awarded to S. W. Mather & Sons, 30
 South Clinton avenue, Trenton, N. J.

Hospital (add.), Northfield, N. J. Archi-
 tect, S. Hudson Vaughn, Bartlett Building,
 Atlantic City, N. J. Owners, Atlantic County
 Hospital, Atlantic City, N. J. Brick, 1 and
 2 stories, 31x275 feet; wings, 34x27 feet and
 34x55 feet, shingle roof, composition floors,
 waterproofing (heating and lighting reserv-
 ed). Contract awarded to J. Mathis & Son,
 Bartlett Building, Atlantic City, N. J.

School, Millville, N. J., \$59,897. Architect,
 Arnold H. Moses, 136 South Fourth street,
 Philadelphia. Owners, Board of Education,
 D. C. Lewis, President, Millville, N. J. Brick
 and stone trimmings, fireproof, 2 stories, 160x
 111 feet, slag roof, maple floors, electric light-
 ing, metal lath, safety treads, dampproofing
 (heating and ventilating system separate
 bids). Contract awarded to Berry-Goodwin
 Co., 136 South Fourth street, Philadelphia.

Miscellaneous Construction News

Picture Theatre, Wilmington, Del. Archi-
 tects, Hoffman & Co., Juniper and Market sts.,
 Philadelphia. Owner's name withheld. Brick
 and terra cotta, 1 story, 30x125 feet, slag
 roof. Plans in progress.

Residence, Wilmington, Del., \$50,000. Archi-
 tects, De Armond, Achmed & Bickley, 618
 Chestnut street, Philadelphia. Owner, Josiah
 Marvel, du Pont Building, Wilmington, Del.
 Stone, 3 stories, 40x118 feet; garage, 1 and 2
 stories, 30x50 feet; wing, 26x43 feet, shingle,
 tile and slag roof, electric lighting, bond, oak
 floors, metal lath (heating reserved). Archi-
 tects and owner taking sub-bids.

Office Building, Detroit, Mich. Architects,
 Smith, Hinchman & Grylls, Detroit, Mich.
 Owners, Gray Estate Co., Detroit, Mich. Brick
 and terra cotta, fireproof, 3 stories, 80x100
 feet, composition roof, steam heating, electric
 lighting, dampproofing. Architects taking
 bids, due May 19th. Irwin & Leighton, 126
 North Twelfth street, Philadelphia, are figur-
 ing.

Court Building, Detroit, Mich. Architects,
 Smith, Hinchman & Grylls, Detroit, Mich.
 Owners, City of Detroit. Brick and stone, fire-
 proof, 6 stories, 94x170 feet, composition roof,
 electric lighting, steam heating, metal frames
 and sash, metal lath, waterproofing. Owner
 taking bids, due June 7th. Irwin & Leighton,
 126 North Twelfth street, Philadelphia, are
 figuring.

Hospital Building, Alliance, Ohio. Archi-
 tect, Willard Hirsch, Cleveland, Ohio. Owners,
 City of Alliance, Alliance, Ohio. Brick, terra
 cotta, concrete and steel, fireproof, 3 stories,
 consists of 2 wings, 49x107 feet each, gravel
 roof, terrazzo floors, iron stairs, steam or
 vapor heating, metal lath. Owners taking
 bids, due May 28th. James H. Wells, Heed
 Building, Philadelphia, is figuring.

School Building, Cleveland, Ohio. Archi-
 tect, private plans. Owners, Board of Educa-
 tion, Cleveland, Ohio. Brick, concrete and
 steel, fireproof, 3 stories, 73x168 feet, slag
 roof, steam heating, electric lighting, safety
 treads, waterproofing. Owners taking bids,
 due June 1st. James H. Wells, Heed Building,
 Philadelphia, is figuring.

Office Building, Washington, D. C., \$1,500-
 000. Architect, James A. Wetmore, Treasury
 (Continued on Page 322.)

NEW JERSEY

Contracts Awarded

Residence, Riverton, N. J. Architect, Al-
 bert J. Schenck, Real Estate Trust Building,
 Philadelphia. Owner, Howard D. Sordon,
 Riverton, N. J. Hollow tile and plaster, 2½
 stories, 30x30 feet; wing, 15x20 feet, shingle
 roof, oak floors (heating and plumbing and
 electric work reserved). Contract awarded to

Louis F. Lowden, Riverton, N. J.

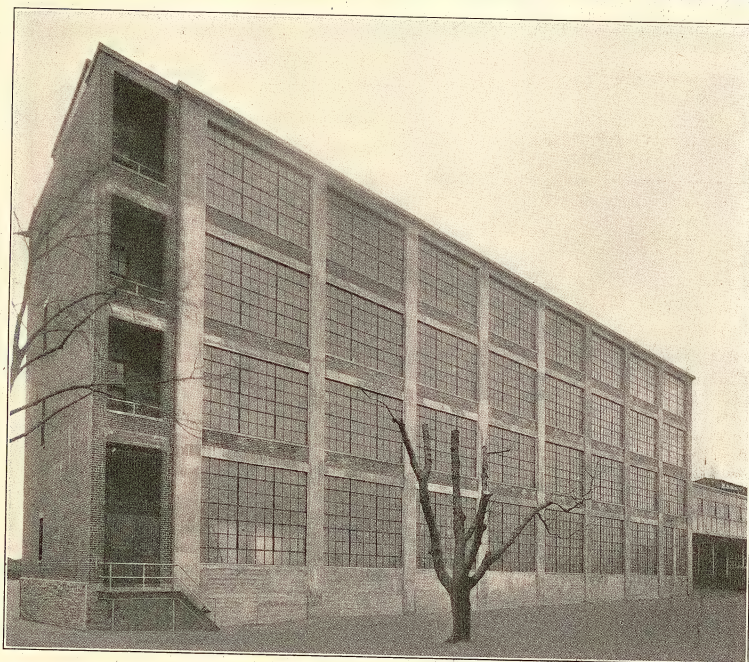
Rubber Factory (add.), Trenton, N. J.
 Architects, W. W. Slack & Son, American Me-
 chanics' Building, Trenton. Owners, Ajax-
 Grieb Rubber Co., Breunig avenue, Trenton,
 N. J. Brick, 1 story, 28x58 feet, slag roof,
 steam heating, electric lighting. Contract



SAUMS PRESERVATIVE



Makes Wood and Concrete Water, Weather and Acid Resisting



*Balenger & Perrot
Architects*

Quaker City Rubber Co. Plant
Wissinoming, Pa.

*Turner Concrete Steel Co.
Builders*

SAUMS PRESERVATIVE protects and preserves in this modern building the concrete floors, wood floors, garage floors, acid tanks, acid pits and vulcanizing department floors.

**Saums Preservative was used successfully in this Model Building
Why not in Your Building?**

Make Your Floors Permanent by the Saums Method

THE SAGENDORPH COMPANY, Inc.
131-133 SOUTH 24th STREET : : PHILADELPHIA, PA.

When writing to advertisers, please mention THE BUILDERS' GUIDE.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year
ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., MAY 19, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Penner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
 Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—"C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President. M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President. John F. Harbeson
Vice-President Herman L. Duhring
Secretary Frederick A. Muhlenberg
Treasurer Walter Mellor
Directors—Clarence C. Zantziager, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

G. Bernard Shaw doesn't write much as a rule that is of interest to architects. That he writes quite as cleverly of art topics as of those related to life and literature is evidenced in a letter written by him some years ago to a friend and only recently printed in the columns of the New York "Sun."

It will be noticed that while couched in a style unusually sedate for its author, the letter is not without flashes, here and there, of the famous Shavian wit.

"11 August, 1899, Haslemere, Surrey.

"I am completely disabled from meddling in this question of the decoration of St. Paul's, because I have not seen it, being laid up here with a bad foot.

"Your petition would, as far as I can judge, be improved by the omission of the third paragraph. In the first place, 'the spirit of devotion' is a point on which a dean may be presumed (however conventionally) to be at least as safe an authority as a body of art students, mostly heathens. In the second place, it discredits your criticism by suggesting a misunderstanding of Wren.

"Roughly speaking, pre-Raphaelite art is devotional and sentimental; Renaissance art, magnificent and intellectual. We have had in this century a strong reaction from Renaissance art to pre-Raphaelite art, headed by men who made it an article of that artistic religion to disparage Michael Angelo, to ignore Brunelleschi and to ridicule Wren. The real objection to Richmond is that he sprang from this school and was therefore likely not to preserve the character of St. Paul's, but to belittle it expressly to bring it within the range of a tender, devotional, lovingly lavish and minute scheme of color and design.

"The objections of the British public to such a scheme are quite worthless; the average Englishman thinks color disreputable, and would support Richmond heartily if he put a starched collar around the dome and a tall hat on the ball. The art students must not condescend to hit Richmond with that stick—they must stand for the artist against the Philistine at all hazards. But if Richmond is really trying to make a pre-Raphaelite church out of a Palladium cathedral, then I think there should be an energetic protest, just as there should be if Brunelleschi's San Lorenzo in Florence were handed over to be decorated with Morris wall papers. Clearly, however, such a protest must not talk about 'desecration' and 'disturbing the spirit of devotion,' since the pre-Raphaelizing of a Palladium church means introducing a spirit of devotion into the foreign atmosphere of a temple of intellectual magnificence.

"If Richmond is not doing this, and has frankly abandoned the old vendetta of his school against the Renaissance, then I think that the Dean and Chapter, having chosen their man, are bound to stick to him. When I last saw the interior of St. Paul's its naked-

ness was ghastly; it proclaimed itself unfinished from every pillar. If the British dread of color requires that it be left as it was then in point of architecture, then the lighting of the church—the fenestration—should be altered, or else the whole affair handed over to Messrs. Gilbey to store their wines in.

"You will gather from the above that the mere fact that Richmond's work has raised an outcry raises no presumption against it in my mind. The presumption against Richmond as a disciple of the Twelfth Century contra Wren school is much more serious, and Mr. D. S. MacColl may be right in the opposition he bases on that circumstance. I can say no more until I see the work; but if I disapprove of it when I do see it, I can hardly expect the Dean and Chapter to prefer my taste to that of Sir William Blake Richmond, R. A. What can they do but select an accredited expert and leave the matter in his hands?

"Of course it is a monstrous thing that our architectural monuments should be handed over to the ecclesiastical staff to do as they please with; the recent treatment of the west front of Peterborough has impressed that on most of us painfully enough; but while the power and all its responsibilities remain with them, I confess I cannot see what better they can do than engage some artist whose eminence has been officially recognized and let him do his best. Yours faithfully,
"G. BERNARD SHAW."

* * *

The usual sub-current of cultivated understanding, observable elsewhere in Shaw's comment on plays and pictures and books and buildings is here apparent. Like all true artists, Shaw has the gift of appreciation. His point of view will be endorsed by architects. His sense of values is intuitively correct.

* * *

In a recent number "The Guide" reprinted, from the pages of the "Heating and Ventilating Magazine," an address delivered by D. D. Kimball on "The Relation of the Architect and the Engineer." No credit was given the "Heating and Ventilating Magazine" for the reproduction of the paper because of the fact that Mr. Kimball's article, having been read by him publicly, was not in the nature of exclusive matter. Since our publication of it we have been advised by Mr. R. S. Armagnac, of the "Heating and Ventilating Magazine," that Mr. Kimball had reserved the rights of publication, and that these rights were sold by Mr. Kimball to that magazine. Under the circumstances, we feel that the fullest credit is due the "Heating and Ventilating Magazine" for our reprint of Mr. Kimball's very timely and interesting paper.

* * *

Mr. C. Matlack Price has an article in the current number of "Arts and Decoration" on

"The Gothic Style and Interior Decoration." Mr. Price points out that the Gothic style, through centuries of usage, has come to be associated with ecclesiastical thoughts, so that the average attempt to domesticate it, to adapt it to general use, strikes the beholder as bizarre if not candidly ludicrous. "That Gothic forms should be domesticated," writes Mr. Price, "is neither logical nor desirable, because they are not expressive of domesticity, and, should they become generally used as architectural media, they would lose much of their ecclesiastical significance."

"Nothing against the Gothic style itself is to be argued from its non-adaptability in domestic architecture, as it possesses qualities of a kind of richness, within itself, which have never been attained by any other decorative style," writes Mr. Price. "There exists in Gothic forms a certain mediaeval quality which is a unique medium for the expression of values, literary or romantic. All Gothic design tells some sort of a story—architecture, tapestry or any other Gothic decorative art—is filled with 'personages,' or with growing trees or plants or grotesque animals. No art but Gothic art could have conceived and evolved the gargoyle."

"In this peculiarity of humanism in Gothic art—of its curious living or personal quality, it is interesting to quote the impression of a keen observer and trenchant essayist who happens to be neither an architect nor an art critic, Mr. Chesterton. If the lay observer finds so interesting a message, it seems even more worth listening to than the utterance of an architect, who, through constant familiarity and work, fails in fresh and true vision of the architectural forms with which he works, exactly as daily familiarity with his T-square dulls his realization that the T-square is a very remarkable invention."

"Thus Mr. Chesterton: 'The great Greeks preferred to carve their gods and heroes doing nothing—splendid and philosophic as their composure is, there is always about it something that marks the master of many slaves. But if there was one thing early mediaevals liked it was representing people doing something—hunting, or rowing boats, or treading grapes, or making shoes, or cooking something in a pot. . . . For this reason the whole effect of Greek and Gothic carving is different. The figures in the Elgin marbles, though often reining their steeds for an instant in the air, seem frozen forever at that perfect instant. But a mass of mediaeval carving seems actually a sort of bustle or hubbub in stone. Sometimes one cannot help feeling that the groups actually move and mix, and the whole front of a great cathedral has the hum of a huge hive.'"

The editor of the "Clay Worker," in a recent communication to the New York "Sun," dealing with the Edison fire at Orange, N. J., happened to indulge the remark—born, we suppose, of his enthusiasm for clay,—that reinforced concrete proved itself a failure in the Baltimore fire.

Mr. Theodore Starrett, who, as a practical builder and building expert, is abundantly

qualified to express an opinion of value on most any phase of the building game, was prompt to take issue with this statement regarding concrete, which he does in the following communication to the same newspaper, the "Sun:"

"The irrepressible conflict between cinders and clay in their respective uses as building materials crops out in a communication signed by the editor of the 'Clay Worker,' published in the 'Sun,'" writes Mr. Starrett. "This gentleman dismisses Mr. Edison from the field of building construction by pointing to his achievements in electricity. He discredits Mr. Edison's statement about a brick building which was exposed to the fire at West Orange, and he then makes a statement which should not be allowed to go unchallenged, to the effect that reinforced concrete proved itself a failure in the Baltimore fire."

"Immediately after the Baltimore fire I visited the ruins and spent two days looking over the vestiges of the conflagration. Reinforced concrete was at that time rather a novelty in building construction in the United States, and I was particularly struck by the fact that two small buildings whose floors were made of this material had come through the fire apparently absolutely uninjured, while granite, stone and terra cotta had been almost invariably ruined, and cored or webbed clay construction, meaning hollow blocks, had been injured beyond repair."

"Other so-called fireproof materials had demonstrated their weakness. Bricks had shown their fire retardant qualities in a magnificent manner, but only in the case of vertical walls. The reinforced concrete referred to was used for floors, which is an entirely different matter. So impressed was I with the manner in which concrete showed up after that awful test that I told a reporter of the Chicago 'Tribune' who interviewed me upon my return from Baltimore that I considered that reinforced concrete properly built was the best fire resisting floor yet discovered, and the thing was printed to the extent of a column and a half."

"Three or four months afterward appeared the report of the engineers of the National Board of Fire Underwriters setting forth the results of their observations on the Baltimore fire and the lessons in fire retardant construction that were to be gained therefrom. I was very much interested to find on reading this report that their observations upon the subject of reinforced concrete were almost identical with my own. That is why I remember the matter so vividly and am so positive that the editor of the 'Clay Worker' is wrong in his remarks about concrete."

And as somebody, somewhere, has before remarked—there you are again!

That "Build Now" campaign is still growing.

When will it strike Philadelphia?

Samuel F. Nixon, the theatrical manager, who purchased a site and gave it out that he purposed to erect a million dollar hotel on

the beach front at Atlantic City, now announces that he has changed his mind. Mr. Nixon wasn't looking for free press notices from the very outset, we hope.

By the way, doesn't it begin to look as if this fad for building beach front hotels, so far as Atlantic City, at least, is concerned, has reached its limit? A great big hotel, minus guests, is about the most dismal proposition it is possible to conceive.

Operative builders are still busy.

Alfred Noyes, the brilliant young English poet who has been lecturing here, is rhapsodizing about our American architecture.

"When I first came to New York I was very much impressed by the possibilities in American architecture," Mr. Noyes explained. "It seemed to me that there is an absolutely new movement groping ahead—something quite different from anything we have elsewhere in the world. I do not know precisely how best to express what I felt—I felt, I think, a vague conviction that there is in your architecture the capacity of a classical renaissance. I was, for some reason, carried right back to the Greeks. It was the last thing I expected—I expected something extremely modern and bizarre. I think the pure sky helped, the cornices of the skyscrapers added. While lecture touring since, the vague impression I felt that first day has persistently recurred to me, come, I suppose, from intimations of it in house architecture everywhere. All this is, of course, vague, but to me the impression that I got at first and since have retained is tremendously interesting. I felt that there was a new and real movement forward. I still feel so."

All of which is very nice and pleasing and agreeable if Mr. Noyes really means it all. One of the unpleasant features about these glowing tributes from foreign visitors is our

FASTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



more or less insistent conviction that these pleasant things are said not because they are really true or merited, but because our foreign friends feel that we shall be pleased to be told that they are merited and that we shall believe the pleasant things said of us regardless of whether they are merited or not.

FIRE RETARDANT APPLIANCES.

The Philadelphia Fire Retardant Co. has opened offices at 1614 Cherry street, Philadelphia, and are handling a complete line of fire retardant appliances, including rolled steel sash, partitions and doors, pressed steel stairs and door frames, steel rolling doors, kalamain doors, metal windows, elevator doors, Saino fire doors and shutters.

Among the concerns represented by the above are the Saino Fire Door and Shutter Co., of Chicago, and Mesker Brothers Iron Company, of St. Louis.

Architects, owners and builders desiring information on any fire retardant appliances would do well to secure information and samples from the Philadelphia Fire Retardant Co. before placing their orders.

A PROMINENT PAINTING CONTRACTOR.

Robert J. Carrick, contracting painter and decorator, has made material progress since located at his new offices and warehouses, 2016, 18, 20 Ranstead street, Philadelphia.

Mr. Carrick has received recently painting contracts on many prominent buildings in Philadelphia.

The work executed in numerous offices at the City Hall is a glowing testimonial of the ability and thoroughness with which Mr. Carrick handles contracts for painting and decorating.

MISCELLANEOUS CONSTRUCTION NEWS (Continued from Page 318.)

Department, Washington, D. C. Owner, U. S. government, Treasury Department, Washington, D. C. Brick, limestone and steel, fireproof, 7 stories, 400x400 feet, composition roof, steam heating and mechanical plant, electric lighting, elevators, tile and marble work, ornamental iron. Owners taking bids, due July 13th, at 3 P. M. Plans may be obtained from architect upon deposit of a certified check of \$250.

Library Building, Indianapolis, Ind., \$250,000. Architects (associated), Paul F. Cret and Zantinger, Borie & Medary, northeast corner of Fourteenth and Walnut streets, Philadelphia. Owners, city of Indianapolis, John E. Cleland, Business Director, Indianapolis, Ind. Stone and steel, fireproof, 1 story. Plans completed. Owners will soon advertise for bids.

Church, Washington, D. C. Architect, Chas. Bolton, Witherspoon Building, Philadelphia. Owners, St. Andrew's P. E. Church, Washington, D. C. Brick and terra cotta, 1 story, 50x110 feet, slate roof, electric lighting, steam heating. Architect taking bids, due May 29th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street, Philadelphia; W. P. Lipscombe Co., Charles Langley, J. L. Marshall, Frank L. Wagner, W. B. Mooney, Milton Const. Co., W. A. Kimmel and W. S. Spencer, Washington, D. C.

College Building, Urbana, Ill. Architect, James B. Dibbelka, Chicago, Ill. Owners, University of Illinois, Urbana, Ill. Brick and stone, fireproof, 3 stories, 80x147 feet, composition roof, electric lighting, steam heating, metal lath, metal frames and sash, safety treads, waterproofing. Architect taking bids, due June 1st. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

High School (add.), Wilmington, Del., \$135,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, board of Education, Wilmington, Del. Brick, 4 stories, 85x135 feet, slate roof, electric lighting, mechanical heating system. Plans in progress.

Miscellaneous Contracts Awarded

Residence (alt. and add.), Milford, Del. Architects De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Mrs. Saunders Truitt, Milford, Del. Frame, 2½ stories, new wing, 15x20 feet and 12x15 feet, single roof, steam heating, oak floors. Contract awarded to William S. Shockey, Milford, Del.

Residence (alt.), Wilmington, Del., \$15,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Lamont du Pont, Pennsylvania and Rising Sun lane, Wilmington, Del. Consists of conservatory and interior alterations, tile roof, electric lighting, tile work and mantels, steam heating extension. Contract awarded to James M. Smyth, 2406 West Sixteenth street, Wilmington, Del., who is taking sub-bids.

Sunday School and Chapel, Wilmington, Del., \$10,000. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner's name withheld. Brick, limestone and stucco, 1½ stories, 45x60 feet and 30x30 feet, slate roof, steam heating, electric lighting. Contract awarded to A. B. Sharp, Wilmington, Del.

Normal School, Fairmont, W. Va., \$115,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, West Virginia State Normal School, Fairmont, W. Va. Brick, stone, terra cotta and steel, fireproof, 2 stories, 65x200 feet, slag roof and promenade tile roof, electric lighting, steam heating, iron

stairs, safety treads, composition floors, metal ceilings, expanded metal lath, metal doors and trimmings, oak floors, metal weather strip. Contract awarded to J. L. Crouse, Greensboro, N. C.

Maryland Construction News

Store Building (alt. and add.), 3 North Gay street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Samuel Kahn, 19 North Gay street, Baltimore. Brick, 4 stories, consists of new front and interior alterations, steam heating, electric lighting. Plans in progress.

Store Building (alt. and add.), 5 and 7 North Gay street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, M. Hamburger, 308 North Gay street, Baltimore. Brick, 4 stories, consists of new front and interior alterations. Plans in progress.

Store Building (alt. and add.), Howard and Fayette streets, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Julius Mintz, Equitable Building, Baltimore, Md. Brick, 4 stories, 30x75 feet, consists of new front and interior alterations, steam heating, electric lighting. Plans in progress.

School Building, Millington, Md. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Board of Education, care of J. P. Ahern, Millington, Md. Brick, 2 stories. Details not decided. Plans in progress.

Engine House and Police Station, Govans, Md., \$6,000. Architect, A. Murray Myers, Equitable Building, Baltimore. Owners, County Commissioners, Towson, Md. Brick, 2 stories, slate and asbestos roof, steam heating, electric lighting. Owners taking bids, due May 25th.

Residences (14), East Monument street, Baltimore, Md., \$18,000. Architect, C. Broning, 31 North Potomac street, Baltimore, Md. Owners, J. L. White Realty Co., Potomac and McEldey streets, Baltimore. Brick, 2 stories, 14x47 feet each, Carey roofs, hot air heating. Owner taking sub-bids.

Residence (remodeling), Calvert, near Chase street, Baltimore. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owner, Mrs. Edward Shoemaker, 1031 North Calvert street, Baltimore. Consists of remodeling, interior painting, cabinet work, hardwood floors, etc. Plans in progress.

Dance Hall and Swimming Pool, 3410 Apartmentory Terrace, Baltimore, Md. Architects, Owens & Sisoo, Continental Building, Baltimore. Owner, John Wedderburn, 2310 Ruskin avenue, Baltimore. Steam heating, electric lighting, concrete and hardwood floors. Owner taking bids, due June 1st.

Apartment House (add), Thirty-third and St. Paul streets, \$30,000. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owners, Boulevard Apartment House Co., on premises. Brick, 3 stories, 69x92 feet, tile roof, hot water heating, electric lighting. Plans in progress.

Apartment House, Lake View Drive and Brookfield avenue, Baltimore. Architects, May & Smith, Professional Building, Baltimore. Owners, Benjamin & Lee S. Meyer, Continental Building, Baltimore. Brick and stone, 4 stories, 87x116 feet, steam heating, electric lighting, hardwood floors, tile work. Plans in progress.

Apartment House, Chauncey avenue, near Linden avenue, Baltimore, Md., \$75,000. Architect, George R. Callis, Jr., Knickerbocker Building, Baltimore. Owners, Chauncey Apartment Co., Baltimore, Md. Tapestry

TO STRIVE FOR BETTER TILE WORK

The Philadelphia Tile, Mantel and Grate Association Will Endeavor to Raise the Standard Both as to Material and Workmanship in and About Philadelphia. Most Widely Known Firms in the Trade Identified with the Movement.

It seems to be not generally known that to Philadelphia belongs the honor of having organized one of the first associations of tile men in the United States, an association still in healthy and flourishing existence.—The Philadelphia Tile, Mantel and Grate Association, chartered April 30th, 1898. The officers of this association, all of whom are well-known in the trade, are M. I. Ryan, President; S. F. Williamson, Vice-President; H. L. Watts, Secretary, and Vincent Cianci, Treasurer.

Philadelphia was one of the first cities in the New World to make use of tile, and has been the hailing point of every tile-setter of any consequence since the introduction of tile in America.

Secretary Watts, of the Philadelphia Association, is our authority for the statement that the first tile put on the walls in America was that placed at the Guarantee Trust and Safe Deposit Company, in Philadelphia, in 1874.

Philadelphia has never ceased putting up tile since, with the result that to-day she is recognized as one of the tile centers of the United States. It is claimed by tile men that more tile-setting and better tile-setting is done by the Philadelphia branches of the industry than by any other center known to the trade.

Among the well-known tile men identified with the Philadelphia Tile, Mantel and Grate Association, as members, are the following firms: Belfi Brothers, The W. M. Blackburn Company, A. Bray, Atlantic City, N. J.; Vincent Cianci, Deal & Holmes, R. A. Fowler, J. Greenwood, Haney, White & Co., The E. P. Henry Co., The Italian Marble Mosaic Co., The Kensington Tile Co., The J. J. O'Keefe Co., Atlantic City, N. J.; The Roman Mosaic Co., The M. I. Ryan Co., T. Reilly, Atlantic City, N. J.; Wesley Sloan, Charles Suddards, William H. Watts & Co., J. M. Keenan, A. Bush, The Warren Woodworking Co.

This association is managed along up-to-date lines and is a power for good in its field.

The new officers, each of whom is a live wire in the tile trade, have caused to be sent out to the architectural profession the following communication:

Dear Sir:

As a protection to yourselves and your client, we, the tile dealers of Philadelphia, have formed an association for the betterment of the tile work done heretofore in the city of Philadelphia and its environs.

We propose to see that a better grade of tile is used and a superior order of workmanship furnished in the buildings erected in our jurisdiction.

There is more tile work to-day than at any previous period in the city's history, showing that this attractive decorative medium has become a necessity as well as a luxury. As a sanitary material it has been in use for centuries, holding its remarkable vogue because no other material known to the building trades is so easily kept clean and free from lurking places for germs and filth.

What we ask is your co-operation to the extent that when you specify tile, you see that the material furnished is such as to come up to the full standard of your specifications.

We, the members of the Philadelphia Tile, Mantel and Grate Association, stand ready to supply you with any information you may require pertaining to any given piece of tile work and to assure you the material and the workmanship that your client is paying for.

Thanking you in advance for any courtesies extended us, and trusting that you will grant us an interview when you desire information on any of the classes of work in which we specialize, we remain,

Very truly,

THE PHILADELPHIA TILE, MANTEL
AND GRATE ASSOCIATION.

H. L. WATTS, Secretary.

The object of the association is to raise the standard of workmanship in tile-setting, to give Philadelphia tile work an eminence apart from that done in other sections of the country due to the selection and use of higher grade materials and the employment of a higher grade of workmanship.

This is a decidedly laudable endeavor and one in which the "Guide" feels sure the association may count upon the active aid and co-operation of the architectural fraternity.

brick, 5 stories, 128x75 feet, slag roof, steam heating, electric lighting, hardwood floors, tile work. Plans in progress.

Maryland

Contracts Awarded

School Building, Betterton, Md., \$6,000. Architect, W. E. Hance, 204 West Twenty-

fourth street, Wilmington, Del. Owners, School Board of Kent County. Brick and frame, 2 stories, 43x84 feet, slate roof, hot air heating, slate blackboards, metal lath. Contract awarded to George E. Lane, Queens-town, Md.

School Building, Rock Hill, Md., \$11,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, School Board, care of Prof. J. L. Smith, Chestertown, Md. Brick, 2 stories, 46x90 feet,

slate roof, hot air heating, electric lighting, slate blackboards. Contract awarded to W. T. Tiffin, Chestertown, Md.

School, Kennelyville, Md., \$5,700. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care of J. L. Smith, President, Chestertown, Md. Frame, 2 stories, 33x60 feet, slate roof, hot air heating, metal lath. Contract awarded to William Warkman, Milton, Del.

Store and Apartment House, 1013-15 West North avenue, Baltimore. Architect, private plans. Owner, David Siegel, 2216 Callow avenue, Baltimore. Brick and steel, 5 stories, slag roof, hot water heating, electric lighting, tile work. Contract awarded to Charles L. Stockhausen, Marine Bank Building, Baltimore, Md.

Garage, Old Lane, near Retreat street, Baltimore, \$10,000. Architects, Haskell & Barnes, 301 North Charles street, Baltimore. Owner, William J. Tickner, North and Pennsylvania avenues, Baltimore. Brick, 1 story, 186x105 feet, slag roof, cement floors, electric lighting. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Permits for New Buildings

L. Linus (O), 4651 North Fifth street. E. J. Kelley (C), 2334 North Nineteenth street. Four dwellings, brick, 2 stories, 15x30 feet, Fifth and Lindley avenue.

J. N. Mitchell (O), Forty-sixth and Market streets. Cost, \$14,000; 8 dwellings, brick, 2 stories, 18x27 feet, Sixty-second and Stiles streets. Cost, \$14,000; 8 dwellings, Cost, \$4,000; 2 dwellings. Cost, \$3,600; 2 dwellings. Cost, \$4,000; 2 dwellings. Cost, \$7,200; 4 dwellings. Cost, \$9,000; 5 dwellings. Cost, \$11,200; 7 dwellings. Cost, \$3,600; 2 dwellings.

P. Zelazowski (O), Melrose and Orthodox streets. A. H. (C), 2416 Orthodox street. Cost, \$3,500. Store and dwelling, brick, 2 stories, 20x36 feet, Melrose and Orthodox streets.

H. De Witt Irwin (O), Overbrook, Pa. F. B. Davis (C), 240 North Sixteenth street. Cost, \$12,000. Dwelling, stone, 2½ stories, 28x46 feet, Overbrook, Pa.

H. Wissimer (O), 497 Markle street. Cost, \$4,000. Two dwellings, brick, 2 stories, 16x44 feet, 491-493 Markle street.

W. A. Dereher (O), 510 West Glenwood avenue. H. B. Boorse (C), 665 North Fifteenth street. Cost, \$2,300. Dwelling, brick, 2 stories, 16x50 feet, Princeton and Oakley streets. Cost, \$2,300. Dwelling.

J. H. McClatchy (O), 846 Land Title Building. Cost, \$10,000. Dwelling, stone, 3 stories, 40x31 feet, Germantown.

E. P. Deitrick (O), 3016 Comly street. Lewis Deitrick (C), 3016 Comly street. Cost, \$4,800. Four dwellings, brick, 2 stories, 6x34 feet, Cottage and Van Kirk streets.

Levick & Waldow (O), 1829 South Seventh street. Cost, \$26,600. Nineteen dwellings, brick, 2 stories, 15x25 feet, 2401 to 2437 South Orkney street. Cost, \$4,200; 3 dwellings. Cost, \$11,800; 54 dwellings.

Kenin & Shapiro (O), 6305 Market street. Cost, \$54,000. Twenty-seven dwellings, brick, 2 stories, 16x34 feet, Tulpehocken and Morton streets.

E. D. Smith (O), Wheatsheaf Lane and Cedar street. C. F. Gruber (C), Glenside, Pa. Cost, \$4,560. Manufacturing, brick, 2 stories, 32x52 feet, Wheatsheaf Lane and Cedar street.

Marshall & Gorman (O), Fifty-second and Arch streets. Cost, \$125,300. Sixty-five dwellings, brick, 2 stories, 16x35 feet, Seventy-eighth and Catharine streets.

M. W. Dougherty (O), 4930 Warrington street. Cost, \$72,000. Forty-eight dwellings, brick, 2 stories, 14x30 feet, Frankford ave-

nue and Pickwick street. Cost, \$8,000; 5 dwellings. Cost, \$30,000; 20 dwellings. Cost, \$31,500; 21 dwellings. Cost, \$33,000; 22 dwellings. Cost, \$34,500; 23 dwellings. Cost, \$32,000; 2 dwellings.

J. H. McClatchy (O), Land Title Building. Cost, \$8,000. Dwelling, stone, 2½ stories, 26x37 feet, Westview avenue and McCallum street.

J. F. McGinty (O), 2010 North Broad street. E. G. Holloway (O), 924 West Duncannon street. Cost, \$32,800. Eight dwellings, 2 stories, 16x56 feet, Twelfth and Wingohocking streets.

Alterations and Additions

M. Elderton (O), 21 East Mt. Pleasant avenue. A. Whitehead, Inc. (C), 1624 Latimer street. Cost, \$1,700. Garage, 21 East Mt. Pleasant avenue.

Judge Von Moschizsker (O), 2101 Delancey street. H. E. Grau Co. (C), 1707 Sansom street. Cost, \$1,500. Dwelling, 2101 Delancey street.

Hahnemann Hospital (O), Fifteenth and Race streets. Chas. Gilpin (C), Harrison Building. Cost, \$8,000. Hospital, Fifteenth and Race streets.

S. J. Lyons (O), 2846½ Kensington avenue. Stewart Bros. (C), 2526 North Orkney street. Cost, \$4,600. Store, 2846½ Kensington avenue.

J. B. Cancelho (O), 127 Dock street. J. Palia (C), 712 Fitzwater street. Cost, \$3,000. Storage, 111 Dock street.

R. J. Dobbins Est. (O), 308 North Broad street. A. P. Fraim (C), 319 Market street. Cost, \$17,400. Store, 312 North Broad street.

A. F. Malins (O), 410 South Second street. M. J. Bryan (C), 278 South American street. Cost, \$1,890. Saloon, Second and Pine streets.

B. H. Forden & Co. (O), Richmond and Brill streets. E. F. Bender (C), 6014 Torredale avenue. Cost, \$3,000. Boiler house, Richmond and Brill streets.

Miss Devine (O), 1909 Christian street. Alex. Chamley (C), 243 South Tenth street. Cost, \$1,000. Dwelling, 1909 Christian street.

Archbishop E. F. Prendegast (O), Eighteenth and Race streets. Wm. J. McShane (C), 417 South Thirteenth street. Cost, \$1,700. Rectory, Eighty-sixth and Tinicum avenue.

A. Finman (O), 1041 Emily street. S. Goldstein (C), 212 Catherine street. Cost, \$1,000. Store and dwelling, 1313 South Fourth street.

N. Zimmerman (O), 425 Fairmount avenue. Lustbader Co. (C), New York City. Cost, \$1,000. Smoke house, 425 Fairmount avenue.

C. Eckhart (O), 4815 North Twelfth street. H. W. Greene (C), 990 North Marshall street.

H. D. Clauser (O), 2617 Germantown avenue. J. Y. Loux (C), 1121 Rising Sun Lane. Cost, \$2,540. Store, 2617 Germantown avenue.

J. T. Lewis & Bros. (O), Huntingdon and Thompson streets. Cost, \$11,000. Storage.

TRADE NEWS AND GOSSIP.

**The fourth annual convention of the Metal Branch of the National Hardware Association will be held on Friday and Saturday, May 21 and 22, at the Fort Pitt Hotel, Pittsburgh, Pa.

**John C. Jay, Jr., general manager of sales and recently elected vice-president of the Pennsylvania Steel Company and Mary-

land Steel Company, was the guest of honor at a dinner tendered by the sales department of the companies at the University Club, New York City, Friday evening, April 16. Every domestic sales office of the companies with the exception of San Francisco was represented. Charles S. Clark, the dean of the department, presided.

**The National Association of Master Plumbers will hold its annual convention at San Francisco, June 30-July 1.

**The National Sculptors' Society, Architectural League of New York, Art Commission Associates, National Institute of Arts and Letters, National Academy of Design and the Century Association held a joint meeting in memory of Karl Bitter, the sculptor, who died April 10, from injuries received in an automobile accident, in the Ethical Culture Meeting Hall, 2 West Sixty-fourth street, Wednesday evening, April 21. The meeting was addressed by Dr. Felix Adler, George McAneny, Herbert Adams and John G. Milburn.

**The New York Electrical Show will be held at the Grand Central Palace October 16, 1915. Arthur Williams, president.

**After the annual meeting of the National Fire Protection Association, soon to be held, a conference of building commissioners and inspectors will occur in the Hotel Astor, New York City, on May 14. The conference is called by a committee consisting of building department officials in many of the larger cities of the country. Questions to be discussed at the conference include the technical details of the building inspectors' work and the educational methods which can be used to secure a better popular understanding of the requirements of good building.

**The National Hardwood Lumber Association will hold its annual convention in Chicago, June 10-11. Secretary, F. F. Fish, Chicago.

**The Southern Cypress Manufacturers' Association held its annual meeting at the Greenwald Hotel, New Orleans, Wednesday, May 5.

**Owing to the remarkable increase in the demand for space at the Cement Show, the management has found it necessary to secure the First Infantry Armory in Chicago in addition to the Coliseum and Annex for the 1916 show. This necessitates a change in the dates set for the ninth annual exhibition, which will open at 2 P. M. on Saturday, the 12th of February, and close at 11 P. M. on Saturday, the 19th of February, 1916.

**New York Chapter, American Institute of Architects, regular meeting second Wednesday of each month, except July, August and September, at the Fine Arts Building, 215 West Fifty-seventh street.

**Merrill G. Baker, recently appointed assistant to J. Leonard Replogle, vice-president and general manager of sales of the American Vanadium Company, Pittsburgh, with headquarters in New York, has been given the title of assistant general manager of sales.

**Thomas A. Bennett, for the last five years in charge of the conveyor and elevator

belt sales of the B. F. Goodrich Company, Akron, Ohio, has become assistant to the general sales manager of the New Jersey Zinc Company, 55 Wall street, New York City.

**George S. Edwards, vice-president Edwards Manufacturing Company, Cincinnati, Ohio, has been elected as a member of the Board of Directors of the Hyde Park Country Club, and is now serving his second term in that capacity.

**The New Jersey Master Plumbers' Association will hold its annual convention in the Second Regiment Armory, Trenton, N. J., May 25-27.

**The Universal Portland Cement Company, Chicago, Ill., makes announcement of the resignation of J. P. Beck as publicity manager and the appointment of Robert F. Hall, who for several years has been connected with the sales department of the company, as his successor.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

REMOUNT DEPOT, Front Royal, Va., April 23, 1915.—Sealed proposals in triplicate for construction, including steam heat, electric light and plumbing of Double N. C. O. Quarters, Civilian Employee's Quarters, Isolated Quarters for Enlisted Men, Veterinary Ward, Colt Stable, Quartermaster Stable, Granary and Hay Sheds, Granary Office, Farm Implement Shed, Coal Shed and Oil House, will be received until 2 P. M. May 24, 1915. Information on application. Constructing Quartermaster.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 12, 1915.—Sealed Proposals will be received at this office until 3 P. M. July 13, 1915, and then opened, for the construction of the Building, Interior Department Offices, at Washington, D. C., in accordance with drawings and specifications, copies of which may be had at this office, at the discretion of the Supervising Architect. Applications must be accompanied by a certified check for \$250.00 for each set, made payable to the order of the Treasurer of the United States, the proceeds of which will be held until the return of the drawings and specifications in good condition to this office. The building is approximately 680,000 square feet, occupying a site approximately 400 by 400 feet, seven stories and basement, having face brick and limestone facing. Drawings and specifications will be ready June 1, 1915. Contractors may estimate upon (1) the construction, including the mechanical equipment (except elevators); (2) the construction except the mechanical equipment and elevators; (3) the mechanical equipment only (except elevators) or (4) the elevators. James A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (race, etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

K. E. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Auolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Contractors' Equipment

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York,
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Interior Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders' Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York,
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. E. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

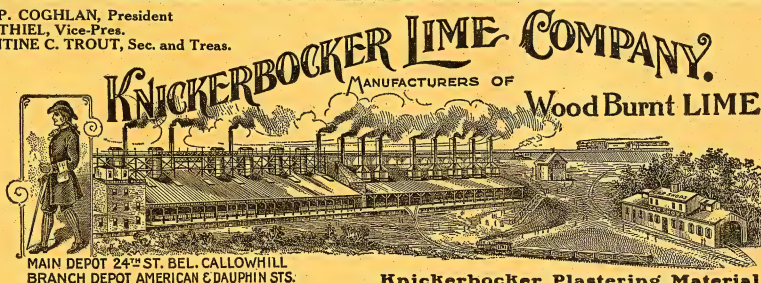
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS.
CON FINISHES

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL

OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.



We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not GET THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 21.

PHILADELPHIA, WEDNESDAY, MAY 26, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924

Keystone, Main 1231

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



PHILADELPHIA FIRE RETARDANT CO.

1614 CHERRY STREET

PHILADELPHIA, PA.

Rolled Steel Sash and Doors, Steel Stairs, Saino Fire Doors and Shutters, Steel Rolling Doors, Kalamein Doors, Metal Windows

WATERPROOFING

A Complete Line of

Integral and Membrane

Waterproofings, Dampproofings

Floor Hardeners and

Technical Paints

MAY WE SOLVE YOUR PROBLEM?

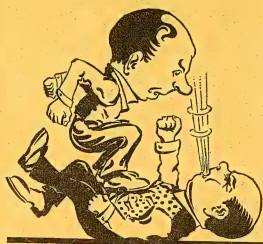
Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING MATERIALS



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta

Face Brick

Hollow Tile

Paving Brick

Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN

CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Do Not Forget

when in the market for

WIRE PRODUCTS

THAT WE MAKE EVERYTHING IN WIRE:

Wire Cloth all grades,
Wire Window Guards,
Wire Partitions and Enclosures,
Wire Lath for Plastering Purposes,
Radiator Guards,
Gravel, Sand and Coal Screens,
Sieves and Riddles,
Special Forms.

Strawbridge & Chase Co., Inc.

AUDUBON, N. J.

ROBERT T. KORB, Pres.
HENRY H. COLLINS, Vice-Pres. } At Your
WM. H. EGEE, Sec. & Treas. } Service

Keystone, Main 3597. Bell, Haddon Heights 573.



"F-S" Products stand the test of time.

Exceptional durability is a strong quality of our Elastic Gloss Finish. It is tough, as well as elastic. It dries free from dust in from 8 to 10 hours. It will prove worthy of your specification.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(113)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

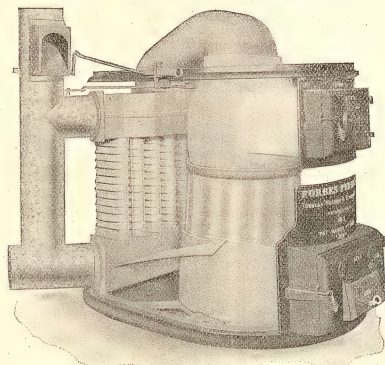
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

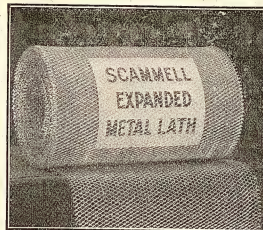
Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.
1511 Sansom Street, Philadelphia

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



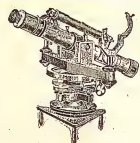
The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

**USE SCAMMELL Lath
for Best Results**

PAYNE & SCAMMELL

Concrete Fireproofing, Metal
Furring and Lathing
Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sunshade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15 to \$115.

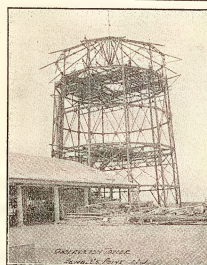
Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material
1125 CHESTNUT ST., Philadelphia
Phones: Bell, Filbert 8903, 3694. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 21.

PHILADELPHIA, WEDNESDAY, MAY 26, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS' FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store and Office Building (alts.), northwest corner Thirteenth and Sansom streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Louis Stecher, 420 Market street, Philadelphia. Brick and terra cotta, 6 stories, consists of new front and interior alterations, steam heating, electric lighting. Architects taking bids, due May 25th. The following are figuring: Loos & Dothard, 1438 South Penn Square; Lam Building Co., 1001 Wood street; Frank G. Stewart, 1619 Sansom street; George & Borst, 277 South Eleventh street; Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Residences (49), Fifty-ninth and Baltimore avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Ferguson & McDowell, 1003 South Fifty-first street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roofs, steam and hot water heating, hardwood floors, gas and electric lighting. Plans completed. Owners are ready for sub-bids.

Residences (17), Fifty-ninth and Jefferson streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, C. W. Ferguson, 6007 Baltimore avenue, Philadelphia. Brick, 2 stories, slag roofs, hot water heating, gas and electric lighting. Owner taking sub-bids.

Store (alts.), 3051 Frankford avenue, Philadelphia. Architect, private plans. Owner, P. Hochman, 3117 Kensington avenue, Philadelphia. Consists of new bulk windows and interior alterations, rolling steel door, office partitions, slag roof, terrazzo floor. Builders, Barclay White Co., Perry Building, taking sub-bids.

Garage, 1844 North Park avenue, Philadelphia, \$4,000. Architect, Otto C. Wolf, Denckla Building, Philadelphia. Owner, Dr. George S. Fuller, 1715 North Twelfth street, Philadelphia. Brick, 2 stories, 22x33 feet, slag roof, steam heating, electric lighting, cement floors. Architect taking bids, due May 27th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; H. E. Grau Co., 1707 Sansom street; F. W. Van Loon, Denckla Building; John N. Gill & Co.,

Building; A. Raymond Raff, 1635 Thompson street, Philadelphia.

Residence, Germantown, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Albert W. Jones, 411 West Cheltenham avenue, Philadelphia. Stone, 2½ stories, hot water heating, electric lighting, oak floors, tile work. Plans in progress.

Residence, Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner, Edward J. Stoesser, 133 West Girard avenue, Philadelphia. Brick and plaster, 2½ stories, 25x40 feet, slate roof, electric lighting, hot water heating, oak floors, tile work. Architect is taking sub-bids.

Church, Thirteenth and Ruscomb streets, Philadelphia, \$60,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Muhlenberg Memorial Lutheran Church, Rev. Jerome M. Guss, 51255 North Marvine street, Philadelphia. Brick and stone, 1 and 2 stories, 90x107 feet, asbestos roof, vapor vacuum heating, electric lighting, metal lath, waterproofing and dampproofing. Architect received revised bids May 24th.

Factory, Twenty-fifth and Locust streets, Philadelphia. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owners, A. H. & F. H. Lippincott, Twenty-fourth and Locust street, Philadelphia. Reinforced concrete, 4 stories, 110x190 feet, slag roof, steam heating, electric lighting, elevators, brick stack, sprinkler system, power plant. Architect taking bids.

Warehouse and Offices (alts.), 30 to 34 South Sixth street, Philadelphia, \$5,000. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Wilkinson Bros. & Co., Inc., on premises. Brick, 4 stories. Consists of general alterations. Plans in progress.

Nurses' Home (add.), York and Tabor roads, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Jewish Hospital Association, on premises. Brick, 3 stories, 34x70 feet, slate roof, expanded metal lath, tile work, electric lighting, metal sash. Architects have received approximate bids.

Church, Fifty-first and Spruce streets, Philadelphia, \$60,000. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, Chapel of the Mediator, care of George W. Jacobs, 1624 Chestnut street. Brick and terra cotta, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Church, Fifty-fourth and Walton avenue, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Wharton Street Methodist Episcopal Church, care of Rev. E. W. Stillman, 5335 Catherine street, Philadelphia. Stone, 2 stories, 80x150 feet, slate roof, electric lighting, steam heating. Architects have received bids.

Factory, Thirty-fourth and Lancaster avenue, Philadelphia. Architect, Joseph H. Maguire, Wayne, Pa. Engineer, William R. Cooper, 5515 Hazel avenue, Philadelphia. Owner, Joseph J. Derham, Rosemont, Pa. Brick and reinforced concrete, 3 stories, 157x160x96 feet, slag roof, steel sash, steel doors and frames, metal lath (electric work, elevator and heating reserved). Architect has received bids.

Drug Store (alt. and add.), Cheltenham avenue and Lime Kiln Pike. Architect, private plans. Owner, Joseph C. Dreilbelbis, on premises. Brick, 3 stories, metal ceilings, oak floors, dampproofing, tin roof, hot water heating, electric lighting. Owner taking bids. The following are figuring: Melver Const. Co., Heed Building; Thomas J. Carberry, 6114 Stenton avenue; Sutton & Stephenson, 1317 Washington avenue; Arthur M. Lance, East Haines street, above Limekiln Pike, Philadelphia.

Store and Apartments (alt. and add.), southwest corner Sixteenth and Brandywine sts. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, George Abbott, West Grove, Pa. Brick, 3 stories, 15x70 feet, tin roof, expanded metal lath, fire doors, parquetry floors, tile work (plumbing, heating, electric work reserved). Architects have received bids.

Residence (alts.), 1607 Diamond street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Philip

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

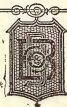
Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



Crown-Adelphia TANK HEATER

This wonderful little heater will furnish an abundance of Hot Water continuously day and night at the cost of a few cents per day.

Installed in the basement, it will not heat the kitchen in summer, and will keep your basement dry.

Furnished in four sizes, No. 1 and 2 recommended for ordinary family use.

CIRCULAR UPON REQUEST

BORDEN STOVE COMPANY

118-122 N. Second Street

Philadelphia

INSTALLED AND GUARANTEED BY YOUR PLUMBER

N. Goldsmith, Hale Building, Philadelphia. Tin roof, oak floors, electric lighting. Architects have received bids.

Factory and Offices (alt. and add.), Huntingdon and Jasper streets, Philadelphia. Architects, Simon & Bassett, 1114 Chestnut street, Philadelphia. Owners, W. H. & A. E. Margerison, Emerald and East Sergeant sts., Philadelphia. Brick, 2 stories, 58x23 feet, slag roof, fire doors, fire escapes, steel rolling doors, wire lath, tile work (heating reserved). Architects have received bids.

Store and Apartments (alt. and add.), 55 North Fifty-second street, Philadelphia. Architect, R. Werner, 5133 Market street, Philadelphia. Owner, Louis S. Heim, 53 North Fifty-second street, Philadelphia. Brick, 3 stories, 18x44 feet, slag roof, expanded metal lath, hot water heating, electric lighting. Owner has received bids.

Armory, Thirty-second and Lancaster avenue, Philadelphia, \$75,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Harrisburg, Pa. Stone, brick, concrete and steel, fireproofing, 2 stories, composition and slate roof, steam heating, electric lighting. Plans in progress.

Store (alts.), 1226 Chestnut street, Philadelphia. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owners, J. & T. Cousins, on premises. Electric lighting, oak floors, dumb waiter, store fixtures and cabinet work. Architect has received revised bids.

Garage, Twenty-first and Brandywine sts., Philadelphia. Architects, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Joseph G. Darlington & Co., 1226 Chestnut street, Philadelphia. Brick, reinforced concrete and steel, fireproof, 3 stories, 65x75 feet, slag roof, steam heating, electric lighting, elevator, metal frames and sash. Plans about completed. Bids will be taken in about ten days.

Garage, Overbrook, Philadelphia. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner's name withheld. Stone, 2 stories, 24x26 feet, red slate roof, electric lighting, steam heating central plant. Plans in progress.

Factory, Thirty-fourth and Lancaster avenue, Philadelphia. Architect, Joseph H. Maguire, Wayne, Pa. Engineer, William R. Cooper, 5515 Hazel avenue, Philadelphia. Owner, Joseph J. Derham, Rosemont, Pa. Brick and reinforced concrete, 3 stories, 157x160x96 feet, slag roof, steel sash, steel doors and frames, metal lath (electric work, elevator,

steam heating reserved). Architect taking bids, due May 27th. In addition to those previously reported, John N. Gill & Co., Heed Building, Philadelphia, are figuring.

Residence (alt. and add.), Seventeenth and Jefferson streets, Philadelphia. Architect, private plans. Owner, Dr. William T. Wyckoff, 1447 North Seventeenth street, Philadelphia. Brick, 3 stories, slag roof, composition floors, steam heating, electric lighting, tile work. Builders, Supple Construction and Contracting Co., Bulletin Building, taking sub-bids.

Residences (48), Fifty-fourth and Whitby avenues, Philadelphia. Architect, J. Elvin Jackson, 727 Walnut street, Philadelphia. Owner, Davis Pennock, 5221 Webster street, Philadelphia. Brick, 2 stories, 15x46 feet each, slag roofs, hot water heating, gas and electric lighting. Owner taking sub-bids.

Store and Residence, 646 South street, Philadelphia. Architect, J. Elvin Jackson, 727 Walnut street, Philadelphia. Owner, Max E. Barnett, 611 South Third street, Philadelphia. Brick, 3 stories, 16x60 feet, slag roof, hot water heating, electric lighting. Plans about completed. Architect will take bids in a few days.

Garage, Walton avenue and Felton street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, McGarrity & Travis, 6230 Catharine street, Philadelphia. Brick, 1 story, 50x100 feet, slag roof, steam heating, electric lighting, gasoline storage system. Owners are taking sub-bids.

Residence (alts.), Dittman and Decatur sts., Philadelphia. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, Howard W. Taylor, on premises. Consists of a new sleeping porch, frame, canvas roof. Architect taking bids, due May 25th. The following are figuring: Specht & Sperry, Heed Building and Joseph A. Hand, 8029 Frankford avenue, Philadelphia.

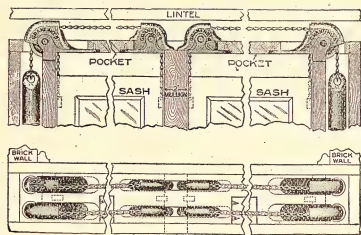
Office Building, 111 and 113 North Broad street, Philadelphia. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owners, Philadelphia Life Insurance Co., William H. Hubbard, Secretary, North American Building, Philadelphia. Brick, terra cotta and steel, fireproof, 5 stories, 40x60 feet, slag roof, steam heating, electric lighting, elevators. Plans in progress.

Cottages (36), Cambria and Cedar streets, Philadelphia, \$48,000. Architect, John I. Bright, 1701 Chestnut street, Philadelphia. Owners, Octavia Hill Association, Charles H. Ludington, President, Sixth and Walnut sts.,

**UNITAS
TILING**
A non metallic substitute for
tile and wood

Manufactured by the
Embossed Wall Covering Co.
Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

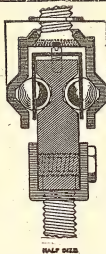
**UNITAS
Composition Flooring**
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.
Is easily installed and quickly adjusted.
Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Philadelphia. Brick, 2 stories, 15x30 feet each, slag roofs. Plans about completed. Architect will take bids in about ten days.

Offices (alt. and add.), 1508 Walnut street, Philadelphia. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owners, Joshua L. Baily & Co., 30 South Fifteenth street, Philadelphia. Brick and stone, 3 stories, consists of remodeling residence for offices, tin roof, fire escapes, expanded metal lath, oak floors (electric lighting, heating, plumbing, tile work, hardwood floors reserved). Architects taking bids, due June 1st. The following are figuring: H. H. Burrell, 206 South Quince street; R. C. Ballinger & Co., 218 North Thirteenth street; Smith-Hardican Co., 1606 Cherry street; P. B. Davis, 240 North Sixteenth street; J. Myers & Sons Co., Witherspoon Building, Philadelphia.

Club House (alt. and add.), 1223 Locust street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Princeton Club of Philadelphia, 15521 Sansom street, Philadelphia. Brick, 4 stories, 18x20 feet, slag roof, electric lighting, oak floors. Architects taking bids, due May 31st. The following are figuring: F. B. Davis, 240 North Sixteenth street; Freund-Seidenbach Co., Bulletin Building; H. E. Grau Co., 1707 Sansom street; William R. Dougherty, 1610 Sansom street; J. P. Thompson, Real Estate Trust Building; Thomas C. Trafford, 1613 Sansom street; Smith-Hardican Co., 1606 Cherry street; Stacy Reeves & Sons, 2011 Market street; Thomas M. Seeds, 1207 Race street; A. H. Williams, 419 Locust street, all of Philadelphia.

Parochial School, Queen and Morris streets, Germantown. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, St. Catharine's School, care of Sisters of the Blessed Sacrament, Cornwallis, Maud P. O., Pa. Brick, stone trimmings, 2 stories, 48x80 feet, slate and slag roof, kalsmeins doors, steel windows, hot water or steam heating, electric lighting, composition flooring, slate blackboards. Architects taking bids, due May 28th. The following are figuring: Wm. J. McShane, 417 South Thirteenth street; John McShain, 631 North Seventeenth street; H. H. Burrell, 206 South Quince street; H. C. Rea Co., 1027 Wood street; William R. Dougherty, 1610 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street; Murphy &

Co., 263 South Tenth street, all of Philadelphia.

Office Building, Thirty-second and Walnut streets, Philadelphia. Architect, Charles W. Denny, Hale Building, Philadelphia. Owners, Otto Gas Engine Works, on premises. Brick, 2 stories, 50x36 feet, slag roof, hot water heating, electric lighting, fire doors, oak office partitions, metal doors and windows, expanded metal lath, sprinklers, dampproofing. Architect taking bids, due May 29th. The following are figuring: Harry Gill, Jr., 2515 Germantown avenue; F. A. Havens & Co., 845 North Nineteenth street; A. R. Raff, 1635 Thompson street; H. C. Rea Co., 1027 Wood street; Smith-Hardican Co., 1606 Cherry st., all of Philadelphia.

School (adds.), Sixth and Wharton streets, Philadelphia, \$100,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, William Dick, Secretary, City Hall, Philadelphia. Consists of 2 wings, stone, 3 stories, slate roof, metal lath, metal weather strips, slate blackboards, glazed bricks, iron stairs, waterproofing (heating, plumbing, electric work separate bids). Owners taking bids, due June 4th, at 1.30 P. M. H. E. Baton, Twelfth and Sansom streets, and Mitchell Bros., 2125 Race street, Philadelphia, are figuring.

Schools (30) (repairs), various locations, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, William Dick, Secretary, City Hall, Philadelphia. Consists of general alterations and repairs to 30 schools. Owners taking bids, due June 4th, at 1.30 P. M. H. E. Baton, Twelfth and Sansom streets, and Mitchell Bros., 2125 Race street, Philadelphia, are figuring.

Laundry and Bakery (alts.), Holmesburg, Philadelphia. Architect, Louis E. Marie, 825 City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, George D. Porter, Director, City Hall, Philadelphia. Consists of alterations to roof, slate and slag roofing, iron trusses, painting, etc. Owners taking bids, due June 2nd, at noon. The following are figuring: Mitchell Bros., 2125 Race street; J. H. Jordan, Thirty-first and Oxford streets; W. W. Anstine & Co., 1218 Filbert street; E. C. Durell, 1713 North Twenty-fourth street, all of Philadelphia.

Police Station (alts.), 330 North Front st.,

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



R. J. CARRICK,
Contracting

Painter and Decorator

Hardwood Finishing Frescoing

Office and Work Rooms Philadelphia
2016-18-20 Ranstead Street Pa.

Contractor's Equipment

NEW AND SECOND HAND

Concrete Mixers Builders' Hoists
Concrete Supports and Ties

C. G. A. SCHMIDT, JR. & CO.
EMPIRE BUILDING, PHILA. PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

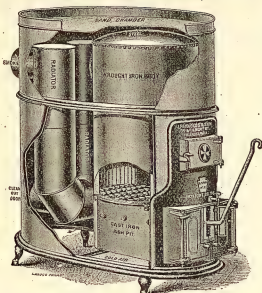
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Wise builders are now looking upon Gas installations as the highest type of insurance; for by equipping their operations with the proper facilities for the use of gas appliances they are not only meeting a popular demand but making quick sales.

Consult with the "Builders and Operators Division."

—Telephones—
Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

Philadelphia. Architect, Louis E. Marie, 825 City Hall. Owners, City of Philadelphia, Department of Public Safety, George D. Porter, Director, City Hall, Philadelphia. Consists of general repairs. Owners taking bids, due June 2nd, at noon. The following are figuring: Mitchell Bros., 2125 Race street; J. H. Jordan, Thirty-first and Oxford streets; E. C. Durell, 1713 North Twenty-fourth street; W. W. Anstine & Co., 1218 Filbert street, all of Philadelphia.

Police Station, Thirty-ninth and Lancaster avenue, Philadelphia. Architect, Louis E. Marie, 825 City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, George D. Porter, Director, City Hall,

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Philadelphia. Consists of general repairs. Owners taking bids, due June 2nd, at noon. The following are figuring: Mitchell Bros., 2125 Race street; J. H. Jordan, Thirty-first and Oxford streets; E. C. Durell, 1713 North Twenty-fourth street; W. W. Anstine & Co., 1218 Filbert street; John McNeil, 513 High street, Germantown.

Office Building (alts.), southwest corner of Juniper and Market streets, Philadelphia. Architect, private plans. Owner, Weightman Estate, 1524 Chestnut street, Philadelphia. Consists of alterations to first floor for stores, new front, electric lighting, tile work. Plans about completed. Owners will probably sublet all work.

Residence, Sixty-third and Sherwood road, Philadelphia, \$15,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, William M. Barnes, Stock Exchange Building, Philadelphia. Stone, 2½ stories, slate roof, steam heating, electric lighting, hardwood floors, tile work. Plans in progress.

Dormitory Building, Seventeenth and Norris streets, Philadelphia. Architect, A. W. Dilks, 1001 Chestnut street, Philadelphia. Owners, the Baptist Home, care of H. Horter, Jr., Court of Common Pleas, No. 1, City Hall, Philadelphia. Brick, stone and terra cotta, 2 stories, 112x48 feet, slag roof, steam heating. Owners have received bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alt. and add.), Pelham and Cresham streets, Germantown, \$5,000. Architects, Savery, Schetz & Savery, Stephen Girard Building, Philadelphia. Owner, Florence J. Hepp, 1117 Chestnut street, Philadelphia. Parquetry floors, electric lighting, metal weather strips, hot water heating. Contract awarded to James H. Wells, Heed Building, Philadelphia.

Residence (alt. and add.), 5917 Greene st., Germantown. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, George K. Allison, 423 West Cheltenham avenue, Philadelphia. Brick and plaster 2½ stories, 18x75 feet, tin roof (heating and lighting reserved), oak floors. Contract awarded to Fred Elvidge & Sons, 5522 Germantown avenue.

Store Building (alts.), 905 Market street, Philadelphia, \$1,000. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Harry E. Kerstine, 3813 North Seventeenth street, Philadelphia. Consists of interior alterations for soda fountain. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Residence (alts.), Sixty-fourth and Drexel road, Philadelphia, \$7,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Clarence H. Geist, Land Title Building, Philadelphia. Consists of general alterations, tile roof, metal lath, tile work (heating, plumbing and electric work reserved). Contract awarded to John N. Gill Co., Heed Building, Philadelphia.

Room (alt. and add.), Room 133, City Hall, Philadelphia. Architect, Louis Marie, City Hall, Philadelphia. Owners, City of Philadelphia. Consists of interior alteration and addition, metal lath, electric lighting, tile work, heating. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

Residence, Overbrook, Philadelphia, \$12,000.

Architects, McIlvain & Roberts, Land Title Building. Owner, J. B. Townsend, 3rd, 2101 Pine street, Philadelphia. Stone, 2½ stories, 32x67 feet, shingle roof, oak floors, electric lighting, vapor heating, separate bids. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

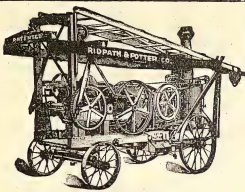
Parochial School, Chestnut Hill avenue, Philadelphia. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Our Mother of Consolation R. C. Church, Rev. N. J. Vasey, 9 East Chestnut Hill avenue, Philadelphia. Stone, 3 stories, 76x100 feet, slate roof, electric lighting (heating reserved). Contract awarded to J. Myers & Sons Co., Witherspoon Building, Philadelphia.

Garage, 2030 Rittenhouse street, Philadelphia. Architect, private plans. Owner, Estate of Caleb J. Milne, Eleventh and Washington avenue. Brick, steel and concrete, 3 stories, 58x75 feet, slag roof, metal lath (heating and lighting reserved), metal frames and sash. Contract awarded to William Steele & Sons, 1600 Arch street, Philadelphia.

Saloon (alt. and add.), 18 South Fifty-second street, Philadelphia. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owner, James F. Goodwin, 1432 Market street, Philadelphia. Cabinet work, tile work, electric work, metal lath (heating, plumbing reserved). Contract awarded to Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Residence, Haines street, Germantown, Philadelphia, \$5,000. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, W. M. C. Kimber, 999 East Haines street, Germantown. Brick, 2½ stories, 28x34 feet, shingle roof, hot air heating, electric lighting. Contract awarded to B. H. McLaughlin, 5226 Larchwood avenue.

Church (alt. and add.), Penn and Chew sts., Germantown, \$12,000. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Redeemer Presbyterian



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

Church, Rev. H. A. MacKubbin, 743 East Wister street, Philadelphia. Stone, 1 and 2 stories, 28x30 feet, slate roof, steam heating, elec-

tric lighting. Contract awarded to Harrison C. Rea Co., 1027 Wood street, Philadelphia.

PENNSYLVANIA Construction News

Residence (alt. and add.), Ardmore, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, Wm. T. Elliott, Ardmore, Pa. Consists of stone porch sun parlor and interior alterations, tile and slag roof (electric lighting and hot water heating and tile work reserved). Architect taking bids, due May 26th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; H. H. Burrell, 206 South Quince street; Stokes Bros., 6723 Musgrave street; F. L. Hoover & Sons, 1023 Cherry street, all or Philadelphia, and J. Morton Warner, Bryn Mawr, Pa.

Residence (alts.), Wynnewood, Pa. Architects, Bunting & Shrigley, 603 Chestnut st., Philadelphia. Owner, Wm. J. Clothier, 131 South Fourth street, Philadelphia. Plaster, 2½ stories. Consists of trio story addition and interior alterations, electric lighting, expanded metal lath (heating reserved). Architects taking bids, due May 29th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; J. J. Murphy & Co., 1139 South Wilton avenue, Milton W. Young, Overbrook, all of Philadelphia; E. Oscar Loh, Llanerch, Pa.; J. D. Lengel, Wayne, Pa.; Gray Bros., Rosemont, Pa.

Grand Stand, Chester, Pa. Engineer, Alfred Weeks, 1433 Chestnut street, Philadelphia. Owners, Chester Fair Ground Association, Chester, Pa. Concrete and steel, 41x237 feet, corrugated steel roof. Engineer taking bids. Melver Const. Co., Heed Building, Philadelphia, is figuring.

Dairy Building, Croydon, Pa. Architects, Hencock & Hokanson, Bailey Building, Philadelphia. Owner, Joseph R. Grundy, Bristol, Pa. Hollow tile and plaster, 1 story, 40x150 feet; wing, 30x100 feet, asphalt shingle roof, cork blocks and concrete floors, electric lighting, 2 15 feet silos. Plans in progress.

Bank Building, Collegeville, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Collegeville National Bank, Collegeville, Pa. Stone, 1 story, 30x70 feet, slag roof, steam heating, electric light-

ing, tile work, banking fixtures. Owners are taking bids.

Sunday School, Harrisburg, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Curtin Heights M. E. Church, Harrisburg, Pa. Stone, 2 stories, slate roof, steam heating, electric lighting. Owners taking bids, due June 1st. The following are figuring: Stapf & Benfer, 24 South Third street; Bernhardt & Co., C. A. Sollenberger, 624 Camp street; Penn Const. Co., 122 Hoerner street, all of Harrisburg, and H. C. Wright, Steelton, Pa.

Residence (alt. and add.), Laverock, Pa. Architects, Furness Evans & Co. and Joseph P. Sims, Provident Building, Philadelphia. Owner, Charles Platt, Jr., 400 Walnut street, Philadelphia. Frame and plaster, 2½ stories, 20x40 feet and 20x24 feet, shingle roof, electric lighting (heating and plumbing reserved). Architects taking bids, due May 26th. The following are figuring: William R. Dougherty, 1610 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; George S. Roth & Sons, 250 East Gravers lane, Philadelphia.

Residence, Springfield, Pa., \$4,500. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building, Philadelphia. Stone and frame, 2½ stories, slate roof, hot air heating, oak floors, electric lighting. Owners taking bids. W. Harry Roberts, P. O. Ardmore, Pa., only bidder.

Factory Buildings, Marcus Hook, Pa., \$125,000. Architect, private plans. Owners, United Roofing and Manufacturing Co., Morris Building, Philadelphia. Consists of group of 7 buildings, 1, 2 and 3 stories, brick and concrete, 23x43 feet, 112x25 feet, 70x70 feet, 80x30 feet, 210x56 feet, 136x56 feet and 200x100 feet, expanded metal, electric lighting, rolling steel doors, metal windows and doors, fire doors, fire escapes. Owners have received bids.

Sanitarium (add.), Cresson, Pa. Architects and engineers, Harris & Richards, Drexel



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING and WIRE WORK
Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
33 and 35 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.
PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

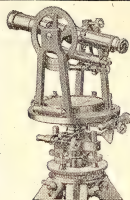
R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
114 N. 2nd St., Phila.



ANOTHER TRIUMPH for a PHILA. MADE PRODUCT

The BUREAU OF SURVEYS, CITY OF PHILA. has adopted as a standard our **STERLING PRECISION TRANSIT**.

This endorsement by such **HIGH AUTHORITY**, should be YOUR GUARANTEE of the **SUPREME ACCURACY, EXCELLENCE of DESIGN and WORKMANSHIP, SIMPLICITY and PRACTICAL VALUE** of

"STERLING" INSTRUMENTS

Our New Models are now on exhibition, and as you will find it **WORTH WHILE** to examine them, **WE INVITE YOU TO CALL AND GET ACQUAINTED!**

WARREN-KNIGHT CO.

We
repair
Transits
Levels

FACTORY AND SALESROOM

PHILADELPHIA

136 N. 12th Street

Rebuild
Instruments
For Sale
or Rent

Building, Philadelphia. Owners, State of Pennsylvania, Department of Health and Charities, Dr. Samuel G. Dixon, 1900 Race street, Philadelphia. Owners have received bids on plumbing, heating and ventilating and electrical work.

Factory, Conshohocken, Pa. Architect, M. Haupt, Drexel Building, Philadelphia. Owner's name withheld. Brick and steel, 4 stories, 40x90 feet, slag roof, electric lighting, steam heating. Architect taking sub-bids.

Residence (alt. and add.), Merion, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Henry Delaplaine, Merion, Pa. Stone and hollow tile, 2½ stories, 40x50 feet, slate roof, oak floors (heating and electric work reserved). Architect has received revised bids.

Chapel, Southampton, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Davisville Baptist Church, Southampton, Pa. Hollow tile and plaster, 1 story, 32x60 feet, shingle roof, hot air heating, electric lighting. Architect has received revised bids.

High School (add.), Athens, Pa. Architects, Pierce & Bickford, Elmira, N. Y. Owners, Board of Education, Athens, Pa. Brick and concrete, fireproof, 2 stories, slag roof, slate blackboards, safety treads, waterproofing (heat, plumbing and electric work separate bids). Owners taking bids, due May 31st. H. H. Wehmeyer, 1004 Lehigh avenue; F. W. Van Loon, Denckla Building, Philadelphia, are figuring.

School (alt. and add.), Athens, Pa. Architects, Pierce & Bickford, Elmira, N. Y. Owners, Board of Education, Athens, Pa. Brick and concrete, 2 stories, slate roof, metal ceilings, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due May 31st. H. H. Wehmeyer, 1004 West Lehigh avenue; F. W. Van Loon, Denckla Building, Philadelphia, are figuring.

Church, Lansdowne, Pa. Architects, Druckmiller & Williams, Land Title Building, Philadelphia. Owners, First Presbyterian Church, care of Rev. William Boyd, Lansdowne, Pa. Stone, 1 story, 36x110 feet, 2 wings, 36x18 feet each, slate roof, electric lighting, steam or vapor vacuum heat. Architects have received bids.

Residence, Norristown, Pa. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owner, H. Lehman Yost, Norristown, Pa. Brick and stucco, 2½ stories, 35x35 feet, slate roof, tile work, oak floors, electric lighting. Architect has received bids.

Bakery, Harrisburg, Pa. Architect, L. S. Beardsley, 35 West Thirty-second street, New York City. Owners, Standard Baking Co., Harrisburg, Pa. Brick and reinforced concrete, 3 stories, 81x153x145 feet, composition

roof, safety treads, steel sash, dampproofing, enameled bricks, fire doors (heating, plumbing, electric work reserved). Architect has received bids.

Residence (alts.), Ardmore, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Adam A. Ross, Ardmore, Pa. Consists of general interior alterations. Plans about completed. Architect will take bids in a few days.

Residence, Dumont, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Frame, 2½ stories, 32x28 feet, shingle roof, hot water heating, electric lighting. Plans about completed. Architect will take bids in a few days.

Bank, Stores and Hotel (alts. and add.), Mt. Carmel, Pa. Architect, W. H. Lee, Dime Bank Building, Shamokin, Pa. Owners, Union National Bank, Mt. Carmel, Pa. Brick, stone and terra cotta, 4 stories, 60x1551 feet, asphalt and asbestos roof, safety treads, tile and marble work, metal lath, waterproofing, composition flooring, metal windows, oak floors (plumbing, heating, electric work and bank fixtures reserved). Architect taking bids, due June 1st. The following are figuring: F. Roe Searing, Perry Building, Philadelphia; George H. Keefer and the Mt. Carmel Lumber Co., both of Mt. Carmel, Pa.; Andrew Breslin, Summit Hill, Pa.; W. D. Steinbach Sons, Lewistown, Pa.; Shepherd Construction Co., Wilkes-Barre, Pa.

High School, South Bethlehem, Pa., \$175,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Board of Education, care of Dr. Yost, Secretary, South Bethlehem, Pa. Brick, 3½ stories, 125x145 feet, composition roof (heating, plumbing and electric work separate bids). Owners taking bids, due May 27th. In addition to those previously reported, Wm. Steele & Sons Co., 1600 Arch street; F. W. Van Loon, Denckla Building, Philadelphia; Ochs Const. Co., Allentown, Pa.; W. U. Jury, Shamokin, Pa.; Robert Peiffer, South Bethlehem, Pa., are figuring.

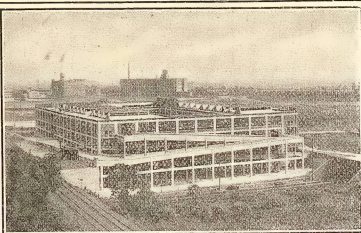
Office Building, Scranton, Pa., \$400,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owners, Scranton Life Insurance Co., Connell Building, Scranton, Pa. Brick, granite, terra cotta and steel, fireproof, 8 stories, 45x143 feet and 45x88 feet, slate roof, tile and marble work, ornamental iron, metal lath, waterproofing and dampproofing (steam heating, plumbing and electric work and elevators separate bids. Architect has received bids.

Office Building, Catsasqua, Pa., \$10,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Bryden Horse Shoe Co., Catsasqua, Pa. Brick, 1½ stories, 66x35 feet, tile roof, steam heating, electric lighting, dampproofing, office fixtures. Plans in progress.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

School Building, Allentown, Pa., \$100,000. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Board of Education, T. P. Werner, Secretary, Allentown, Pa. Brick and steel, 2½ stories, composition roof, mechanical heating and ventilating system, electric lighting, slate blackboards. Plans in progress.

Hospital, Easton, Pa., \$150,000. Architect, not yet selected. Owners, Easton General Hospital, care of William Tonkin, Easton Trust Co. Building, Easton, Pa. Brick and steel, fireproof, 3 or 4 stories. Owners will soon select architect.

Church, Shenandoah, Pa., \$16,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, United Evangelical Church, Shenandoah, Pa. Frame, 2 stories, 41x75 feet, slate roof, steam heating, electric lighting. Owners taking bids.

Residence, Bethlehem, Pa., \$25,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Howard Knecht, Bethlehem, Pa. Brick and stucco, 3 stories, 40x38 feet; wing, 18x32 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids. The following are figuring: W. F. Danzer, Ston & Meringer, George Heller and Robert Peiffer, all of Bethlehem, Pa.

High School (add.), Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Board of Education, Bethlehem, Pa. Brick, 1 story, 88x63 feet, slag roof, metal lath (heating, plumbing and electric work separate bids). Plans completed. Owners ready for bids.

Post Office (alt. and add.), Reading, Pa., \$100,000. Architect, J. A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Brick, stone, terra cotta and steel, fireproof, 3 stories, 210x120 feet, slag roof, steam heating, electric lighting, marble and terrazzo work, metal lath. Owners taking bids, due June 8th. The following are figuring: F. W. Van Loon, Denckla Building, Philadelphia; J. S. Rogers Co., Moorestown, N. J.; M. Yeager, Danville, Ill.; John Lowry, Jr., 8 West Fortieth street, New York City; Henry F. Russell, Reading, Pa.

Residence, Shenandoah, Pa., \$6,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner's name withheld. Brick, 2½ stories, slate roof, steam or hot water heating, electric lighting. Plans in progress.

Bank Building (alt. and add.), Hummelstown, Pa., \$20,000. Architect, A. A. Ritcher, Sixth and Court street, Reading, Pa. Owners,

Farmers' National Bank, Hummelstown, Pa. Brick, stone trimmings, 3 stories, 36x60 feet, vapor heating, electric lighting, tile and marble work, metal lath, metal furniture, banking fixtures, vault. Plans in progress.

Church and Sunday School, Derry, Pa., \$12,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Paul's Church, Rev. W. H. Landis, Derry, Pa. Brick and terra cotta, 1½ stories, 40x80 feet, slate roof, vapor heating, electric lighting. Plans about completed. Architect will take bids in a few days.

High School, Lebanon, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, John Selzer, chairman of Building Committee, Lebanon, Pa. Brick, 2½ stories, 180x180 feet, tile roof, indirect fan system of steam heating, electric lighting, tile work, waterproofing and dampproofing. Plans in progress.

Factory, Fleetwood, Pa., \$40,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Fleetwood Metal Body Co., Fleetwood, Pa. Brick and concrete, 2½ stories, 499x140 feet, composition roof, steam heating, electric lighting, metal lath. Plans in progress. Architect will take sub-bids in about three weeks.

Vault (add.), Reading, Pa., \$5,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, City of Reading, City Hall, Reading, Pa. Hollow tile, 3 stories, concrete and slag roof, electric lighting, concrete floors, metal lath, waterproofing and dampproofing, metal furniture, vault doors. Plans in progress.

Apartments (alt. and add.), Reading, Pa. Architect, Wayne High, 416 Penn street, Reading, Pa. Owner, Samuel J. Wagner, 328 North Sixth street, Reading, Pa. Brick, 3 stories, slag roof, steam heating, electric lighting. Plans in progress.

School Building, Bowmstown, Pa., \$8,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Board of Education, Bowmstown, Pa. Brick, 1 story, 50x51 feet, slate roof, steam heating, electric lighting, slate blackboards. Plans in progress. Bids in about three weeks.

Residence, Cressona, Pa., \$4,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owner, L. D. Wagner Cressona, Pa. Brick and frame, 2 stories, 20x28 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architect will take bids in a few days.

School, Shoemakersville, Pa., \$18,000. Architect, Wayne High, 416 Penn street, Reading,

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

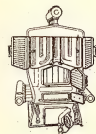
T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

—MILLS—



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

Pa. Owners, Board of Education of Perry Township Shoemakersville, Pa. Brick, 2 stories, 72x69 feet, slate roof, hot air heating, electric lighting. Plans in progress. Owners will be ready for bids June 10th.

Bank Building, Elverson, Pa., \$4,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Elverson National Bank, care of Henry Zook, Elverson, Pa. Stone and terra cotta, 1 story, 28x30 feet, tile roof, steam heating, electric lighting, tile work, banking fixtures. Owner is taking bids.

Chapel, Heckscherville, Pa., \$5,000. Archi-

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

HARTMAN BLDG. VAPOR HEATING CO., YORK : PA.

teet, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Holy Sacrament R. C. Chapel, Heckscherville, Pa. Frame, 1½ stories, 35x66 feet, composition roof, electric lighting. Owners are taking bids.

Church, Mt. Joy, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court street, Reading, Pa. Owners, United Brethren Church, Rev. D. E. Long, Mt. Joy, Pa. Brick, stone trimmings, 1 story, 50x128 feet, slate roof, vapor heating, electric lighting, metal lath, waterproofing and dampproofing. Owners are taking sub-bids.

Factory Buildings, Chester, Pa., \$75,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Klauder-Weldon Dyeing Machinery Co., Amsterdam, N. Y. Brick, concrete and steel, 1 and 2 stories, 150x350 feet, consists of a group of 5 buildings, slag roofs, steam heating, electric lighting, metal frames and sash. Plans in progress. Architects will take bids in 2 months.

Dormitory, Harrisburg, Pa., \$30,000. Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owners, Harrisburg Academy, Professor Brown, Har-

risburg, Pa. Brick, hollow tile and concrete, 3 stories, 35x110 feet, slate roof (heating and electric work separate bids). Revised plans in progress.

Silk Mill, Dorranceton, Pa., \$150,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., Hazleton, Pa. Consists of a group of 1 and 2-story buildings, composition roofs, steam heating, electric lighting. Revised plans in progress.

Residence, Dumont, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, William B. Buchanan, West Mt. Airy avenue, Philadelphia. Frame, 2½ stories, 28x32 feet, shingle roof, oak floors, tile work (heating, plumbing and electric work reserved). Architect taking bids, due May 27th. The following are figuring: Stokes Bros., 6723 Musgrave street; F. B. Davis, 240 North Sixteenth street; Thomas C. Trafford, 1613 Sanson street; A. Whitehead, Inc., 1624 Latimer street; Kohl & Megargee, Germantown, all of Philadelphia, and M. E. Hauser, Glenside, Pa.

PENNSYLVANIA Contracts Awarded

Drug Store (alt. and add.), Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. S. Bashore, Lebanon, Pa. Brick, 3 stories, 30x180 feet, composition roof, electric lighting, metal lath. Contract awarded to J. H. Greiner, Lebanon, Pa.

Church and Sunday School, Harrisburg, Pa., \$60,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Christ Lutheran Church, care of J. L. Lehman, Harrisburg, Pa. Stone and brick, 1½ stories, 100x100 feet, slate and tin roofs, vapor heating, electric lighting, tile work, metal lath, waterproofing and dampproofing. Contract awarded to E. M. Wagner, Harrisburg, Pa.

School (add.), Mt. Penn, Pa., \$12,000. Architect, H. J. Maurer, Bar Building, Reading, Pa. Owners, Mt. Penn School District, C. H. Wicand, President, 612 Court street, Reading, Pa. Brick, 2½ stories, 68x45 feet, slate roof, metal lath, waterproofing and dampproofing. Contract awarded to Charles H. Schlegel, Mt. Penn, Pa.

Offices and Apartments (alt. and add.), Kutztown, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, Charles Herman, Kutztown, Pa. Consists of general alterations and addition, steam heating, electric lighting. Contract awarded to Beard Construction Co., Reading, Pa.

College Building (add.), Haverford, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Chase Hall, Haverford College, Haverford, Pa. Stone, 2½ stories, 36x45 feet, slate roof (heating and lighting reserved). Contract awarded to Mil-lard N. Croll, Radnor, Pa.

Residence, Wyndmoor, Pa. Architect, W. T. Godfrey, Wyndmoor, Pa. Owner, Wm. F. Hophan, 7932 Germantown avenue, Philadelphia. Hollow tile and plaster, 3 stories, 25x40 feet; wing, 12x20 feet, slate roof, electric lighting, hot water heating, oak floors. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

Church, Coatesville, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Olivet M. E. Church, Coatesville, Pa. Stone, 1 story, slate roof, steam heating, electric lighting. Contract awarded to W. K. Thorne, Coatesville, Pa.

Restaurant and Apartments, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut st.,

Philadelphia. Owner, George Shober, 305 Market street, Chester, Pa. Brick and plaster, 2½ stories, 4 stories, 27x100 feet, slag roof, steam heat, electric lighting, tile work. Contract awarded to George Hogg, 1634 Sanson street, Philadelphia.

Armory, Lebanon, Pa., \$26,000. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, State of Pennsylvania, care of Armory Board, Harrisburg, Pa. Brick, stone, fireproof, 2 stories, 62x120 feet, slag roof, electric lighting, steam heat, maple floors, metal lath, metal frames and sash, metal lockers. Contract awarded to F. Roe Searing, Perry Building, Philadelphia.

Dormitory (add.), Swarthmore, Pa. Architects, Bunting & Shrigley, 603 Chestnut st., Philadelphia. Owners, Swarthmore College, Swarthmore, Pa. Stone, 2½ stories, 39x140 feet, slate roof, electric lighting, steam heating. Contract awarded to William Provost, Jr., Chester, Pa.

Residence and Garage, Ogontz Hill, Pa., \$25,000. Architects, Koelle Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, Henry W. Breyer, Ninth and Cumberland streets, Philadelphia. Stone, 2½ stories, 38x94 feet, slag roof, electric lighting, hot water heating, oak floors; garage, stone, 1½ stories, 25x33 feet, tile work. Contract awarded to Koelle Speth Co., Twenty-sixth and Oxford streets, Philadelphia.

Greenhouse (alt. and add.), Cornwall, Pa. Architects, Bissell, Sinkler & Tilden, Bailey Building, Philadelphia. Owner, Miss I. C. Freeman, Cornwall, Pa. Consists of general alterations and additions. Contract awarded to Shunk Bros., Lebanon, Pa.

Bungalows (3), Doylestown, Pa. Architects, Frank Seeburger & Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owners, H. A. Prock & A. J. Clark, Glenside, Pa. Frame, 1½ stories, shingle roofs, hot water heating, electric lighting. Contract awarded to M. E. Hauser, Glenside, Pa.

For every "one" man you can mention who has succeeded without advertising we'll agree to name ten whose greater success has been due to advertising "direct." Moral Advertiser!

New Jersey Construction News

Rectory, Hackettstown, N. J. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, Church of the Assumption, Hackettstown, N. J. Frame and shingle, 2½ stories, 30x26 feet, shingle roof, steam heating, electric lighting, hardwood floors, tile work. Plans in progress.

Apartment House, Maryland avenue and Beach, Atlantic City, N. J., \$50,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, Samuel F. Nixon, 842 North Broad street, Philadelphia. Brick, 4 stories, slag roof, steam heating, electric lighting, hardwood floors, tile work, metal lath. Plans completed. Architect ready for bids.

High School, Wildwood, N. J., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, W. C. Todd, Secretary, Wildwood, N. J. Brick, concrete and steel, fireproof, 3 stories, composition roof, mechanical heating and ventilating system, metal lath, electric lighting, slate blackboards. Plans completed. Owners ready for bids.

Hospital (add.) and **Superintendent's House**, Blackwood, N. J. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owners, Camden County Board of Freeholders, Court House, Camden, N. J. Brick and plaster, 2 and 3 stories, 30x54 feet and 32x200 feet, asbestos shingle roof, oak floors, composition flooring, dampproofing, fire dors (heating, plumbing and electric work separate bids). Owners taking bids, due May 28th. The following are figuring: F. Roe Searing, Perry Building, Philadelphia; George Bachmann, 19 North Thirtieth street; William Wriiford, 525 Market street; J. M. Draper, 1445 Mt. Ephraim avenue; C. L. Stewart, Woodlynne; Frank Turner, 828 Broadway; Harry L. Foulkes, 506 Pine street, all of Camden, N. J.; R. K. Lippincott, Stratford, N. J.; William Conger & Son, Haddon Heights, N. J.; Aiken & Son, Merchantville, N. J.; W. A. Richman, Moorestown, N. J.

Alms-house (add.), Blackwood, N. J. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owners, Camden County Board of Freeholders, Court House, Camden, N. J. Brick, 2 stories, 35x50, tin roof, dampproofing, composition flooring (heating, plumbing and electric work separate bids). Owners taking bids, due June 2nd. The following are figuring: F. Roe Searing, Perry Building, Philadelphia; George Bachmann, 19 North Thirtieth street; William Wriiford, 525 Market street; J. W. Draper, 1445 Mt. Ephraim avenue; C. L. Stewart, Woodlynne; Frank Turner, 828 Broadway; Harry L. Foulkes, 506 Pine street, all of Camden, N. J.; R. K. Lippincott, Stratford, N. J.; William Conger & Son, Haddon Heights, N. J.; Aiken & Son, Merchantville, N. J.; W. A. Richman, Moorestown, N. J.

Schools (2), Collingswood, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of T. J. Bailey, 1116 Walnut street, Philadelphia. Brick and stone, fireproof, 2 stories, 56x100 feet, slate and composition roofs, safety trends, metal lath, slate blackboards. Lowest bid submitted by Wilbert R. Titus, Woodbury, N. J., \$62,762.

Residence, Wenonah, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner's name withheld. Brick, frame and plaster, 2½ stories, 30x50 feet, shingle roof. Plans in progress. Architects will take bids in two weeks.

Church (alt. and add.), Bridgeton, N. J., \$10,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owner's name withheld. Brick, stone trimmings, 1 story, 40x76 feet, slate roof, vapor heating, electric

lighting, composition flooring. Architects taking bids, due May 31st. The following are figuring: H. H. Hankins & Bro., George Maier & Bro., Grouseup & Sons and Paul Bateman, all of Bridgeton, N. J.

Garage, Camden, N. J., \$10,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owner I. S. Siris, 936 Broadway, Camden, N. J. Brick, 2 stories, 40x100 feet, slag roof, steam heating, electric lighting, cement floors, elevator. Plans in progress.

Residence 1207 Decatur street, Camden, N. J. Architect, private plans. Owner, Harry Green, 1338 Pear street, Camden, N. J. Brick, 2 stories, 16x30 feet, slag roof, hot air heating. Owner is sub-letting all contracts.

Store and Residence, Ventnor, N. J., \$7,500. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owners, Pacific Realty Co., Guarantee Trust Building, Atlantic City. Brick and stucco, 2 stories, 30x50 feet, slate roof, hot water heat, gas and electric lighting, tile work. Architects ready for bids.

Porches, Ancon, N. J. Architect, Thomas F. Stephen, Masonic Temple, Camden, N. J. Owners, Camden County Board of Freeholders, Fred Fries, chairman, Haddon Heights, N. J. Frame and glass, 70x14 feet, slag roof, copper wire screens. Plans in progress.

Office Building, 530-532 Market street, Camden, N. J., \$35,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner's name withheld. Brick and terra cotta, 4 stories, 36x180 feet, slag roof, steam heating, composition flooring, metal lath, electric lighting. Plans in progress. Architects will take bids in about three weeks.

Residences (6), Kaighn avenue, Camden, N. J. Architect, private plans. Owner, Harry W. Bealer & Co., Woodlynne, N. J. Brick, 2 stories, 16x54 feet and 18x54 feet, slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Residences (3), Fillmore street, Camden, N. J. Architect, private plans. Owners, Bulfinch & Black, 419 Broadway, Camden, N. J. Brick, 2 stories, 14x54 feet, slag roofs, hot air heating, gas lighting. Owners are sub-letting all contracts.

Factory (add.), Plainfield, N. J. Engineer, John G. Brown, Witherspoon Building, Philadelphia. Owners, International Motor Co., Plainfield, N. J. Brick, steel and concrete, 1 story, 116x120 feet and 30x60 feet, slag and asphalt roofs, wood block floors, electric lighting. Plans in progress. Engineer will take sub-bids in two weeks.

School (add.), Eldridge Park, N. J., \$8,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Board of Education, Eldridge Park, N. J. Brick, 1 story, 63x35 feet, slate roof, metal lath, concrete fireproofing (plumbing, heating and electric work separate bids). Owners taking bids, due June 7th.

Club House, Trenton, N. J., \$40,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Ancient Order of Arabic Nobles of the Mystic Shrine, Trenton, N. J. Brick and terra cotta, 2 stories, 90x120 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing. Architects ready for bids.

Church, Long Branch, N. J., \$9,000. Architect, W. P. Endeck, American Mechanics' Building, Trenton. Owners, Holy Trinity Church, Long Branch, N. J. Brick 1 story, 35x74 feet, slate and tin roof, heating undecided, electric lighting, metal lath. Plans about completed. Architect will take bids in a few days.

Residences (6), Trenton, N. J., \$18,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owner, Charles McDermott, Forst Richey Building, Trenton. Brick and shingles, 2* stories, 36x44 feet, slate roofs, steam heating, gas and electric lighting, tile work, hardwood floors. Architect taking sub-bids on all lines.

Twin Residence, Trenton, N. J., \$4,000.

Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Samuel Hilton, Forst Richey Building, Trenton. Hollow tile and stucco, 2½ stories, 15x47 feet each, slate roofs, hot air heating, gas lighting. Owner taking sub-bids.

Residence, Woodside, Trenton, N. J., \$4,500. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, Miss Catharine Schulte, Trenton, N. J. Brick, 2½ stories, 45x26 feet, slate roof, hot air heating, electric lighting. Architects taking bids.

Club House (add.), Trenton, N. J., \$3,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Trenton Yacht Club, Trenton, N. J. Frame, 2½ stories, 25x20 feet, slate roof, electric lighting, tile work. Architects ready for bids.

Residences (3), Trenton, N. J., \$9,000. Architect, private plans. Owners, Greenwood Realty Co., Forst Richey Building, Trenton. Brick and frame, 2½ stories, 25x30 feet each, slate roofs, hot air heating. Owners are sub-letting all contracts.

NEW JERSEY

Contracts Awarded

Photographic Studio, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Galvanized iron and steel, 1 story, 27x44 feet, slag roof, electric lighting, steam heating. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Residence (alts.), Moorestown, N. J. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Mrs. William B. Davis, Moorestown, N. J. Consists of extensive interior alterations, electric lighting, tile work, plumbing (hardwood floors reserved). Contract awarded to Stewart L. Maines, Moorestown, N. J.

Residences (4), Trenton, N. J., \$10,000. Architect, W. P. Endeck, American Mechanics' Building, Trenton. Owners, Morris Bros. Realty Co., 816 Broad street, Trenton. Brick, 2½ stories, 21x34 feet each, slate and slag roof, hot water heating, electric lighting. Contract awarded to W. J. Morris, Trenton, N. J.

Residences (3), Trenton, N. J., \$6,000. Architect, private plans. Owner, Margaret M. Martinet, Trenton, N. J. Brick and frame, 2½ stories, 16x30 feet each, slate and tin roofs, hot air heating, gas lighting. Contract awarded to J. H. Martinet, 901 Cartaret avenue, Trenton, N. J.

Residences (2), Trenton, N. J. Architect, private plans. Owner, William Darling, 23 Atterbury street, Trenton, N. J. Brick, 2½ stories, 15x30 feet each, slate and tin roof, hot air heating, gas lighting. Contract awarded to John Corrigan 618 Stuyvesant street, Trenton, N. J.

Residence, Woodbury, N. J. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, A. Browning Canfield, Woodbury, N. J. Stone and frame, 2½ stories, 20x45 feet; wing, 15x20 feet, shingle roof, electric lighting, hot air heating, oak floors. Contract awarded to Sherman H. Sharp, Cape May, N. J.

Garage, Twenty-sixth and Carman streets, Camden, N. J. Architect, private plans. Owner, August Jackel, Twenty-sixth and Federal streets, Camden, N. J. Brick, 1 story, 40x53 feet, slag roof, steam heating electric lighting, concrete floors. Contract awarded to Tomlinson & Goodfellow, 2620 Federal street, Camden, N. J.

Residences (2), 1932-34 South Seventh st., Camden, N. J. Architect, private plans. Owners, Edward Mathis & Frank Wagner, Camden, N. J. Brick, 2 stories, 16x12 feet, slag roof, hot air heating, gas lighting. Contract awarded to John Schulke, 1229 Jackson street, Camden, N. J.

Miscellaneous Construction News

Church, Washington, D. C., \$50,000. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Congress Heights Baptist Church, Washington, D. C. Brick, stone trimmings, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Nurses' Home, Detroit, Mich. Architect, Louis Kamper, Detroit, Mich. Owners, St. Mary's Hospital, Detroit, Mich. Brick, concrete and steel, fireproof, 5 stories, 40x110 feet, tile and composition roof, steel frames and doors, waterproofing and dampproofing, tile and marble work, wire cloth, steam heating, electric elevator, electric lighting. Architect has received bids.

Factory, Walnut street, Wilmington, Del., \$35,000. Architect, private plans. Owner's name withheld. Concrete and steel, 4½ stories, 60x100 feet, slag roof, steam heating, electric lighting, concrete or composition flooring, steel frames and sash, elevators. Builders, J. A. Bader Co., du Pont Building, Wilmington, taking sub-bids.

Church (alt. and add.), Wilmington, Del., \$10,000. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owners, Mt. Salem Church, Rev. W. J. Van Dyke, Wilmington, Del. Brick, limestone trimmings, 1½ stories, 50x75 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in one week.

Residence, Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner's name withheld. Stone and

stucco, 3 stories, 54x40 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors, tile work, metal lath. Plans in progress.

Garage, Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner's name withheld. Brick and stucco, 2 stories, 20x30 feet, slate roof, electric lighting, cement floors, gasoline storage system. Plans in progress.

Bank Building (alt. and add.), near Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner's name withheld. Brick, 1 story, 20x60 feet, details undecided. Plans in progress.

School, Chillicothe, Ohio. Architects, Ritter & Bates, opTsmouth, Ohio. Owners, Board of Education, Chillicothe, Ohio. Brick and terra cotta, 2 stories, 85x146 feet, composition roof, steam heating, electric lighting, waterproofing, metal doors and trimmings, slate blackboards, composition flooring, metal lath, glazed bricks. Owners taking bids. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Residences (2), Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner, Frank Forrest, Wilmington, Del. Brick, 2½ stories, 24x30 feet each, slate roof, hot water heating, electric lighting, hardwood floors, metal lath. Architect taking bids. The following are figuring: Harry Reed, W. Howard May, Samuel Newman and George S. Charles, all of Wilmington, Del.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., MAY 26, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Frederick A. Muhlenberg
Treasurer Walter Mellor
Directors—Clarence G. Zantzinger, John Molitor,
John Graham, Jr., Frederick A. Muhlenberg.

Editorial Comment

There has been quite enough said, we fancy, on the subject of the fire-resistive value of concrete, and certainly more than enough on the subject of the behavior of this material under test at the Edison works fire. Our excuse for referring to the matter at all is to indulge in a passing comment on the report of the committee of experts appointed by the American Concrete Institute. This committee, of which Cass Gilbert, the distinguished New York architect, who designed the Woolworth Building, was chairman, made a thorough investigation of the fire at the Edison plant and furnished a report, from which we quote the following paragraphs:

"The fire fully demonstrated the advantages of monolithic structures. The fact that at five different places several of the wall columns were rendered useless and yet the upper portions of the building stood intact, is evidence of the superior merits of concrete in monolithic construction.

"Considering the extraordinary conditions surrounding this fire, the behavior of the concrete buildings was highly satisfactory and constitutes an excellent demonstration of the merits of concrete as a fire resisting building material. It is not so surprising that the concrete buildings were damaged as that any material should have so satisfactorily withstood these unusual conditions.

"The end walls in the three upper floors of two buildings extended above the roofs of the adjoining buildings, which were completely destroyed; while this was in the hottest part of the fire, the walls were practically undamaged and are an admirable demonstration of the value of concrete walls as a fire barrier.

"The fused metal found in different parts of reinforced concrete buildings would seem to indicate that the fire reached an intensity of 1000 degrees F. in all these buildings, and in many cases as high as 2000 degrees F.

"In the greatest portion of these buildings the concrete remained firm and hard and intact after this severe heat treatment."

This report is not without interest as showing the views of admitted experts on a subject of considerable trade importance. It is worthy of note, to our way of thinking, that Thomas A. Edison has said a great deal more and has taken a great deal less of space in which to say it in a letter written by him dealing with the same subject. Writes Mr. Edison:

"The report of our engineers shows that 87 per cent. of the reinforced concrete buildings, which were subjected to a very intense heat, are in good condition, and of the machinery which they contain about 85 per cent. can be used, with small repairs. Buildings of other materials, together with contents, were entirely destroyed."

But then an expert is, we suppose, expected to expatiate more or less even if, as in this

particular instance, he does fail to say as much.

* * *

Mr. Carl F. Gould, a Seattle architect, had an article in the "Pacific Builder and Engineer," not long ago, that contained about as accurate a statement of the obligation of the architect to his client as we can recall having seen anywhere within recent years.

"It is not understood by the public that architecture must necessarily be a profession just as law and medicine must be a profession," writes Mr. Gould. "In order to get the product of the master mind the architect must produce his work under conditions which will allow him to be free to give his mind disinterested attention. The creative mind and the commercial spirit can never be coincident.

"If the public does admit that the architect had a function it is usually considered that he is a cross between a real estate agent and a contractor.

"This confusion may arise from the fact that often real estate companies furnish plans for buildings and often contractors furnish plans for buildings. It is rarely believed that the architect can serve the public in an economical way. It is usually considered that an architect's services are a luxury and only necessary to add certain superficial character to the exterior of a building, just as a culinary artist would add frosting to a wedding cake.

"Without doubt the architects, or those practicing under the name of architects, are partially responsible for these erroneous views. The architect as a rule has been a very modest and quiet individual, preferring to do his work without appearing in public view. His work is necessarily of a studious character, which ill equips him for exploitation.

"It is, however, both unfair to the public and to the architect that a clearer conception of the architect's function is not generally understood. The object of the architect is first and last to give to the public more economical, better designed and better constructed habitations, and it is only by the architect working in his professional capacity with a complete understanding by the public of his function that this result can be brought about.

"An individual, when he desires to construct a building, whether it be a bungalow or a great commercial project, should ask, 'What is the method of procedure in order to get my idea into its executed or material form?'

"The customary way for such an individual is, unfortunately, to get advice from real estate agents and contractors, and it is only as a last resort that he comes to the architect. It is often at a time when the individual's ideas have become wrongly crystallized.

"A prospective builder would find his troubles infinitely simplified if he would take the architect into his confidence at an early stage in his contemplated operations. Often he could advise him as to advantages of several alternate pieces of property which he might have in contemplation on which to erect a structure. The architect's ideas of exposure and outlook, the advantages of certain lots for commercial purposes, etc., are matters on which he should be equipped to give valuable information and advice. Often the determination of the direction from which the rays of light comes, or of the exposure, make for commercial success or non-success.

"The real estate agent, of course, must be consulted, but the architect's ideas would invariably be advantageous at this preliminary period of the prospective builder's enterprise, and such consultation is always included within his legitimate fee for services.

"When the owner has selected his location it is well for him to have a very frank talk with the architect, furnishing him all his ideas and conceptions of what the building should be, stating the requirements as to arrangement in plan and the purposes of the building, the character the building should have, etc.

"The architect is better equipped than either a real estate agent or a contractor to then state to the owner the probable cost. After plans and specifications are completed and contractors' bids are handed in the variations are often between 10 and 15 per cent., so that at such a preliminary stage it could not be expected that the architect could approximate the cost closer than 15 to 20 per cent. The architect keeps records of costs of similar types of buildings, and by the process of obtaining cubical contents of the proposed building is able to give an approximate cost, and he is the only one at this stage in the proceedings who could do so.

"We will consider now that the owner has had his preliminary conference and has given all his information into the hands of the architect and is satisfied that the building serving his purpose can be constructed with reasonable allowance for variations within the amount available for building.

"The architect then proceeds to make what are known as preliminary sketches. Usually these sketches are made at a scale of one-eighth inch equals one foot, including typical floor plans and an elevation.

"Very often in studying the problem the architect finds several solutions, one being advantageous from one point of view and another from another point of view. He, therefore, calls in the owner to discuss the relative advantages from the owner's point of view.

"This process of adjustment at the preliminary stage may require a period of some time, but it saves time ultimately and conclusions can be arrived at, generally speaking, at this preliminary stage.

"The preliminary studies are merely to locate the principal requirements, whether the building is to be entered through a vestibule or directly into the working space, whether

the building is to occupy the entire lot or merely portions thereof, whether the east or west sun is advantageous for certain rooms, whether bed rooms or offices; whether the general appearance should be restrained, symmetrical or picturesque, etc., etc.

"After having taken the architect into consultation as to the location, and having consulted with him as to the general arrangement, we pass to what is known as the working drawings, which are usually made at twice the scale of the preliminary sketches. These working drawings involve an accurate layout in plan of all the floors, of all the elevations, both exterior and interior, likewise typical sections, showing methods of construction, and are so complete that a contractor will know exactly what the building is to be constructed of and how.

"Incomplete drawings oblige the contractor to make guesses, which guesses are frequently costly to the owner. These working drawings are accompanied by a complete set of specifications taking up in the form of a description what it is impossible to express on the drawings and stating how the contractor shall do certain portions of the work, how he shall co-operate with other contractors and in general a complete thesis of the building to be constructed.

"By having complete drawings and specifications the contractor is not only able to give a closer estimate, but when the work proceeds he can plan ahead, knowing what the materials consist of, and the work is carried out with greater expedition and consequent economy.

"It must be clearly understood that the contractor does not furnish drawings as is often the case where an architect is not employed. The argument is often used by some types of contractors that they will save the owner the expense of drawings. By so doing the contractor becomes the only competitor and is the only judge of the quality of his work and the material furnished. This method of building, however, is unfortunately only too prevalent, and results in structures that are badly arranged in plan, frequently space wasted, badly designed as to exterior and only too often constructed of the most flimsy material.

"With accurate, complete drawings and specifications the contractor is kept to a fixed standard and the owner is apt to get accurate competitive bids.

"The architect should be co-operating with the owner from the very conception of the building to its final completion, including the final payments to the contractors. The contractor is thus freer to carry on his functions of constructing the building.

"It follows then that after the contractor has begun work that the architect should be in charge to see that the plans and specifications are conformed to, and it is upon his shoulders that rests all the problems that may arise as the building is in progress. It is he who has made a study of the building, knowing what the final result should be, and it is he alone that can pass on questions that may

arise and often do arise as the building is in progress.

"It may be understood also that the architect furnishes full-size details of every molding and ornamental detail that goes into the building. They are a part of its design just as much as the arrangement in plan, and these drawings are furnished from time to time as the contractor requires them, and are not and should not be furnished by the planing mills or metal workers, etc.

"It is the architect who draws up the contract between the contractor and owner, and it is through the architect on his certificates that payments are made. He becomes the arbiter in questions in dispute.

"It is only by thus following the steps in their logical, natural sequence, that an owner can obtain the best results with the minimum fuss and worry and economy.

"The prospective builder must more and more recognize wherein the architect can be of service, because it is only through the co-operation of the owner, contractor and architect that the most economical, the most advantageous results are obtained."

* * *

Nothing remarkable about this article, no; but has it ever occurred to you, Mr. Architect, what a highly desirable thing it would be for the profession if some such plain, clear, matter-of-fact statement of the value of the architect's services could be placed in the hands of a considerable number of laymen? It is amazing how many laymen, of normal intelligence, are of the opinion that an architect is, as Mr. Gould so aptly puts it, the chap "who puts the frosting on the cake."

* * *

Some years ago "The Guide" gave space to a brilliant paper by Mr. Irving K. Pond, with the result that nearly every architectural publication in the country was moved to reproduce and comment on it. Mr. Pond read, at the meeting of the American Concrete Institute, a paper on "Concrete: A Medium of Aesthetic Expression," that is, in its way,

FOSTER SYSTEM

**MAXIMUM
EFFICIENCY**
**AT
MINIMUM
COST**

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA
PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



quite as notable as the other paper referred to. We have not the space to print this latest paper in its entirety, much as we should like to, but beg, nevertheless, to direct attention to the appended quotations:

"It may well be conceived that a moulded architecture, so to speak, an architecture of flowing and harmoniously interrelated masses," writes Mr. Pond, "may not appeal immediately to the architect who has been taught that his art consists in naively piling up child's building blocks on a large scale. Whatever may be urged against the deadly dulling practice of following the line of least resistance in architecture, certain it is that a material in which it is easier, as well as more logical, to fashion new and appropriate forms than to follow out and dried conventions can not be regarded as other than a vivifying factor in a possible architectural development, and its advent hailed with delight. When architects relieve themselves of the notion that monumental architecture, for example, consists solely in a row of classical columns superimposed upon a basement, it will be a wholesome day for the art they profess to practice. Probably ignorance, inability and self-distrust in the architectural ranks will remove to some more or less remote future the development of a monumental architecture expressing itself in new forms fashioned in new materials. Yet it is possible that, in this, as in other ages, commercialism, itself so devoid of aesthetic tendencies, will pave the way to the realization of an aesthetic ideal. A material which holds in itself the qualifications for commercial use will in that very use reveal its aesthetic possibilities. No material which puts into the hand of the architect power to produce permanent mass and form, and add the enrichment of light and shade,

color and texture, will long be ignored when science has made its use commercially possible. It would, then, seemingly remain only for science to demonstrate the practical value of reinforced concrete, in respect to its physical properties, and art must unfold whatever it holds of beauty.

"The steel skeleton developed from commercial necessity, and to clothe and protect that skeleton, the architect, naturally, used whatever means lay at his command; stone, brick, terra-cotta, and metal were called into requisition. To clothe the skeleton in one or another or all of these materials became a fixed habit with the architect. So that when concrete came into use, not only was it ignored as a possible clothing for steel, but when the skeleton of reinforced concrete was set up it was itself clothed after the existing fashion for steel. Such is the fatal force of habit! Granting to concrete the qualities ascribed to it, that it is fireproof, that it may be rendered moisture-proof, that once in place it is not affected by atmospheric and climatic conditions, that it can be permanently colored, can be moulded and chiselled, that it can be formed in place and need not be applied piecemeal—what better material could be sought for clothing the steel skeleton—and why the need of any cloak at all to such material when it has been treated with any manner of decency or respect by the designer? So aesthetically there would seem to be unlimited possibilities in reinforced concrete.

"It is not inconceivable that ornamental terra cotta and tile, beautiful in color and texture, and also sculptured stone will be called upon to embellish and distinguish, though not in any manner to clothe or conceal, the concrete structure. The presence of these materials may be needed as a saving grace in these early days of design in concrete, to save the designers from a too brutal conception of the forms they deem the material must necessarily take. This is an unfortunate, though marked tendency now, in what should be a refined and restrained domestic architecture, to shape concrete, and its lath and plaster imitations, into the crude, though characteristic, forms of the old mission work. It is needless to say that these forms have no meaning outside of their original environment and would not have existed there but for the exigencies of the case—the crude nature of the materials procurable and the absence of all skilled labor.

"But to-day, with art and science co-operating, it would seem as though architecture were on the verge of an awakening. Commercial architecture with us is beginning to feel the thrill. Abroad monumental architecture as well is showing signs of a renewed joy in life, and structural concrete, both of itself and embellished with richer materials, furnishes the new and seemingly adequate medium of architectural expression.

"Much of this was written, as I said in opening, some years ago. Looking back over these years it does not seem that there has been an advance in the aesthetic field as op-

portunity seems to have offered, or as might have been expected. But we cannot lay this backwardness altogether to the manipulator of concrete nor to the architect. Economics may be a factor, but it could not be a controlling one in a community which had the desire and will to advance in the art of self-expression which the art of architecture preeminently is. I know the time is not ripe for a finished and full expression for the community or the national life is not unified and complete; but there are qualities under the surface—refined and human qualities—which might at least find an echo in our concrete structures. Perhaps the echo is being heard, faintly at least. I sometimes think so, but with you all I desire the day to hasten, not only when architecture in concrete or otherwise shall express us, but when we shall have better selves which will demand and receive an interpretation in architecture."

* * *

There is a message, here, worth while, for the young architect who has the talent and the tact to receive it, don't you think?

Maryland Construction News

Factory, Hagerstown, Md., \$50,000. Architects, Peuckert & Wunder, 310 Chestnut st., Philadelphia. Owners, Pangborn Corporation, Hagerstown, Md. Brick, concrete, steel and terra cotta, fireproof, 1 and 2 stories, 100x190 feet, slag roof, steam heating, electric lighting, metal frames and sash. Plans about completed. Architects will take bids in about one week.

School Building, Millington, Md., \$15,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Board of Education, care of John P. Ahern, Millington, Md. Brick, 2½ stories, 50x160 feet, slate roof, heating not decided, slate blackboards. Plans in progress.

Store and Hotel (alts.), Franklin and Howard streets, Baltimore. Architects, Smith & May, Calvert Building, Baltimore. Agent, B. Howard Richards, Equitable Building, Baltimore. Brick, partly fireproof, consists of general remodeling. Plans about completed. Architects will take bids in a few days.

Store and Residence, 1129 East Baltimore street, Baltimore, \$4,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Israel Levine, care of architects. Brick, 3 stories, 25x39 feet, tin roof, steam heating. Plans about completed.

Store and Office Building (alt. and add.), 518 North Charles street, Baltimore, \$15,000. Architect, Theodore Wells Pietsch, American Building, Baltimore. Owner, J. Marshall Thomas, Baltimore. Brick and marble front, 4 stories, 30x155 feet, steam heating, plumbing, electric lighting. Plans in progress. Architect will take bids in two weeks.

Residence, Chevy Chase, Md., \$15,000. Architect, John M. Donn, 1516 H street, N. W., Washington, D. C. Owner, William L. Hillier, care of architect. Brick, 2½ stories, 32x75 feet, slate roof, hot water heating, electric lighting, tile work. Plans about completed. Architect will take bids in a few days.

Residences (6), Hohenoff place, Baltimore, Md., \$12,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owners, Reliance Realty Co., Falls road and Merryman avenue. Brick, 2 stories, 16x45 feet each, tin roofs, hot air heating. Owners are taking sub-bids.

Residences (27), Reisterstown avenue, Baltimore, \$80,000. Architect, private plans. Owner, John J. Carlin, 215 St. Paul street.

Baltimore. Brick, 2 stories, 21x37 feet each, slate roof, hot air heating, hardwood floors. Owner is sub-letting all contracts.

P. Save (C), 718 Snyder avenue. Cost, \$1,350. 510 Lincoln Building.

Sam P. Town (O), 2332 North Twenty-second street. Harold T. Smith (C), 3133 North Bambray street. Cost, \$500. Store and dwelling, 2332 North Twenty-second street.

Perry M. Johnson (O), 1529 Girard avenue. James eCann (C), 1704 Poplar street. Cost, \$500. Residence, 1529 Girard avenue.

O'Brien Bros., Chew and Woodlawn streets. Cost, \$500. Store and residence, Chew and Woodlawn streets.

South End I. O. of F. Hall Association (O), Broad and Federal streets. William Morrow (C), 320 Harmony street. Cost, \$1,100. Broad and Federal streets.

Fred W. Storch (O), 1712 Wolf street. Israel Levy (C), 1404 South Sixth street. Cost, \$800. Residence, 1712 Wolf street.

Pennsylvania Salt Manufacturing Co. (O), Greenwich Point. Cost, \$2,700. Store room, Greenwich Point, Philadelphia.

P. Silverman (O), 312 Carpenter street. Cost, \$600. Residence, 312 Carpenter street.

Ida Limburner (O), 6214 Morton street. Moore & Graham (C), 6224 Wissahickon avenue. Cost, \$11,000. Tenement, brick, 3 stories, 38x53 feet, Morton and Maryland sts., southwest corner of Morton and Maryland avenues.

Torresdale Golf Club (O), Torresdale, Pa. Nathaniel Freas (C), Aandalusia, Pa. Cost, \$1,500. Club house, Torresdale, Pa.

Mrs. J. H. Elliott (O), 5148 Hazel avenue. Valentine Meck (C), 518 South Twenty-second street. Cost, \$500. Store and dwelling, 5148 Hazel avenue.

A. M. Tranev (O), Twelfth and Jackson streets. M. Cipollo (C), 833 Greenwick street. Cost, \$900. Residence, Twelfth and Jackson streets.

P. J. Pennay (O), 159 West Springfield avenue. I. A. Dunkelberger (C), 71 East Herman street. Cost, \$600. Residence, 159 West Springfield avenue.

James Doyle (O), Cedar and Clearfield rts. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$600. Shop, Cedar and Clearfield streets.

P. & R. R. K. Co. (O), Reading Terminal. Cost, \$2,850. Coal trestle.

Clarence Waples (O), 2136 Mt. Vernon st. Thomas P. McEreen (C), 2149 North Twenty-eighth street. Cost, \$600. Dwelling, 2136 Mt. Vernon street.

MEDIAEVAL STAINED GLASS.

Commenting on the destruction of considerable of the mediaeval stained glass in French cathedral cities that have been bombarded during the progress of the war, a writer in the Boston "Transcript" describes the essentials that make this glass so valuable and give it that artistic quality that is its chief claim. He writes:

"The beauty and charm of mediaeval glass lies to a great extent in the character of the material itself, and especially in the inequality of it. Chemically impure, and mechanically imperfect, it was seldom crude in tint or texture. It shaded off from light to dark, according to its thickness; it was speckled with air bubbles; it was streaked and clouded, and all these imperfections of manufacture went to perfection of color. And age has improved it. The lack of uniformity in the material has led to disintegration of its surface. Soft particles in it have been dissolved by the action of the gases in the atmosphere, and the surface, pitted like an oyster shell, refracts the light in a way which adds greatly to the effect. So that an appreciable part

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

David Cramm (O), 6600 Woodland avenue. Cost, \$3,000. Dwelling, brick, 2 stories. Cost, \$14,000. Five dwellings. Cost, \$23,200. Eight dwellings. Cost, \$42,000. Fifteen dwellings. Cost, \$21,000. Seven dwellings. Cost, \$56,000. Twenty dwellings, Fifty-sixth and Whitby avenue.

Mrs. Emma Reese (O), 2002 Tioga street. George Hogg (C), 1634 Sansom street. Cost, \$15,000. Brick, 2 stories, 1911 Tioga street.

Fred Barthold (O), Roxborough. Cellos Bros. (C), 480 Harmon road. Cost, \$2,600. Residence, brick, 2 stories, 16x44 feet, Ridge avenue and Fairthorne avenue.

William Rawbottom (O), 1224 Lyncoming avenue. J. F. McCookell (C), 2104 North Fifth street. Cost, \$1,200. Shop, brick, 2 stories, 15x44 feet, 1838 East Huntingdon street.

The Mission of St. Vincent de Paul (O), Germantown. Joseph Bird Co. (C), 213 North Eleventh street. Cost, \$40,000. Residence, brick, 3 stories, Price and Sprague streets.

H. E. Cassell (O), 2531 North Carlisle street. Cost, \$8,200. Residence, brick, 3 stories, Sixty-fifth avenue and Park avenue.

Charles L. Vetter (O), 1924 Green street. C. I. Duncan (C), 2039 North College avenue. Cost, \$9,000. Two residences, brick, 2 stories, Fifty-fourth and Walnut streets.

E. Stahl (O), 4918 North Fourth street. Charles Mahnke (C), 6777 Musgrave street. Cost, \$4,000. Residence, brick, 2 stories, Loudon and Third streets.

R. D. M. Wagner (O), West Nippon street, Mt. Airy, Pa. A. S. Tourison (C), 7014 Boyer street. Cost, \$8,000. Residence, brick, 27x46 feet, Clearview and Ledginal streets.

William Golliner (C), Fifty-first and Chancellor streets. R. Werner (C), 5133 Market street. Cost, \$2,500. Garage, brick, 38x80 feet, Fifty-first and Chancellor streets.

Charles J. Clark (O), 743 Arch street. Cost, \$30,000. Building, brick, 85x180 feet, Washington avenue and Delaware avenue.

Barnet Rubin (O), 3121 Frankford avenue. Cost, \$45,700. Twenty-six residences, brick, 14x43 feet, Berksline and Torresdale avenues.

Phil Danei (O), 271 East Sharpnack street. Cost, \$3,600. Two dwellings, brick, 2 stories, 14x32 feet, Goad street and Germantown avenue.

Adam Freyling (O), Kranes avenue and Baker street. J. J. Hurley (C), 4416 Cresson street. Cost, \$3,300. Brick, 2 stories, 15x22 feet, Baker street and Mallory street.

Charles M. Green (O), 5458 North Fifth street. Cost, \$20,000. Five residences, brick, 2 stories, 16x27 feet, Fifth and Dunconnon streets.

George R. Schenck (O), A and Tioga sts. H. A. Hobert (C), 2620 East Cumberland st. Cost, \$800. Repair shop, A and Tioga streets.

Philadelphia Cricket Club (O), Willow Grove avenue. Stokes Bros. (C), 6223 Musgrave street. Cost, \$1,200. Grand stand, Willow Grove avenue.

Philadelphia Storage Battery (O), C and Ontario streets. Stewart Bros. (C), 2526 North Orkney street. Cost, \$2,700. Locker rooms, C and Ontario streets.

James F. Garraty (O), 4089 Lancaster avenue. James M. Holm (C), 5556 Arch street. Cost, \$750. Stable, 4089 Lancaster avenue.

Mrs. B. F. Dewees (O), 413 Church lane, Germantown. J. Myers & Sons Co. (C), Witherspoon Building. Cost, \$4,000. Garage, 413 Church lane.

A. Ruff (O), southwest corner Seventeenth and Allegheny avenue. P. Haibach Cont. Co., 2530 West Thompson street. Cost, \$700. Saloon and dwelling, Seventeenth and Allegheny avenue.

Mary J. Gamble (O), 6026 Lombard street. Frank A. Gamble (C), 6026 Lombard street. Cost, \$650. Storage and workshop, 6026 Lombard street.

William T. Scott (O), Wayne avenue and School lane. W. J. Grahler (C), 219 East High street. Cost, \$500. Dwelling, Wayne avenue and School lane.

Felix Spontia (O), 4004 Baltimore avenue. Samuel Konsor (C), 1952 North Stanley street. Cost, \$1,5500. Dwelling, 4004 Baltimore avenue.

Zeidre Feinbrey (O), 510 Lincoln Building.

Alterations and Additions

George F. Wahy (O), 4809 Warrington avenue. Fred Labin & Co., Inc. (C), 237 Broad street. Cost, \$650. Dwelling, 4809 Warrington avenue.

Joseph Francis (O), 705 Walnut street. Fred Labin & Co. (C), 237 Broad street. Cost, \$800. Dwelling, 705 Walnut street.

S. A. Ashman Sons & Co. (O), 2300 Trego street. L. Douglass (C), 128 South Second street. Cost, \$500. Shop, 2309 Trego street.

P. & R. R. Co. (O), Reading Terminal. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$800. Offices, Reading Terminal.

Dr. William Scull (O), 3024 Richmond st. R. Pinkerton (C), 2441 Mascher street. Cost, \$500. Garage, 3024 Richmond street.

Joseph McKinley (O), 3333 North Fifth street. Cost, \$500. Shed, 3333 North Fifth street.

Joseph McKinley (O), 3333 North Fifth street. Cost, \$1,300. Stable, 3333 North Fifth street.

St. Vincent's Orphan Asylum (O), Tacony. P. Weber (C), 1326 North Fourth street. Cost, \$2,900. Asylum, Tacony, Philadelphia.

James B. Kinley (O), Real Estate Trust Building. Brownworth & Co. (C), 1611 Sansom street. Cost, \$400. Apartment, Real Estate Trust Building.

A. Kutoghbach (O), 1049 North Third st. Joseph Reis (C), 1331 North Front street. Cost, \$650. Dwelling, 1049 North Third street.

Ritter Chair Manufacturing Co. (O), 2519 Germantown avenue. George P. Einwechter (C), 241 South Fifty-eighth street. Cost, \$500. Factory, 2519 Germantown avenue.

of the beauty of old glass is the fortuitous result of its age. This is one reason why no modern glass can be compared with it. It does not require a very expert eye to distinguish at a glance between the modern glass in a cathedral and the ancient, and the superiority of the older work stands out in almost every case with unmistakable emphasis.

"To what extent it is possible to reconstruct or restore broken stained glass windows evidently depends upon a number of circumstances. In several of the English cathedrals there are windows which have been reconstructed after a fashion, without regard to the original patterns; this is true of the so-called Golden Window in the east end of the Lady Chapel of Wells, which is gloriously fine in color; but is simply a kaleidoscopic patchwork of bits of the fourteenth century glass put together without any definite design. It is therefore under certain conditions possible to preserve, in a quite remarkable manner, the color effect of the ancient glass, even when it has suffered apparently irremediable damage.

"We may therefore indulge the hope that when at the close of the present war, a careful survey has been made of the mediæval glass of the Cathedral of Rheims, its restoration may be attempted with a certain measure of success. Unfortunately, the skill of the modern craftsman cannot successfully imitate the rare quality of the glass destroyed, a quality that only comes with age."

NEW SPECIFICATIONS FOR BRICK HIGHWAYS.

The National Paving Brick Manufacturers' Association has issued specifications and directions for laying brick street and highway pavements, which have been revised from previous editions under the direction of the Board of Directors of the association; there having been added to the street paving specifications a set applicable especially to country highways. The specifications and instructions are made still more clear by the photographs and diagrams which accompany them. No explanations of the reasons for the various details of construction recommended nor advocacy of brick pavements is contained in this pamphlet, but an announcement is made that a handbook is being prepared to supplement the specifications, which will contain matter of this kind. These specifications will be sent on application, without cost, to officials, engineers and contractors.

The specifications for street pavements include grading, drainage, curbing, concrete foundation, cushion, expansion joints, the brick itself, brick laying, rolling and applying filler. Alternate specifications are given for stone and concrete curbing; an edging to the concrete in place of curbing; crushed stone foundation, old gravel or macadam foundation, or No. 2 paving brick foundation in place of concrete, or brick laid on natural earth without any artificial foundation. Also for sand filler in place of cement. No provision

or mention is made of a bituminous filler of any kind.

Specifications for highway construction include the same items, except curbing, concrete edging being substituted therefor.

No effort is made to specify dimensions, such as thickness of concrete foundation or the proportion of the ingredients entering into it, dimensions of curbing, etc.

TRADE NEWS AND GOSSIP.

**At a meeting of the Yale & Towne, Manufacturing Company held at Stamford, Conn., Henry R. Towne, having declined re-election as president after forty-six years of service in that position, was elected chairman of the Board and Walter C. Allen, previously a vice-president and general manager, who has been with the company 23 years, was elected president of the company. The executive organization of the company is now constituted as follows: Chairman of the Board, H. R. Towne; president and general manager, Walter C. Allen; vice-president, Schuyler Merritt, who has been with the company 38 years; secretary, J. H. Towne, who has been with the company 24 years; treasurer, John B. Milliken, who has served the company for five years. The superintendent of the works is Joseph A. Horne, who has been with the company 24 years.

**The National Electric Light Association will hold its annual convention in San Francisco, Cal., June 7-11. T. C. Martin, 29 West Thirty-ninth street, New York City, secretary.

**The National Association of Master Steam and Hot Water Fitters will hold its twenty-seventh annual convention in Milwaukee, Wis., June 21-25.

**The Berger Manufacturing Company, Canton, Ohio, has re-elected as directors Edward A. Langenbach, Charles Kreig, H. R. Jones, Albert Hochwalt and R. H. Yancey.

**The Automatic Sash Holder Manufacturing Company, 50 Church street, New York City, is distributing illustrated leaflets calling attention to the automatic sash holder which it has placed upon the market. The holder is provided with a roller which freely revolves with the uplifting of the sash, and at the release the ratchet falls into the top, thereby holding the roller rigid and with the spring pressure against the frame secures the sash at any point desired. The springs are of specially tempered piano wire and all other metal parts are selected, tested and approved.

**George O. Stedman, architect, formerly of Philadelphia, Pa., has opened an office at 16 Willett Block, Rome, N. Y.

**Sherwin-Williams Co., paints and varnishes, 116 West Thirty-second street, opened a branch store in Albany, N. Y., May 1.

METHODS OF ESTIMATING.

A building contractor in discussing methods which make for profit or loss in estimating says that before any contractor can estimate intelligently he must first know the exact cost of his goods. Right here is the weakness

in a good many offices. Cost prices are frequently made up from lists prepared a few years ago, before wages and cost of materials went skyward. Or, often, contractors carelessly add to a former cost list the approximate percentage of increase; a computation that is frequently in error and set altogether too low.

Contractors themselves do not agree upon the best way to go at the estimating proposition. Many contractors, and successful ones, too, instead of figuring the net cost of work and then adding percentage of profit, simply figure every item, gross (cost plus profit); the total of all items added forming the sum of the complete bid.

Other contractors maintain that the only correct way is to take the net cost of each item, add these together and then add the percentage of profit. There are advantages to each system, and no doubt exponents of each system will continue to do it their own particular way.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 12, 1915.—Sealed Proposals will be received at this office until 3 P. M. July 13, 1915, and then opened, for the construction of the Building, Interior Department Offices, at Washington, D. C., in accordance with drawings and specifications, copies of which may be had at this office, at the discretion of the Supervising Architect. Applications must be accompanied by a certified check for \$250.00 for each set, made payable to the order of the Treasurer of the United States, the proceeds of which will be held until the return of the drawings and specifications in good condition to this office. The building is approximately 680,000 square feet, occupying a site approximately 400 by 400 feet, seven stories and basement, having face brick and limestone facing. Drawings and specifications will be ready June 1, 1915. Contractors may estimate upon (1) the construction, including the mechanical equipment (except elevators); (2) the construction except the mechanical equipment and elevators; (3) the mechanical equipment only (except elevators) or (4) the elevators. James A. Wetmore, Acting Supervising Architect.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 22, 1915.—Sealed proposals will be opened in this office at 3 P. M., June 24, 1915, for the construction complete (including mechanical equipment, lighting fixtures and approaches) of the United States post office at Mt. Vernon, N. Y. Drawings and specifications may be obtained from the custodian of site at Mt. Vernon, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Aolph Christensen, 1433 Brown st.

Brick Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Contractors' Equipment

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
Benjamin Foster Co.,
22nd and Sedgley ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. P. Shellenberger, Builders' Exchange.

Roofing Tile.

C. P. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Star Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Benjamin Foster Co.,
22nd and Sedgley ave., Phila.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

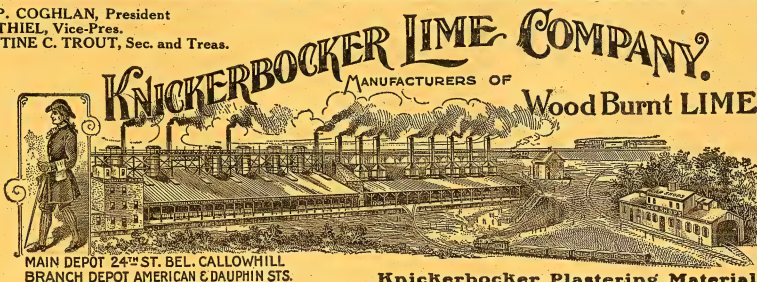
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY
112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 22.

PHILADELPHIA, WEDNESDAY, JUNE 2, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

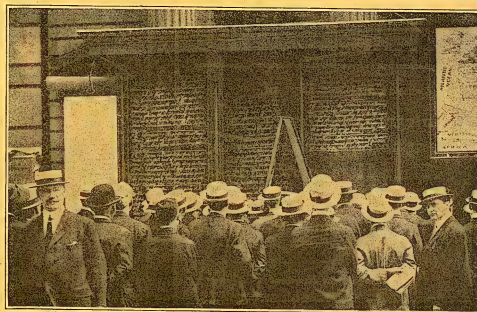
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

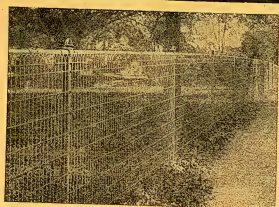
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens **ANCHOR POST FENCES**

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking
Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



PHILADELPHIA FIRE RETARDANT CO.
1614 CHERRY STREET
PHILADELPHIA, PA.

Rolled Steel Sash and Doors, Steel
Stairs, Saino Fire Doors and
Shutters, Steel Rolling Doors,
Kalamein Doors, Metal Windows

WATERPROOFING

A Complete Line of
Integral and Membrane
Waterproofings, Dampproofings
Floor Hardeners and
Technical Paints

MAY WE SOLVE YOUR PROBLEM?

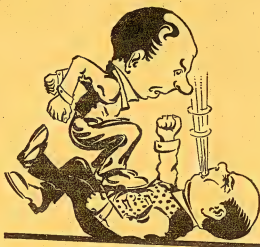
Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING
MATERIALS



**"Get the Jump on
Your Competitors"**

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta**

**Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO. Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Do Not Forget

when in the market for

WIRE PRODUCTS

THAT WE MAKE EVERYTHING IN WIRE:

Wire Cloth all grades,
Wire Window Guards,
Wire Partitions and Enclosures,
Wire Lath for Plastering Purposes,
Radiator Guards,
Gravel, Sand and Coal Screens,
Sieves and Riddles,
Special Forms.

Strawbridge & Chase Co., Inc.

AUDUBON, N. J.

ROBERT T. KORR, Pres.
HENRY H. COLLINS, Vice-Pres. } At Your
WM. H. EGEE, Sec. & Treas. } Service

Keystone, Main 3597. Bell, Haddon Heights 573.



You choose wisely when
you select "F-S" Products.

You make no mistakes in specifying
our "Pioneer" Paste Wood Filler and
Stain combined for open-grained woods,
and our "Model" Liquid Wood Filler for
close-fibred woods. They are prepared
under methods found during fifty years'
experience.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(114)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of
efficiency in composition
flooring has been obtained
in Leatherfloor. It is fire-proof, water-
proof, dust-proof, germ
and vermin-proof, noise-
less, non-slipping, flexible,
elastic and inexpensive.

Leatherfloor is admirably
adapted for floors, base and
wainscoting, in Hospitals, Asylums, Schools, Churches,
Libraries, Theatres, Hotels, Restaurants, Apartment Houses,
Factories, Stores, Banks, Steamships, Yachts, Railroad Cars,
Etc. wherever a smooth, sanitary, fire and water-proof flooring
is desired.

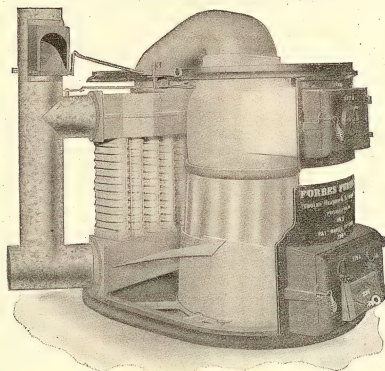
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a
minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction.
Easy to regulate. Quick to respond.

*Illustrated Catalog showing construction, install-
ations and satisfied users mailed on request.*

TUBULAR HEATING AND VENTILATING CO.
232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

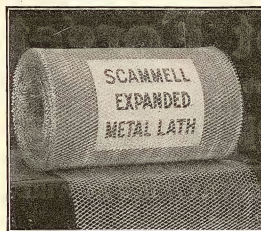
Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

SCAMMELL EXPANDED METAL LATH

(Formerly Roebbling)



The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

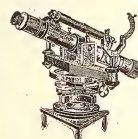
**USE SCAMMELL Lath
for Best Results**

PAYNE & SCAMMELL

Concrete Fireproofing, Metal Furring and Lathing

Land Title Bldg., Phila., Pa.

The only Expanded Metal Lath in Rolls
Patented February 17th, 1914



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees.

by vernier to 5 minutes.

Other transits from \$15

to \$115.

Serviceable.

Durable. Will hold adjustments

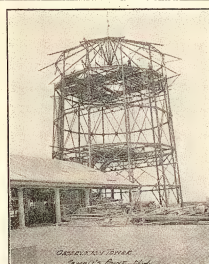


F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 9803, 8604. Keystone, Pace 278



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 22.

PHILADELPHIA, WEDNESDAY, JUNE 2, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store and Residences (2) (alts. and add.). Broad and Susquehanna avenue, Philadelphia. Architect, Thomas W. Mayo, 1701 Chestnut street, Philadelphia. Owner's name withheld. Brick, 2 stories, 32x80 feet, slag roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about one week.

Factory. Twenty-fifth and Locust streets, Philadelphia. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owners, A. H. & F. H. Lippincott, Twenty-fourth and Locust streets, Philadelphia. Reinforced concrete and brick, 4 stories, 110x190 feet, slag roof, steam heating, electric lighting, elevators. Architect taking bids, due June 3rd. The following are figuring: George Hogg, 1634 Sansom street; Turner Concrete Steel Co., 1713 Sansom street; H. C. Rea Co., 1027 Wood street; William Steele & Sons Co., 1600 Arch street; Fidelity Construction Co., Heed Building; Charles McCaul Co., 1713 Sansom street; Stacy Reeves & Sons, 2011 Market street; Irwin & Leighton, 126 North Twelfth street; Barclay White Co., Perry Building; Harry Gill, Jr., 2515 Germantown avenue, all of Philadelphia.

Store and Dwelling. 40 West Cheltenham avenue, Philadelphia. Architect, private plans. Owner, Dr. J. E. Bronson, 40 West Cheltenham avenue, Philadelphia. Brick, 2 stories, 22x50 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work, plumbing. Owner has received bids.

Residence (alt. and add.). Chestnut Hill, Philadelphia. Architect, private plans. Owners, Cheltenham Trust Company, 5614 Germantown avenue, Philadelphia. Consists of interior alterations and additions, new porches, new dining room, brick, 2 stories, tin roof, hot water heating, electric lighting. Builder, W. C. Wright, 22 Harvey street, is taking sub-bids.

School (adds.). Sixth and Wharton streets, Philadelphia, \$100,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, William Dick, Secretary, City Hall. Consists of 2 wings, stone, 3 stories, slate roof, metal lath, metal weather strips, slate blackboards, glazed bricks, iron stairs, waterproofing (heating, plumbing, electric work separate bids). Owners taking bids,

due June 4th, at 1.30 P. M. In addition to those previously reported, Edw. Atkins, 249 South Twenty-fourth street; A. Bottoms & Sons Co., 41 South Fifteenth street; William R. Dougherty, 1610 Sansom street; McCloskey & Bahls, Hale Building; F. W. Van Loon, Denckla Building; H. H. Wehmeyer, 1004 Lehigh avenue; Anstine & Co., 1215 Filbert street; H. L. Brown, 1714 Sansom street; Cramp & Co., Denckla Building; Ketcham & McQuade, 1029 Brown street; Thomas Reilly, 1618 Thompson street; F. Roe Searing, Perry Building; Frank G. Stewart, 1619 Sansom street, all of Philadelphia, are figuring.

Schools (repairs), various locations, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, William Dick, Secretary, City Hall. Consists of general alterations and repairs to 30 schools. Owners taking bids, due June 4th, at 1.30 P. M. The following are figuring: H. E. Batón, Twelfth and Sansom streets; Mitchell Bros., 2125 Race street; E. H. Sturts, 2614 Ridge avenue; Anstine & Co., 1215 Filbert street; Ketcham & McQuade, 1029 Brown street; F. Roe Searing, Perry Building; Standard Const. Co., Drexel Building; J. H. Jordan, Thirty-first and Oxford streets; McCloskey & Bahls, Hale Building; H. H. Wehmeyer, 1004 Lehigh avenue; Frank G. Stewart, 1619 Sansom street; L. F. McNeill, 1713 Sansom street, all of Philadelphia.

Store Building (alts. and add.). 4239 Main street, Manayunk, Philadelphia. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Albert Forster, 4237 Main street. Brick and terra cotta, 2 stories, 15x40 feet, slag roof, hot water heating, electric lighting, parquet floors, tile work, waterproofing. Owner taking bids. The following are figuring: McIver Construction Co., Heed Building; Suplee Construction and Contracting Co., Heed Building; Bennett & Son, Drexel Building; William H. Eddleman & Sons, 453 Green lane; E. L. Cuthbertson, 334 Roxborough avenue; Keller Bros., Harman road, Roxborough; C. M. Swartley, 6835 Ridge avenue, all of Philadelphia.

Loft Building. 315 to 319 Arch street, Philadelphia. Architects, Sauer & Hahn, 1112

Chestnut street, Philadelphia. Owner, Charles E. Schmidt, care of Keystone Leather Co., 327 Arch street. Reinforced concrete, brick and terra cotta, 6 stories, 65x185 feet, slag roof, steam heating, electric lighting, elevators. Plans in progress. Architects will take bids in about one month.

Residence. Fifty-sixth and Overbrook avenue, Wynnefield, Philadelphia. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Gerhard Estate, 1035 Commercial Trust Building, Philadelphia. Hollow tile and plaster, 2½ stories, 20x43 feet; wing, 8x15 feet, shingle roof, electric lighting, vapor heating, oak floors. Architects taking bids, due June 3rd. M. W. Young, Overbrook, Pa.; Alfred James, Bala, Pa., and E. J. Hedden, Finance Building, Philadelphia, are figuring.

Market House. 954-56 North Marshall street, Philadelphia. Architect, Fred N. Groisler, Lafayette Building, Philadelphia. Owner, Charles Ellman, 314 North Second street, Philadelphia. Brick, concrete and steel, 1 story, 22x100 feet, slag roof, electric lighting, concrete floors. Revised plans about completed. Architect will be ready for bids in a few days.

Parochial School (alts.). Sixty-third and Lancaster avenue. Architects, Henon and Boyle, 10 South Eighteenth street, Philadelphia. Owner, Our Lady of Lourdes, Rev. J. A. Mullin, on premises. Consists of finishing of second floor, plastering, painting, slate blackboards. Architects taking bids due June 4th. The following are figuring: John McShain, 631 North Seventeenth street; M. L. Conneen & Company, 2015 Outthbert street; Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Garage (alt. and add.). 335 South Twentieth street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia? Owners, Dougherty & Davenport, on Premises. Brick, one story, slag roof. Architects taking bids due June 4th. The following are figuring: John McShain, 631 North Seventeenth street; Stacy Reeves & Sons, 201 Market street; M. L. Conneen & Co., 2015 Outthbert street; Thomas Little & Sons, 1713 Mo-

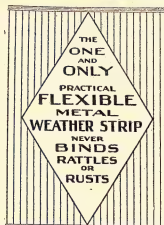
**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



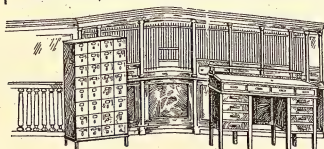
Terrazzo and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

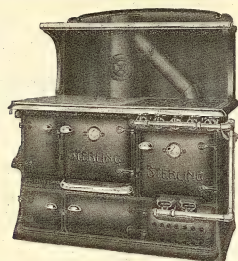
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

ravian street; Frank G. Stewart, 1619 Sansom street, Philadelphia.

Garage, Twenty-first and Brandywine streets, Philadelphia. Owners, Joseph G. Darlington & Company, 1126 Chestnut street, Philadelphia. Wm. Steele & Sons Company, 1600 Arch street, Philadelphia. Brick and reinforced concrete and steel, fireproof, three stories, 65x75 feet, slag roof, steam heating, electric lighting, elevator, steel frames and sash, metal lath, steel rolling doors. Builders, Wm. Steele & Sons Company, 1600 Arch street, Philadelphia, are taking sub-bids.

Store Building, 1335 Vine street, Philadelphia. Architect, Charles E. Oelschlaeger, Harrison Building, Philadelphia. Owner, name withheld. Brick and terra cotta, three stories, 16x30 feet, slag roof, steam heating, electric lighting, metal lath, fire doors, tile work, electric elevator. Architect taking bids due June 3d. The following are figuring: P. J. Hurley, 1233 Cherry street; E. J. Kreitzburg, 1345 Arch street; I. T. Shoemaker, 1309 Walnut street; Lam Building Company, 1001 Wood street; Thos. C. Trafford, 1613 Sansom street; Stacy Reeves & Sons, 2011 Market street; Fred Quate, 1323 Snyder avenue, Philadelphia.

Club House (alt. and add.), Camac street, south of Walnut street. Architect, Francis G. Caldwell, Stephen Girard Building, Philadelphia. Owner, Philadelphia Sketch Club, 235 South Camac street, Philadelphia. Brick, two-story addition, 16x30 feet, tin roof, damp-proofing (heating reserved). Architect has received bids.

Residence (alt. and add.), 27 West Upsal street, Germantown. Architects, private plans. Owners, Merchants' Union Trust Company, 715 Chestnut street. Consists of interior alterations, new kitchen addition, one and one-half stories. Owners have received bids.

Store and Apartments (alt. and add.), 55 North Fifty-second street, Philadelphia. Architect, R. Werner, 5133 Market street, Philadelphia. Owner, Louis S. Heim, 55 North Fifty-second street, Philadelphia. Brick, three stories, 18x94 feet, slag roof, expanded metal lath, hot water heating, electric lighting. Owner has received bids.

Factory, A and Courtland streets, Philadelphia. Architect, J. P. Klings, 1012 Walnut street, Philadelphia. Brick, one story, 134x42 feet, slag roof, steam heating (electric work reserved). Architect has received bids.

Church (alts.), northeast corner Broad and Diamond streets, Philadelphia. Architects, Furness, Evans & Company, Provident Build-

ing, Philadelphia. Owner, Bethlehem Presbyterian Church, Rev. J. R. Danes, 1524 Diamond street. Consists of new gallery and stairways, metal lath, plastering and painting. Architects have received bids.

Police, Fire Station and Garage, Twenty-second and Hunting Park avenue, \$120,000. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, City of Philadelphia, care of Department of Public Safety, City Hall. Brick, steel and terra cotta, fireproof, 3 stories, tile and slag roof, steam heating, electric lighting. Revised plans in progress. Owners will advertise for bids as soon as plans are completed.

Hospital, Tenth and Reed streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prison Board, Tenth and Reed streets, Philadelphia. Stone, concrete and steel, fireproof, 3 stories, 35x40 feet, slag roof, steam heating, electric lighting, tile work. Plans in progress. Owners will take bids in about 2 weeks.

Residences (25), Sixty-second street, south of Jefferson streets, Philadelphia. Architect, private plans. Owners, Bourne & Collins, 5025 Hazel avenue, Philadelphia. Brick, 2 stories, slag roof, hot water heating, gas and electric lighting, tile work, oak floors. Owners are taking sub-bids.

Pier, Delaware River and McKean streets, Philadelphia. Engineer, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Steel and concrete, 2 decks, 250x900 feet, slag roofs, electric lighting, ornamental iron work. Plans in progress. Owners will advertise for bids in 6 or 8 weeks.

Piers (alts.), Delaware River, Race and Chestnut streets, Philadelphia. Engineer, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Consists of new roofs and paving. Plans about completed. Owners will advertise for bids in a few days.

Store and Office Building (alts.), Thirteenth and Sansom streets, northwest corner. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Louis Stecher, 420 Market street, Philadelphia. Brick and terra cotta, 6 stories, consists of new front and in-

UNITAS TILING

A non metallic substitute for tile and wood

Manufactured by the Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary Easy to the Foot, Inexpensive, Quickly Installed. Can be used over old or new floors and stairs, wood, concrete or any good foundation.



Photo by Engineering News, N. Y.

In the path of the great Salem fire—

THIS warehouse was in the centre of the great Salem fire of 1914 which swept over 250 acres of the city. It was built of reinforced concrete and roofed along the lines of The Barrett Specification. In the fierce path of flame, the rain-water conductors and the zinc flashings at the edge of this roof were melted down, but the roof itself was left intact.

After the fire this building stood, ready for immediate use, among the prostrate ruins of its neighbors. The fire underwriters in their official report said:

"The flames and smoke were driven toward these from a burning area extending

over a mile back and a third of a mile in width and swept these mills along their exposed front of about a quarter of a mile in length with a heat which no ordinary construction could withstand."

The test was a triumph for reinforced concrete and this type of roofing. No wonder Barrett Specification Roofs take the base rate of insurance and are approved by the Underwriters' Laboratories.

Barrett Specification Roofs are not expensive. In fact, they are the least costly of any permanent roofing; they cost nothing to maintain, for they require no painting, coating, or tinkering.

We should like to send every architect, engineer and building owner a copy of the Underwriters' Laboratories report on Barrett Specification Roofs. Address our nearest office.

Special Note

We advise incorporating in plans the full wording of The Barrett Specification, in order to avoid any misunderstanding.

If any abbreviated form is desired, however, the following is suggested:

ROOFING—Shall be a Barrett Specification Roof laid as directed in printed Specification, revised August 15, 1911, using the materials specified and subject to the inspection requirement.

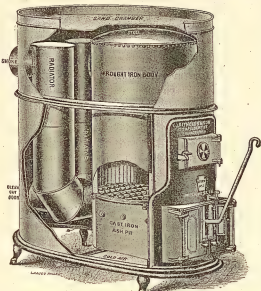
A copy of The Barrett Specification, with roofing diagrams, free on request.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle
THE PATERSON MFG. CO., Limited: Montreal Toronto Winnipeg Vancouver
St. John, N. B. Halifax, N. S. Sydney, N. S.



Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction.
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Our entire staff of experts is at your service to co-operate in the planning of gas installations for any operation work.

Whether your requirements involve installation of All-Gas Kitchens or the piping of houses for illumination, we are ready to serve you.

Call up our "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

terior alterations, steam heating, electric lighting revised plans in progress.

The One That Gets the Trade.

The constant dropping water wears away the hardest stone,

The constant chewing bulldog masticates the toughest bone,

The constant cooing lover takes away the blushing maid,

And the constant advertiser is the one that takes the trade.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Rectory, Germantown, Philadelphia. Architect, Chas. J. Cummiskey, 165 East Pomona street, Germantown. Owner, St. Catherine's R. C. Church, care Rev. J. A. Hartnett, 109 East Price street, Germantown. Brick, two and one-half stories, 25x26 feet, tile roof, oak floors, (heating and lighting reserved). Contract awarded to W. J. Cowell, 943 East Chelton avenue, Philadelphia.

Store Building, Front and Allegheny avenue, Philadelphia. Architect, Harry R. Moyer, 2029 East Wishart street, Philadelphia. Brick, three stories, 20x68 feet, slag roof, electric lighting, steam heating. Contract awarded to Harry Brocklehurst, 512 West Norris street.

Apartment House, Oxford street and Frankford avenue, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Geo. T. Sale, Bailey Building, Philadelphia. Brick, three stories, slate roof, electric lighting, vapor vacuum heating, tile work, (doors reserved). Contract awarded to Harry Smink, 5320 North Twelfth street.

Residence (alts.), 1607 Diamond street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Philip N. Goldsmith, Hale Building, Philadelphia. Tin roof, oak floors, electric lighting. Contract awarded to Frank G. English, 1610 North Carlisle street, Philadelphia.

Warehouse (add.), 242 South Fifth street, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, J.

Pinheiro, 1007 Race street, Philadelphia. Brick and concrete, three stories, 20x90 feet, slag roof, metal lath, metal frames and sash, dampproofing. Contract awarded to Storey Reeves & Sons, 2011 Market street, Philadelphia.

Store and Offices (alts.), 1421 Walnut street, Philadelphia. \$8,000. Architect, private plans. Owner, Edwin S. Ward, Lincoln Building, Philadelphia. Brick, stone trimmings, three stories, steam heating, electric lighting. Contract awarded to Charles J. W. Platt, 1015 Arch street, Philadelphia.

Church, Thirteenth and Ruscomb streets, Philadelphia. \$60,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Muhlenberg Memorial Lutheran Church, Rev. Jerome M. Guss, 5125 North Marine street, Philadelphia. Brick, stone, one and two stories, 90x107 feet, asbestos roof, vapor vacuum heating, electric lighting, damp-proofing, metal lath. Contract awarded to E. E. Hollonback, Fifteenth and Race streets, Philadelphia.

Factory and Offices (alt. and add.), Huntingdon and Jasper streets. Architects, Simon and Bassett, 1114 Chestnut street, Philadelphia. \$5,500. Owners, W. H. and A. E. Margerison, Emerald and East Sergeant streets. Brick, two stories, 58x23 feet, slag roof, fire doors, fire escapes, steel rolling doors, wire lath, tile work, (heating reserved). Contract awarded to Thomas M. Seeds, 1207 Race street, Philadelphia.

PENNSYLVANIA Construction News

Store Fronts, Tamqua, Pa. Architect, E. M. Pickin, Hunsicker Building, Allentown, Pa. Owners, Livingstone & Green, Tamqua, Pa. Consists of new store fronts. Architect has received bids.

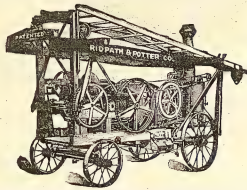
Store Building (alts.), Tamaqua, Pa. Architect, E. M. Pickin, Hunsicker Building, Allentown, Pa. Owner, The Livingstone Estate, Tamaqua, Pa. Reinforced concrete floors, metal lath, electric lighting, office partitions. Architect has received bids.

Silk Mill, Dorranceton, Pa. \$150,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Duplan Silk Company, Hazleton, Pa. Consists of a group of one- and two-story buildings. Brick and concrete, composition roofs, steam heat-

ing, electric lighting. Architects have received revised bids.

Residence, Drexel Hill, Pa. Architect, E. K. Crothers, 133 So uth Fifty-second street, Philadelphia. Owner, Henry C. Swartz, 2314 South Twenty-first street, Philadelphia. Stone, two and one-half stories, 36x41 feet, shingle roof, hot water heating, electric lighting. Owner taking bids. Suplee Construction and Contracting Company, Bulletin Building; and M. Erhold, Manhattan Building; McCloskey & Bahl, Hale, Building all of Philadelphia, are figuring.

School (alt. and add.), Swarthmore, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, Mary Lyon School, H. M. Crist, Swarthmore, Pa. Stone and plaster, two stories, slag and shingle



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

roof, metal lath, dampproofing, (steam heating, plumbing, electric work, metal lockers reserved). Architect has received bids.

Church, Dickinson City, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, St. Thomas R. C. Church, Rev. H. J. Gerrity, Dickinson City. Brick and terra cotta, two stories, 50x100 feet, slate and tile roof, steam heating, electric lighting, ornamental iron work, marble work. Architects have received bids.

Church (alt. and add.), North Wales, Pa. Architect, E. F. Ott, 4259 North Seventh street, Philadelphia. Owner, Sanctuary Methodist Church, North Wales, Pa. Stone, one story, 25x36 feet, slate roof, electric lighting, dampproofing and waterproofing, (heating reserved). Architect taking bids due June 4th. The following are figuring: F. B. Davis, 240 North Sixteenth street; O'Neill & Company, 7211 Germantown avenue, both of Philadelphia, Willington Godshalk, Kulpville, Pa.; Ludwig Kealin, Lansdale, Pa.; J. McBreyer, North Wales, Pa.; W. D. Lukens, North Wales, Pa.

Parish House, Eddystone, Pa. Architects, Geo. Nattress & Son, Twelfth and Walnut streets, Philadelphia. Owner, St. Peters P. E. Church, Eddystone, Pa. Stone, one story, 30x60 feet, slate roof, steam heating, electric lighting. Plans in progress.

School (alt. and add.), Clifton Heights, Pa. Architects, Falsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Board of Education, Clifton Heights, Pa. Brick, four rooms, slate roof, two stories, (heating and ventilating reserved). Plans in progress. Architects will be ready for bids June 6th.

Residence and Garage, Haverford, Pa. \$35,000. Architects, Milligan and Pierson, 520 Walnut street, Philadelphia. Owner, Sydney Thayer, Merion, Pa. Stone and plaster, two one-half stories, details not decided. Plans in progress.

Laundry Building (add.), Paradise Township, Pa. \$3000. Architect, Edward Leber, Hay Building, York, Pa. Owner, Paradise Protective and Agricultural School, Rt. Rev. Bishop J. W. Shanahan, 2040 North Fifth street, Harrisburg, Pa. Brick, two stories, 28x30 feet, slate roof, steam heating, electric lighting, concrete floors. Architect ready for bids.

Residence, Neffsville, Pa. \$3500. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, J. C. Rebman, Lancaster, Pa. Hollow tile and plaster, two one-half stories, 35x26 feet, asbestos shingle

roof, hot water heating, electric lighting, dampproofing, tile work. Plans in progress.

Factory (alt. and add.), North Lancaster, Pa. \$10,000. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, name withheld. Brick, three stories, 40x100 feet, slag and tin roof, steam heating, electric lighting. Architect taking bids due June 5th. The following are figuring: Roy Clark, L. V. Wright, Benjamin Hull, Frank Bachman, all of Lancaster, Pa.

Office Building, Lancaster, Pa. \$30,000. Architect, John H. Wickersham, Brenneman Building, Lancaster, Pa. Owner, Dr. F. A. Achey, Examiner Publishing Company, Lancaster, Pa. Brick and terra cotta, six stories, 31x90 feet, composition roof, hot water heating, electric lighting, tile work, composition flooring, metal lath, waterproofing and dampproofing, steel sash, elevator, ornamental iron work. Plans in progress.

Residence, Lemoyne, Pa. \$6000. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owner, Dr. E. S. Everhard, Harrisburg, Pa. Brick, two stories, 36x42 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors. Revised plans in progress.

Twin Residences (4), Harrisburg, Pa. \$10,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, name withheld. Brick, hollow tile and stucco, two and one-half stories, 28x50 feet, slate roof, steam heating, gas and electric lighting, hardwood floors, tile work, dampproofing. Plans in progress.

Residence, Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, name withheld. Brick and hollow tile and stucco, two and one-half stories, 28x48 feet, slate roof, steam heating, gas and electric lighting, tile work, hardwood floors, dampproofing. Plans in progress.

Garage, Harrisburg, Pa. \$2500. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, Lesley McCreath, Harrisburg, Pa. Frame, two stories, 20x24 feet, shingle roof, electric lighting. Plans in progress.

School (alt. and add.), Newville, Pa. \$16,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, School Board, care W. H. McCrea, Newville, Pa. Brick, two and one-half stories, 50x63 feet, slate and slag roof, dampproofing, (heating, plumbing, electric work separate bids). Owners ready for bids May 31st. Bids due June 14th.

School, Greencastle, Pa. \$25,000. Archi-



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag

Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
EST'D BLISS'ED 1865

WOOD WORK OF QUALITY



**Mill Work
Stair Work Cabinet Work
Flooring**

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

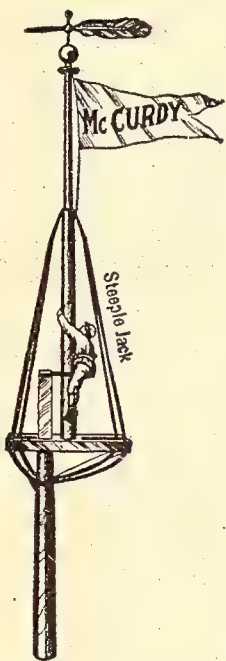
ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
33 and 35 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.

PHILADELPHIA

**VALVES
AND
SCALES****FLAG POLES
and Fittings**

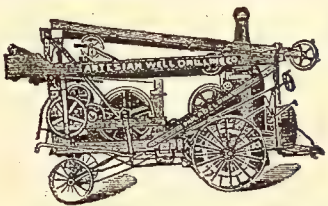
**Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete**

**STEEPLEJACK
CANVAS ROOFING**

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A

**Wells - Soundings
Test Borings****Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON
**Brick Arches and Angles
Ground and Fitted**

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

**Home Liberty Palace Liberty
Ranges and Heaters**

114 N. 2nd St., Phila.

tect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Board of Education, care E. W. Palmer, Greencastle, Pa. Brick, two stories, 80x90 feet, slag roof, dampproofing, electric lighting, heating undecided, slate blackboards. Plans in progress.

Theatre, Pottsville, Pa. Architects, The Hoffman Company, Finance Building, Philadelphia. Owner, Phillip Brenneman, Pottsville, Pa. Brick, terra cotta, concrete and steel, fireproof, two stories, 30x230 feet, slag roof, metal lath, waterproofing, metal frames and sash, iron stairs, (heating and electric work reserved). Architects taking revised bids. Frank G. Stewart, 1619 Sansom street, and Smith-Hardican Company, 1606 Cherry street, Philadelphia, are figuring.

Bridge, near Fricks Lock, Pa. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete, 581 feet long. Owners taking bids, due June 8th. The following are figuring: T. L. Eyre, Commercial Trust Building; Charles McDermott Company, Pennsylvania Building; John Holl & Co., 1539 Filbert street; M. J. McMenamin, Commercial Trust Building; James McGraw Co., Commercial Trust Building; William H. Johnson, Jr., Crozer Building; Keystone State Const. Co., Pennsylvania Building; P. F. Brendlinger, Commercial Trust Building; John A. Kelly Cont. Co., Pennsylvania Building; P. McManus, Thirty-fourth and Lancaster avenue; Sparks & Evans, Abbott Building; James F. Brogan & Co., Commercial Trust Building; Reiter, Curtis & Hill, Commercial Trust Building; Sims & Dailey, 1524 Chestnut street; Contrell Const. Co., Real Estate Trust Building; Brann & Stuart, Commercial Trust Building; L. F. Sims, Commercial Trust Building; Manwaring & Cummins, 1326 Chestnut street; Brown-King Const. Co., Harrison Building; Millard-Lupton Co., Frankford avenue and Tulip street, all of Philadelphia; T. F. Reilly, Bala, Pa.; Dravo Contracting Co., Lewis Block, Pittsburgh, Pa.; Frech-Allen-Beasman Contr. Co., Union Trust Building, Baltimore, Md.; Arthur McMullen Co., Singer Building, New York City; R. W. Grace Contr. Co., 514 Smithfield street, Pittsburgh, Pa.; Booth & Flinn, 1942 Forbes street, Duquesne Contr. Co., Diamond Bank Building; John R. Casey Co., Oliver Building, all of Pittsburgh, Pa.; F. M. Talbot Const. Co., 1 Madison avenue, New York City; A. L. Anderson & Bros., Altoona Trust Building, Altoona, Pa.; H. S. Kerbaugh, 8 Church street, New York City; Litchfield Const. Co., 25 Flatbush avenue, Brooklyn, N. Y.; Myers & McWilliams, Lancaster, Pa.; Thomas Sheehan, Hagerstown, Md.; D. H. & C. H. Reimard, Bloomsburg, Pa.; H. W. Nelson Co., 14 South Canal street, Chicago, Ill.; L. H. Focht & Son, Reading, Pa.

Bungalow, Wyomissing, Pa. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owners, Hickman & Heiny, Reading, Pa. Hollow tile and stucco, 1 story, 26x34 feet, shingle roof, electric lighting, heating undecided. Owners will take sub-bids.

Residence, Shenandoah, Pa., \$6,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, Daniel Ferguson, Shenandoah, Pa. Brick, 2½ stories, 17x85 feet, slate roof, electric lighting, heating undecided. Plans in progress.

Store and Residence, West Reading, Pa., \$4,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, W. R. Eoling, 423 Gordon street, Reading, Pa. Brick, 3 stories, 20x40 feet, slag roof, hot water heating, tile work, oak floors, metal lath. Owner taking bids.

Department Store, Pottsville, Pa. Architect, Frank X. Reilly, Pottsville, Pa. Owner, J. Miehle & Son, Inc., Newton, President, Pottsville, Pa. Brick, steel and terra cotta, fireproof, 3 stories, 55x230 feet, slag roof, sprinkler system, steam heating, elevators, electric lighting. Owners are taking bids.

Residence (alts.), Ardmore, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Adam A. Ross, Ardmore, Pa. Consists of general interior alterations. Architect taking bids, due June 4th. The following are figuring: Milton W. Young, Overbrook, Philadelphia; F. H. Mahan, Ardmore, Pa.; Gray Bros., Rosemont, Pa.; George L. Croll, Rosemont, Pa.

**PLACE AND VALUE OF THE
TRADE PAPER.**

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

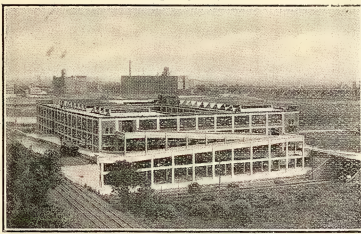
SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

PENNSYLVANIA Contracts Awarded

Store Building (alt. and add.), Camp Hill, Pa. \$12,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Todd Estate, Carlisle, Pa. Brick, one and one-half stories, 40x200 feet, composition roof, steam heating, electric lighting. Contract awarded to G. E. and E. B. Henninger, Carlisle, Pa.

School, Fairview Township, York County, Pa. \$10,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, School Board, John Greenfield, chairman, Siddonsburg, Pa. Brick, three stories, 50x100 feet, slag roof, hot air heating, electric lighting, slate blackboards. Contract awarded to August Wildman, Harrisburg, Pa.

Lodge Building, Harrisburg, Pa. \$11,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Brotherly Love G. U. O. Odd Fellows, Harrisburg, Pa. Brick, three stories, 46x37 feet, slag roof, steam heating, electric lighting, dampproofing. Contract awarded to W. E. Bushey, Lemoyne, Pa.

Store and Apartments (alt. and add.), Harrisburg, Pa. \$5000. Architect, private plans. Owner, John Lapley, Harrisburg, Pa. Brick, three stories, 25x80 feet, tin roof, electric lighting. Contract awarded to W. H. Schue, Harrisburg, Pa.

Bungalow, Paxtang, Pa. \$6000. Architect, Geo. H. Grove, Harrisburg, Pa. Owner, G. B. Balbraith, Harrisburg, Pa. Brick, one and one-half stories, 51x44 feet, slate roof, steam heating, electric lighting, oak floors. Contract awarded to Daniel Ricker, Paxtang, Pa.

Residence, Lancaster, Pa. \$3500. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, George F. Kähler, Lancaster, Pa. Brick, two and one-half stories, 30x28 feet, slate roof, electric lighting, hardwood floors. Contract awarded to Luther Wohlson, Lancaster, Pa.

Bungalow, Hanover, Pa. \$6500. Architect, J. H. McClymont, Lehmayr Building, York, Pa. Owner, L. K. Phreaner, Hanover, Pa. Stone and frame, one and one-half stories, 50x45 feet, shingle roof, hot air heating, electric lighting, hardwood floors, tile work.

Contract awarded to W. J. Klunk, Hanover, Pa.

Store and Apartments, York, Pa. \$12,000. Architect, J. H. McClymont, Lehmayr Building, York, Pa. Owner, H. D. Rupp, Rupp Building, York, Pa. Brick, three stories, 32x80 feet, slag roof, steam heating, electric lighting, hardwood floors, tile work. Contract awarded to S. F. Glatfelter, Small Building, York, Pa.

Church (remodeling), Shenandoah, Pa. Architects, Bartolett & Matthews, 1614 Filbert street, Philadelphia. Owner, St. Georges Lithuanian R. C. Church, Shenandoah, Pa. Granite, one story, 25x60 feet, asbestos shingle roof. Contract awarded to F. H. Keiser & Company, Pottstown, Pa.

Residence and Garage, Merion, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Fred W. Fleck, 44 North Fifth street, Philadelphia. Stone, two and one-half stories, 44x64 feet, slate roof, oak floors, electric lighting, (heating and plumbing reserved). Contract awarded to John E. Kearney, 327 North Sixty-third street, Philadelphia.

School (add.), Camp Hill, Pa. \$155,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, School District of Camp Hill, Pa. Brick, two stories, 62x50 feet, slate roof. Contract awarded to W. E. Bushey, Lemoyne, Pa.

Factory (add.), Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Autocar Company, Ardmore, Pa. Brick and concrete, three stories, 60x96 feet, slag roof, metal frames and sash, (heating and lighting reserved). Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Building (alt. and add.), Chester, Pa. Architects, Bunting & Shrigler, 603 Chestnut street, Philadelphia. Owner, Philadelphia Suburban Gas and Electric Company, Chester, Pa. Brick, two stories, consists of new tile roof and interior alteration. Contract to H. Louis Morris, Chester, Pa.

Residences (6), Lancaster, Pa. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, F. W. Rehm, Hoffman House, Lancaster, Pa. Brick, two stories,

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

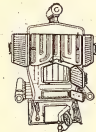
T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

—MILLS—



"Guarantee"

We stand back of our Boiler.

They will do everything we claim for them.

Send for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

C. G. A. SCHMIDT, JR. & CO.
EMPIRE BUILDING, PHILA., PA.

R. O. SCHEEL, PRESIDENT

H. H. S. OGDEN, SECRETARY

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

13x32 feet each, slag roof. Contract awarded to Luther Wohlsen, Lancaster, Pa.

Residences (8), Lancaster, Pa. \$42,000. Architect, Melvern R. Evans, 108 East Orange street, Lancaster, Pa. Owners, Bowman & Kendy, Lancaster, Pa. Brick, two and one-half stories, 18x50 feet each, slate roof, hot air heating, electric lighting, oak floors. Contract awarded to I. Witmer, Lancaster, Pa.

School, Manheim Township, Pa. \$6500. Architect, Melvern R. Evans, 108 East Orange street, Lancaster, Pa. Owners, School District of Manheim Township, Eden, Pa. Brick, one story, 50x40 feet, wing 24x16 feet, slate roof, hot air heating, electric lighting, dampproofing. Contract awarded to Ivan Rohrer, Eden, Pa.

Factory Building, Marcus Hook, Pa. \$125,000. Architect, private plans. Owners,

United Roofing and Manufacturing Company, care Mr. Walters, Morris Building, Philadelphia. Consists of group of buildings, (7), one and two and three stories, brick, concrete, 23x43 feet, 112x25 feet, 70x70 feet, 80x30 feet, 210x56 feet, 136x56 feet and 200x100 feet, expanded metal, electric light, metal windows and doors, fire doors, fire escapes, rolling steel doors. Contract awarded to W. W. Lindsay & Company, Harrison Building, Philadelphia.

Residence (alt. and add.), Laverock, Pa. Architects, Furness Evans & Co., and Joseph F. Sims, Provident Building, Philadelphia. Owner, Charles Platt, Jr., 400 Walnut street, Philadelphia. Frame and plaster, 2½ stories, 20x40 feet and 20x24 feet, shingle roof, electric lighting (heating and plumbing reserved). Contract awarded to George S. Roth & Sons, 230 East Gravers lane, Philadelphia.

NEW JERSEY

Construction News

Dining Halls and Kitchen, Princeton, N. J. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, University of Princeton, Princeton, N. J. Consists of (3) one-story dining halls, (1) two-story dining hall and two-story kitchen, stone slate roofs, steam heating, electric light. Plans about completed. Architects will take bids about June 15th.

Hight School (add.), Collingswood, N. J. \$40,000. Architect, Clydes S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Collingswood, N. J. Brick, two stories, slate roof, metal lath, safety treads. Owners taking bids due June 8th. The following are figuring: McCloskey-Bahls, Hale Building; Berry-Goodwin Company, 136 South Fourth street, Philadelphia; Geo. W. Shaner, Palmyra, N. J.

Town Hall and Firehouse, Swedesboro, N. J. \$20,000. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, Borough of Swedesboro, Swedesboro, N. J. Brick and stone, three stories, steam heating, electric lighting. Plans in progress.

Hotel, Stone Harbor, N. J. \$12,000. Architect, Henry R. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, South Jersey Realty Company, Real Estate Trust Build-

ing, Philadelphia. Frame, three stories, 30x100 feet, shingle roof, steam heating, electric lighting. Plans completed. Owners ready for bids.

Residence, Moorestown, N. J. Architect, Joshua C. Jefferies, 1001 Chestnut st., Philadelphia. Owner, Edward S. Sharpless, Moorestown, N. J. Hollow tile and stucco, two and one-half stories, 30x66 feet, slate roof, oak floors, (heating, plumbing and electric work reserved). Architect taking bids due June 4th. The following are figuring: J. S. Rogers Company, Steward L. Mahnes, Jacob W. Stiles, W. A. Richman, A. F. Aiken & Son, all of Moorestown, N. J.; and J. B. Rowan, Stanwick, N. J.; Louis F. Lowden, Riverton, N. J.

Residences (17), Jackson street, Camden, N. J. Architect, private plans. Owners, Guarantee Realty Co., 1204 Broadway, Camden. Brick, 2 stories, 14x38 feet, slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Residence (alt. and add.), 911 Kaighn avenue, Camden, N. J. Architect, private plans. Owner, C. Coplan, 901 Kaighn avenue, Camden. Brick, 2 stories, 14x16 feet, slag roof gas lighting. Owner is sub-letting all contracts.

NEW JERSEY

Contracts Awarded

Garages (5), Linden street, Camden, N. J. Architect, private plans. Owner, E. H. Patton, 506 North Sixth street, Camden. Brick, 1 story, 12x20 feet each, slag roof, electric lighting, concrete floors. Contract awarded to W. W. Selby, 1009 North Sixth street, Camden, N. J.

Bank Building, Woodbury, N. J. \$30,000. Architect, Chas. R. Peddle, 136 South Fourth street, Philadelphia. Owners, Woodbury Trust Company and Farmers and Mechanics National Bank, Woodbury, N. J. Brick, stone and concrete, one and two stories, 23x88 feet, slag roof, steel sash, tile and marble work, (heating, electric work and banking fixtures reserved). Contract awarded to Joseph B. Best, Woodbury, N. J.

Trestle and Siding, Trenton, N. J. Engineers, owners. Owners, Pennsylvania Railroad Company, Jersey City, N. J. Timber and steel, 400 feet long. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a whole lot of valuable data that should be at his command.

Miscellaneous Construction News

Church (alt. and add.), Wilmington, Del., \$10,000. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owners, Mt. Salem Church, Wilmington, Del. Brick and limestone, 1½ stories, 50x75 feet, slate roof, steam heating, electric lighting. Architect taking bids, due June 5th. The following are figuring: W. D. Haddock & Co., W. Howard May, J. M. Smythe, J. Warren Bareklow and H. P. Carlin, all of Wilmington.

Residence (alt. and add.), Wilmington, Del. Architect, E. James Dallett, Equitable Building, Wilmington, Del. Owner's name withheld. Brick, stone and terra cotta, 1 story, tin roof, steam heating, electric lighting, tile work, oak floors, metal lath, waterproofing and dampproofing. Plans in progress.

Office Building, Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner's name withheld. Stone and brick, 4 stories, 25x70 feet, slag roof, steam heating, electric lighting. Plans in progress.

Factory Buildings, Newport, Del. Architect, private plans. Owners, Krebs Pigment and Chemical Co., Newport, Del. Brick, steel and concrete, fireproof, 1, 2 and 3 stories, 110x225 feet; wing, 56x75 feet; slag roof, waterproofing (heating and electric work reserved). Owners taking an additional bid. Deverell Spencer & Co., Garrett Building, Baltimore, Md., are figuring.

Residential Halls (2), Ithaca, N. Y. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Cornell University, care E. L. Williams, Ithaca, N. Y. Stone, steel, fireproof, three stories, 30x160 feet each, slate roofs, electric lighting, steam heating, metal lath. Contract awarded to Matthews Construction Company, Princeton, N. J.

Picture Theatre, Wilmington, Del. Architects, The Hoffman Company, Finance Building, Philadelphia. Owners, names withheld. Brick and terra cotta, one story, 30x125 feet, slag roof, steam heating, electric lighting, metal lath, tile and marble work. Plans about completed. Architects will take bids in one week.

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scripper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

MARYLAND Construction News

Oil Plant (alt. and add.), Narrows, Cumberland, Md., \$25,000. Architect not yet selected. Owners, Standard Oil Co., 26 Broadway, New York City. Concrete and brick buildings and additional storage tanks and safety gasoline reservoirs; also alterations and additions. Owners will soon start plans.

Garage, North avenue and Lovegrove alley, Baltimore, Md. Architect, Charles M. Anderson, 324 North Charles street, Baltimore. Owner, G. W. Eisenhauer, Blue Ridge Summit, Pa. Brick, 1 story, slag roof. Plans in progress.

Dwelling, Garage and Stable, Green Spring Valley, Md., \$100,000. Architect, Thomas Bond Owings, 347 North Charles street, Baltimore. Owner, Walter B. Brooks, Jr., Commerce and Water streets, Baltimore. Brick, 3 stories, 50x196 feet, sewage disposal plant. Plans in progress.

Dwelling, S street, near Twentieth street, Washington, D. C., \$10,000. Architect, John M. Donn, 1516 H street, N. W., Washington, D. C. Owner George Y. Worthington. Brick, 3 stories, 20x65 feet, tin roof, hardwood floors, hot water heating, electric lighting.

Cold Storage, Avarchouse and add. to present building, \$200,000, 408-30 South Eataw street, Baltimore. Brick and concrete, 8 stories, 140x112 feet, and 3-story addition to present building, 35x120 feet. Owners will take sub-bids on all lines.

Dwellings (6), Lakeview avenue, Baltimore, Md., \$15,000. Architect, W. B. Gerwig,

600 Equitable Building, Baltimore. Owner, Frank O. Singer, 600 Equitable Building, Baltimore. Brick, 2 stories, slag roof, steam heating, electric lighting. Owner will take sub-bids on all lines.

Dwellings (8), Chauncey avenue, east of Linden avenue, Baltimore, \$20,000. Architect, W. B. Gerwig, 600 Equitable Building, Baltimore. Owner, Frank O. Singer, 600 Equitable Building, Baltimore. Brick, 2 stories, slag roof, steam heating, electric lighting. Owner will take sub-bids on all lines.

Dwellings (4), Brookfield avenue and Chauncey avenue, Baltimore, \$10,000. Architect, W. B. Gerwig, 600 Equitable Building, Baltimore. Owner, Frank O. Singer, 600 Equitable Building, Baltimore. Brick, 2 stories, slag roof, steam heating, electric lighting. Owner will take sub-bids on all lines.

Dwelling, Roland avenue, Baltimore, Md., \$8,000. Architect, M. E. Davis, 15 East Fayette street, Baltimore, Md. Owner, M. C. Davis, 15 East Fayette street, Baltimore, Md. Brick, 2 stories, 40x76 feet, tin roof, steam heating. Owner will take sub-bids on all lines.

Dwellings (76), Homestead street, Baltimore, Md., \$125,400. Architect, private plans. Owners, E. J. Gallagher Realty Co., 919-20 Munsey Building, Baltimore. Brick, 2 stories, hot water and hot air heating, slag roofs, gas and electric lighting. Owners will take sub-bids.

MARYLAND Contracts Awarded

Dwelling, 3309 Carlisle avenue, Baltimore, Md., \$4,000. Architects Childs & Sparklin, 502 Law Building, Baltimore, Md. Owner, E. W. Young. Frame, 2½ stories, slate roof, hot air heating. Contract awarded to Seybold & Sparklin, 502 Law Building, Baltimore, Md.

Dwelling, Govans, Md., \$4,000. Architect, A. Murray Myers, Govans, Md. Owner, W. J. Saeering Jr., 2339 North Calvert street, Baltimore. Frame, 2½ stories, shingle roof, electric lighting, hot water heating. Contract awarded to Henry A. Knott, 1340 North Eden street, Baltimore, Md.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

Many a man has a "Do It Now" motto over his desk and cobwebs on his brain and dust on the desk

Don't expect outsiders to give you a big rating on a one-inch space.

Don't knock. Boost! Don't grouch. Smile! Don't mope. Advertise!

If a man can make a better quality of brick than his competitors can, it is up to him to tell the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

The man who is "going to do some advertising next year—maybe" gets his advertising in the end in the shape of an obituary.

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

Let Us Make Your Home Weather Proof

**Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses**

THE AQUABAR CO.
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 22, 1915.—Sealed proposals will be opened in this office at 3 P. M., June 24, 1915, for the construction complete (including mechanical equipment, lighting fixtures and approaches) of the United States post office at Mt. Vernon, N. Y. Drawings and specifications may be obtained from the custodian of site at Mt. Vernon, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

(For Permits see page 354.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., JUNE 2, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President.....*R. Clifton Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.....{ Thomas J. D. Fuller, Washington, D. C.
 Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magdonie, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Broekie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John F. Harbeson
Vice-President.....Herman L. Duhring
Secretary.....Frederick A. Muhlberg
Treasurer.....Walter Mellor
Directors—Clarence C. Zantzing, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlberg.

Editorial Comment

Edward W. Bok, who is widely known in publishing circles as the editor of a magazine of phenomenal circulation, took it into his head some time ago to make Merion, his home suburb, a model community. Enlisting the co-operation of kindred spirits Mr. Bok organized a Civic Improvement Association and set joyfully about the task of converting a pretty, but sleepy and self-satisfied, little suburban place into a real, 'live, progressive and capably managed semi-urban community. How he did it, by what means, along what lines and by the aid of what outside agencies, is admirably narrated in an article in "The Outlook."

* * *

"Suburbs, no less than slums, need redemption," says the Outlook. Merion, as beautiful a suburb as Philadelphia or any other city in America possesses, needed redemption from selfishness, individualism, social indifference, an unwarranted sense of security and crude disfigurements. Or at least Mr. Edward W. Bok believed it did.

"Mr. Bok lives in Merion and he believed that it might be made much more delightful as a place in which to live. Merion had been contented, because it had a reputation for being a suburb of wealth and exclusiveness. But all the while it was unconsciously suffering from deprivations, inconveniences, and blemishes that a middle-class manufacturing town would not tolerate for a month.

"There were infrequent semi-luminous blurs of yellow gas-light by way of illumination, gutterless roads, mud trails or cinder tracks for sidewalks, scant and precarious fire protection, a miniature and somnolent police force, an annual crop of mosquitoes, and many other things quite reminiscent of the dark ages and quite anachronous in a modern American American suburb. And it was all overlooked, tolerated, extenuated, because Merion had no corporate or communal consciousness; it is not a village, or even a polling district, but simply a cluster of beautiful homes set in well-kept grounds, inhabited by busy, wide-awake and delightful American citizens.

"Obviously Merion needed a community soul, and when Mr. Bok proposed the creation of a civic association a new community was born."

* * *

"The first thing necessary was a fearless stock-taking, and a survey was made by experts from the Bureau of Municipal Research. They mapped out the more obvious needs and sketched a prophetic picture of possibilities. Next the Merion Civic Association incorporated and engaged a secretary to see that the work designed should be properly carried out.

"One of the earliest discoveries was that the fire protection was entirely inadequate. By arranging with the fire companies of

adjacent suburbs to respond in case of need, by erecting eight fire gongs, by periodic testing of hydrants and the placing of many new ones, the insurance rates to residents have been lowered between twelve and one-half to thirty per cent. The police force has been nearly quadrupled, and a police whistle has been furnished to every woman in Merion. The old gas lamps have given place to electricity, and the distances between standards reduced so that Merion is about the best lighted rural community in the country. An expert was engaged to examine the milk supply, and no milk can be sold in Merion except from dairies that are registered as sanitary. Once a month the drinking water is tested in the laboratory of a professor of the University of Pennsylvania, and a printed report sent to each resident."

* * *

"From the standpoint of beauty the work is even more remarkable. Where the Pennsylvania Railroad passes through Merion the sides of the cuts and fills have been planted thick with clambering roses, and in the season they are worth going hundreds of miles to see. The standards of the new street lamps are of iron, and the lanterns, octagonal in shape, are of solid copper. Architects and Experts pronounce them at once beautiful and practical. All of the street signs are of cast iron and of artistic design, and the speed limit warnings are similar. Thousands of magnolias, red-flowering horse-chestnut and dogwood trees have been planted by the roadsides.

"Only two years ago Mr. Bok launched the Civic Association. If the plans now under way are carried out, as they will be, Merion may standardize ideal suburban life, certainly for Pennsylvania, possibly for the United States."

* * *

All of which goes to show what can be done, by private city planning endeavor, when the right man, aided by the right sort of neighbors, can be found to take hold.

* * *

Keith's Magazine has, in the current number, a few remarks, on the subject of "Estimating the Cost," that are so refreshingly practical, sensible, and to the point, that we are moved to find space for their reproduction in spite of the fact that the subject is one that has already been discussed almost to the verge of weariness.

"There are three kinds of estimates: 'preliminary estimates,' usually made by the architect; 'actual estimates,' made by the contractor from plans and specifications which are to form the contract documents, guaranteeing the contractor's willingness to execute the work included in his estimate; and 'subsequent estimates,' made by the contractor and checked by the architect," observes Keith's Magazine.

"Those who know most about estimating are loud in their declaration that no one knows how much a building costs until it is all done, so different are all construction operations. Casual reference to two sets of current 'actual estimates' (based on the same plans and specifications and taken on the present market) show one set ranging from \$198,000 to \$297,000 for the same building and the other set ranging from \$10,000 to \$15,000 for the same building,—a variation of 33 1-3 per cent. or 50 per cent., as one chooses to calculate." Under these conditions the question is pertinently asked, "If contractors and builders don't know what a building should cost, who does?" The answer is, the architect. The contractor knows only his own bid, while the architect has access to all estimates, and thereby develops a very broad and comprehensive knowledge of cost, based on the opinions of many skillful and experienced practical men.

"Good architects should have, and do have, facilities to compute, with a reasonable degree of accuracy, 'preliminary estimates,' 'actual estimates,' and 'subsequent estimates.' If the owner studies carefully the estimate prepared by his architect, and if he understands what type of estimate it is and just how much it includes, we will not hear him complaining later on that the architect's information is unreliable."

* * *

Nothing very novel in this statement on the subject of cost, to be sure, and yet,—we do not know that we have ever met anywhere a better presentation, within small space space, of the facts underlining this vexatious and much fretted problem. The final paragraph, "If the owner studies carefully the estimate prepared by his architect, and if he understands what type of estimate it is and just how much it includes, we will not hear him complaining later on that the architect's information is unreliable," is particularly good. Fully ninety per cent. of the complaints originating under this head issue out of a misunderstanding on the part of the owner of the ground covered by what is known as the preliminary estimate."

* * *

The subject of "Delay in Awarding Contract" is deftly summed up in a comment on this practice in "Engineering and Contracting." Says the writer:

"Delay in taking final action on a contract after the bids have been received oftentimes works a hardship on the low bidder. The contractor has bid on the undertaking in good faith and has deposited his certified check or other security as a guaranty that if successful he will execute a satisfactory contract and furnish bond for the performance of the work. He is thus in a measure tied down. If his outfit is not large enough to handle more than one piece of work he hesitates to bid on other undertakings because he does not know whether or not his equipment will be required for carrying out the first contract. This contractor is in about as aggravating a position as the fisherman whose tackle gets caught in an over-

hanging tree just when the fish are beginning to bite briskly. His companions are having rare sport, while he, red of face and with hands trembling with excitement, is striving to untangle his line from the branches. Delays of a month in awarding a contract or rejecting the bids are of frequent occurrence. There have been instances where bids have been held under advisement for six months or even longer before final action was taken. In many cases the delay is due to some unforeseen happening, such as a court action brought by a taxpayer. In other cases, however, there is no such excuse. Right of way difficulties, that could have been settled before the call for bids was issued, often hold up the awarding of a contract. The settlement of legal troubles after the bids have been taken instead of before the work is advertised, is another cause of delay. Some cities or public organizations are notably slow in awarding their contracts. They have so much red tape, so many checks and counter checks that the low bidder can take a good long vacation while waiting to find out whether his bid is accepted or rejected. On the other hand it is becoming quite common to specify in the official proposal or the form of contract that the work will be awarded or the bid rejected within a certain definite time. A contractor bidding under this condition knows just what to expect and can make his plans accordingly."

* * *

The admission of architects to practice is a subject of more or less general interest at this time because of the action of a number of States in setting up standards for registration intended to bar out incompetent and half-trained practitioners. The Institute Journal, speaking for the better class of architects, takes the following stand with reference to this much-discussed topic:

"It is wholly natural that, on the question of the laws which are being proposed in several States covering the admission of architects to practice, public opinion should miscomprehend. Any attempt at the regulation of an existing evil is only too likely to be looked upon with doubt of the sincerity and unselfishness of those who propose the regulation.

"We take it for granted that no architect, worthy of the name, desires to see a law passed which will have the effect of compelling people to employ an architect. But we also take it for granted that every competent architect does desire that the man who appropriates the title shall be made responsible, in some manner, whereby his incompetency shall not injure the profession in which he has no right to practice.

"We do not understand that any of the laws bearing upon this matter, either in force or in process of legislation, are intended to accomplish more than to insist that an inexperienced and incompetent man shall not hide behind the title of architect. The public is left free in its choice of the man who shall design its buildings. No restrictions whatever are interposed between them and the maker of plans. The law only applies

to the use of the title, and stipulates that if a man proposes to use it, he shall first demonstrate his qualifications by some other means than that of an experiment upon the public safety.

"The profession of architecture has suffered, and still suffers, from incompetency. What else is to be expected when the title of architect may be adopted by whoever chooses so to do? Any law which will tend to diminish incompetency in measure will be quite as much of a benefit to the public as to the profession. Architecture must stand upon the performance of those who practice it; but, it is manifestly both unfair and stupid to permit the profession as a whole to be judged by the performance of those who never pretend to conform to the most elementary requirements and who use the title of 'architect' as a matter of business expediency. Such freedom merely constitutes an abuse which injures everybody."

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

FOSTER SYSTEM

MAXIMUM
EFFICIENCY

AT MINIMUM
COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY
22nd & SEDGLEY AVE.
PHILADELPHIA PENNSYLVANIA.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



A HOUSE OF PORCELAIN TILE.

Until comparatively recent times houses were built either of wood or brick. Buildings in the suburbs and rural districts were of frame and those in the city brick. Stucco was introduced a few years ago, and on the heels of that came concrete, reinforced concrete, hollow tile and concrete blocks. If a scheme that has had the attention of a man for many years materializes, and he says it will, houses built of porcelain will be the next seen in the suburbs of New York. This man is in the porcelain business and is of a family of porcelain makers and has had such a building in mind for forty years.

After years of experimenting he succeeded in making a porcelain tile strong enough for building purposes and soon will erect a house of porcelain. The tile will be built around the skeleton frame of a skyscraper. In other words, the house will have a skeleton frame of steel and the tile will be nothing more than a finish.

The tile will be an inch thick and of strength not expected of such brittle material as porcelain. It is a composition which has taken years to find, and the maker proposes to guard his secret. Besides strength and remarkable wearing qualities the porcelain house will be waterproof and steam proof. Except for the steel frame it will be porcelain. The walls, floors, ceilings, halls, stairs and everything else found in a well constructed dwelling will be porcelain.

It would be possible to wash down such a house with a hose every day if necessary. Not only will it be the most perfect house from a sanitary point, but it is said that it can be rebuilt cheaper and quicker than any other type of house at the present time.—“Building Age.”

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

P. J. and J. T. Whelan (O), 1013 Lincoln Building. Cost, \$130,000. Seventy-nine residences, brick, 15x65 feet, two stories, Second and Sheldon streets.

J. McBride (O), Broad and Moyamensing avenue. H. D. Prettyman (C), 2600 South Broad street. Cost, \$14,500. Four residences, brick, two stories, 17x72 feet, Broad and Oregon avenue.

Robert Williams (O), 6015 Chestnut street. J. P. Fisher (C), 5718 Market street. Cost, \$6000. Residence, 6024 Ludlow street.

H. M. Bright (O), 1216 North Thirty-fourth street, Camden. Cost, \$22,000. Seven dwellings, brick, two stories, 15x39 feet, Forty-fourth and Spruce streets.

A. Gallagher (O), 3706 Haverford avenue. Cost, \$22000. Residence, two stories, 16x45 feet, brick, 3706 Haverford avenue.

Jas. Stewart (O), 215 Monastery avenue. Cost, \$2500. Residence, brick, 16x44 feet, 353 Krames avenue, Roxborough.

Wm. Cramp & Sons (O), Beach and Ball streets. Hoffman Engineering and Construction Company, Philadelphia. Cost, \$4000. Brick, two stories, 77x65 feet, Palmer and Beach streets.

Max Cook (O), Seventy-seventh and Dicks avenue. Chas. Roberts (C), 7712 Chelwynde avenue. Cost, \$13,800. Two residences, brick, 7713-15 Dicks avenue.

J. K. Davidson Sons (O), 718 Sansom street. Metzger & Fisher (C), Denekla Building. Cost, \$45,000. Loft building, brick and concrete, six stories, 234x104 feet, 210 South Thirteenth street.

A. Storck (O), 7326 Second street pike. Cost, \$62000. Four residences, brick, two stories, 16x37 feet, Stanwick and E streets.

A. Rubin & Company (O), 1127 Thompson

street. Cost, \$37,500. Seventeen residences, brick, two stories, 16x50 feet, Fifty-seventh and Summer streets.

Geo. A. Allison (O); 423 West Cheltenham avenue. P. Elvidge & Son (C), 5522 Germantown avenue. Cost, \$11,000. Residence, brick, three stories, 21x71 feet, 5917 Greene street.

F. Schilling (O), 220 Northeast Boulevard. sCost, \$6000. Three residences, brick, two stories, 155x21 feet, Palethorp and Rockland streets.

S. Waxman (O), Seventh and Emily streets. S. Berger (C), 1950 North Sixth street. Cost, \$5400. Residence, brick, two stories, 17x46 feet, Marshall and Parrish streets.

Dr. G. Spavano (O), 3034 North Twenty-second street. P. DeGiacoma (C), 2046 West Clearfield street. Cost, \$1600. Residence, brick, two stories, 15x39 feet, Twenty-second and Toronto streets.

Jacob M. Faust (O), 4611 North Broad street. Cost, \$19,000. Six residences, brick, two stories, 16x46 feet, Camae and Somerville avenue.

C. E. McCormick (O), 3332 Howell street. Cost, \$1300. Residence, brick, two stories, 14x32 feet, Howarth and Dittman streets.

J. Strecker (O), Frankford avenue and Somerset street. John Forthingham (C), 3367 Frankford avenue. Cost, \$5000. Residence, brick, two stories, 20x28 feet, Frankford avenue and Somerset street.

Girard Estate (O), Lafayette Building. Cost, \$178,000. Thirty-four residences, brick, two stories, 16x54 feet, Twenty-second and Shunk streets.

Samuel H. P. Read (O), 4705 York road. Cost, \$3100. Residence, frame and stucco, 22x29 feet, Thirteenth and Medary avenue.

Alterations and Additions

Robt. V. Myers (O), 49 South Sixtieth street. M. L. Conneen (C), 2015 Outhbert street. Cost, \$1450. Residence, 49 South Sixtieth street.

M. J. M. Koffer (O), 1940 North Eleventh street. John Schuster (C), 35532 North Fifteenth street. Cost, \$1600. Residence, 1940 North Eleventh street.

Catherine Kephart (O), 133 Queen street. John Schuster (C), 3552 North Fifteenth street. Cost, \$1370. Residence, 133 Queen street.

Ed. Morrissey (O), 4347 North Seventh street. G. E. Boyle (C), 211 East Willow Grove avenue. Cost, \$800. Shed, 4347 North Seventh street.

American Ice Company (O), Sixth and Arch streets. Monaghan & Loebe (C), 214 South Twelfth street. Cost, \$4000. Stable.

M. Rosenbaum (O), 605 South Third street. H. Bramstein (O), 325 Fitzwater street. Cost, \$3000. Apartment house, 605 South Third street.

Geo. G. Allison (O), 423 West Cheltenham avenue. P. Elvidge & Sons (C), 5522 Germantown avenue. Cost, \$1800. Garage, 423 West Cheltenham avenue.

Chas. Schmidt (O), 915 Belmont avenue.

G. Stuhlman (C), 871 Belmont avenue. Cost, \$800. Residence, 915 Belmont avenue.

Emanuel G. Kolb (O), Fifteenth and Snyder avenue. Wm. Creelius, Jr., (C), 2347 South Eighth street. Cost, \$900. Office and storage, Fifteenth and Snyder avenue.

S. Matcansky (O), 3908 Girard avenue. B. Bornstein (C), 1510 North Franklin street. Cost, \$500. Residence, 3908 Girard avenue.

Estate of H. R. T. Baker (O), 403 Lafayette Building. F. T. Mercer Company (C), 1706 Delancey street. Cost, \$10,000. Warehouse.

M. De Victor (O), 1201 West End Trust Building. P. Goodman (C), 1942 North Twenty-second street. Cost, \$2450. Residence.

Mrs. McCartney (O), 2721 North Eleventh street. Kauffman Company (C), 824 West Huntingdon street. Cost, \$600. Residence, 2721 North Eleventh street.

E. S. Ward (O), 204 Lincoln Building. Chas. J. Platt (C), 1015 Arch street. Cost, \$8000. Store and residence.

Sas. Shaw (O), 701 South Fifty-seventh street. H. D. Prettyman (C), 2603 South Broad street. Cost, \$4000. Warehouse, 701 South Fifty-seventh street.

C. F. McGuigan (O), Nineteenth and Huntingdon streets. N. Canoe (C), 2127 Indiana avenue. Cost, \$2500. Garage, Nineteenth and Huntingdon streets.

A. Gillen (O), 228 Ritner street. Samuel Katz (C), 605 Morris street. Cost, \$500. Store and dwelling, 228 Ritner street.

Mary Cohen (O), 518 Pine street. Samuel Rosenberg (C), 716 Morris street. Cost, \$685. Dwelling, 118 Pine street.

Bardianna Haefner (O), Fifty-fifth and Hunter streets. Galen Hamperly (C), 120 South Forty-fifth street. Cost, \$2350. Residence, Fifty-ninth and Hunter streets.

Jas. F. Goodwin (O), 503 South Forty-sixth street. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$5800. Store and apartment, 503 South Forty-sixth street.

J. H. Williams (O), Ocean Grove, Pa. L. M. Williams (C), 1623 Porter street. Cost, \$4000. Storage, Ocean Grove, Pa.

Philadelphia Rifle Association (O), 1926 Green street. Keller Brothers (C), 450 Harmon street. Cost, \$3500. Apartment, 1926 Green street.

Geo. P. Franklin (O), 526 North Nineteenth street. J. Borden & Brother (C), 637 North Nineteenth street. Cost, \$725. Residence, 527 North Nineteenth street.

Gulf Refining Company, Fifty-eighth and Batonic avenue. John Ehmann (C), 1024 Cross street. Cost, \$2500. Barrel shed, Fifty-eighth and Batonic avenue.

Wm. Potter (O), 5521 Germantown avenue. J. Greenspun (C), 551 North Sixth street. Cost, \$1300. Residence, 5521 Germantown avenue.

Chas. N. Forsyth (O), 3417 North Sixteenth street. Cost, \$1500. Garage.

Church of the Redeemer (O), Chew and Penn streets. Harrison C. Rea Company (C), 1027 Wood street. Cost, \$8000. Church, Chew and Penn streets.

Dr. Chas. R. Haig (O), Nineteenth and Master streets. Woberton & Collins (C), Erdenheim, Pa. Cost, \$1000. Residence, Nineteenth and Master streets.

Jas. Devane (O), 427 Walnut street. Jos. F. Myers, Jr., & Company, 1237 Ridge avenue. Cost, \$800. Residence.

Jas. Neville (O), Sixty-second and Pine streets. John P. Fallon (C), 6036 Osage avenue. Cost, \$1300. Residence, Sixty-second and Pine streets.

Jas. F. McCombes (O), 5261 North Fifth street. F. D. Kramer Woodworking Company (C), Third and Cumberland streets. Cost, \$2000. Residence, 5261 North Fifth street.

Laura Bick (O), 2037 Howard street. Mathew Morrison & Son (C), 2322 North Howard street. Cost, \$600. Residence, 2037 Howard street.

Dr. H. H. Gay (O), 1685 North Fifty-fourth street. Belmont Iron Works (C), Real Estate Trust Building. Cost, \$600. Apartment, 1685 North Fifty-fourth street.

Thos. Campbell (O), Frankford avenue and Master street. Philip Doerl (C), 609 East Moyer street. Cost, \$850. Store and dwelling, Frankford avenue and Master street.

Samuel Roehman (O), 1207 South Twenty-seventh street. P. Cunningham Company (C), 2016 Alter street. Cost, \$725. Store and dwelling, 1207 South Twenty-seventh street.

Witerock B. Church (O), Forty-fifth and Fairmount avenue. Robt. M. Goff (C), 725 North Forty-fifth street. Cost, \$3000. Church.

M. E. Levering (O), Norristown, Pa. C. M. Swartley (C), 6835 Ridge avenue. Cost, \$550. Garage, Norristown, Pa. Cost, \$900. residence.

Geo. Fox (O), Eighty-sixth and Gibson avenue. H. M. Williams (C), Eighty-sixth and Gibson avenue. Cost, \$1000. Residence.

C. C. Horn (O), 1414 Susquehanna avenue.

D. H. Sharp (C), 724 Heed Building. Cost, \$1100. Residence, 1414 Susquehanna avenue.

W. H. and A. C. Margerison (O), Huntingdon and Jasper streets. Thos. M. Seeds, Jr., (C), 1207 Race street. Cost, \$5300. Factory.

G. Taylor Buisley (C), 185 East Walnut lane. H. H. Burrell (C), 206 South Quince street. Cost, \$2500. Residence, 185 East Walnut lane.

Mrs. P. Publicker (O), 3236 Arlington avenue. Jos. Sims Company (C), 1530 South Sixth street. Cost, \$800. Residence, 3236 Arlington avenue.

Chas. J. Weiss (O), 1201 Chestnut street. N. Lehman (C), 920 Wolf street. Cost, \$650. Residence, 1201 Chestnut street.

Miss Nina Lea (O), 2000 Walnut street. H. M. Kuter (C), 621 Sansom street. Cost, \$3500. Residence, 2000 Walnut street.

Philadelphia Electric Company (O), Tenth and Sansom streets. Keystone Paving Company (C), 320 Richmond street. Cost, \$600. Shed, Tenth and Sansom streets.

Strawbridge & Clothier (O), Eighth and Market streets. Chauncey Smith (C), 6114 Ross street, Germantown. Cost, \$600. Athletic field.

H. C. Ehlultz (O), 912 South Forty-eighth street. E. G. Ehlultz (C), 912 South Forty-eighth street. Cost, \$1500. Flat house, 912 South Forty-eighth street.

Limited Pressed Steel Company, Nineteenth and Clearfield streets. Cost, \$1000. Manufacturing building.

J. McGarrity (O), Fifteenth and South streets. H. D. Prettyman (C), 2603 South Broad street. Cost, \$1600. Saloon, Fifteenth and South streets.

G. A. Smith (O), Stephen Girard Building. Alex. Chambley (C), 243 South Tenth street. Cost, \$2800. Restaurant.

NEW FORM OF SLATE ROOFING.

What is known as "inlaid" slate is made from genuine roofing slate, the latter being sawn into small squares to secure flexibility, then assembled and mounted on a backing of strong roofing felt thoroughly embedded in a high melting asphalt mixed with sand at the proper temperature. The material is then cut into units containing 20 slates and is shipped in crates.

The materials entering into the manufacture of inlaid slate are well known to architects, engineers and builders for their enduring qualities in resisting the destructive action of the elements, and are no experiment whatever. They are combined in a practical form under necessary conditions of heat, etc., at the factory with the aid of special machinery, making practical roofing material for flat roofs.

The waterproofing for an inlaid slate roof, says the "American Roofer," is built up in the usual manner that has been in use for the past thirty years: lapping three sheets of single ply roofing felt and mopping each sheet well back under the lap with straight-run American coal tar pitch, each sheet being first nailed down about every 3 feet with tin caps. When the roof boards have to form the ceiling inside, such as in factories, an extra sheet of resin sized building paper is first put down over the roof boards with an inch lap before the tar paper is put on.

On comparison of weight of tile and inlaid slate it is found that a 6x9-inch tile weighs 4½ pounds; in laid slate, same size, weighs

25 ounces. A freight car loaded with tile weighing 60,000 pounds will cover 5,000 feet. The same car loaded with inlaid slate weighing 60,000 pounds will cover 16,000 feet.

The material is highly flexible, conforming easily to the shape of any roof, and can be cut to any size or shape with an inlaid slate cutter as easy as cutting a thin board with a sharp saw.—"Building Age."

NAMING BUSINESS BUILDINGS.

In the matter of the naming of business buildings more logic is used, the titles being, in the main, derived from either some historical landmark in the vicinity, the name of a prominent corporation, or the simple use of the street number. An example of the first instance can be had from the St. Paul Building, which is near the historic St. Paul's Church; the second example, such buildings as the Singer or Woolworth, while the third, No. 26 Broadway, might be cited.

Cases have been known where the mere changing of a name has made a failure into a success. This requires advertising and patience, but persistence has won in the long run. A case in point is that of an uptown apartment house having an essentially American name. It was changed to one having an English tinge, and the unfounded humor of an existent structural defect was stilled and the building filled up and became a paying investment. Another case was that of a building known by its street number, which never paid, although it was a good building and catered to the best clientele. When the name was changed to that of a great national reservation noted for its beauty the tide of patronage changed and it is to-day ranked among the big apartment house successes of the city.—"Real Estate Record."

PILING SLATE.

For the purpose of avoiding breakages in piling slate say 10x20, the following rules have been drawn up by the Standard Slate Corporation:

1. Lay strips, or preferable a board, so as to keep the slate from the ground and to keep the pile even, equalizing weight.
 2. Lay a pile of slates 10 inches high flat on the boards.
 3. Stand a row of slates on edge against this pile, allowing them to stand as nearly straight up and down as possible.
 4. Start the second tier with a pile 20 inches high of slates laid flat. This pile should be placed on the slates which stand on edge.
 5. Then put a row of slates as per rule No. 3, putting two rows of strips or laths underneath.
 6. Put a third tier on top. It is not wise to stack slate higher than three tiers.
 7. On top of the last tier lay a row of slates, laid flat. Cover these with two or three more rows, laid so as to cover the joints.
- This makes a good, solid pile, protected from getting dirty, and the breakage saving will more than pay for the care taken.

BORIC ACID IN PAINT.

A common difficulty experienced in painting glass is to get a uniform surface, and to prevent the oil from separating out from the color, especially when using reds, says the "Painters' Magazine." Not long ago this was brought to the attention of a chemist, who made some experiments and found that the use of five per cent. of boric acid in the thinners gave a beautiful, smooth and even color and one that appeared brighter than when linseed oil alone was used. While we cannot guarantee the results that will be obtained by the use of boric acid, it suggests a line of experimenting for painters and paint manufacturers that might be worth while to follow up. There may be other uses in paint mixing for which this material might be adapted. Remember that boric acid should be used, and not borax, for while the latter is a derivative of the former, the effect of the two is very often quite different. Boric acid, for example, will soften leather, while borax has a tendency to render it hard and brittle. Those who wish to experiment along these lines will be able to obtain boric acid at any drug store.

NEW YORK'S BUILDING OUTLOOK

According to some of the speakers at the recent dinner of the New York Building Material Dealers Exchange, Greater New York and vicinity is likely to witness greater prosperity in the building industries in 1915 than has been the case in several years past. Among the speakers was ex-State Senator John B. Rose, president of the Greater New York Brick Company, who voiced the prevailing sentiment in the following words:

"Building construction has not been what it should have been for almost a decade, but lately we have been noting a change for the better. Builders who have projects under way have been inquiring for prices for great quantities of materials, and in a tone that seems to imply an impending boom in the business.

"In addition, prices for building materials are away down. They are lower than they are likely to be again for a decade. It seems to us that it is the right time for building projects to go ahead."

Others who spoke noted signs of an increase in building activity. The men at the dinner represented interests which handle annually \$150,000,000 worth of building materials in New York City.

HEIGHT OF SINKS.

A prominent architect in New York recently wrote to an industrial partner:

"I wonder whether or not your attention has ever been called to the growing dissatisfaction among women, who are the most frequent users of these fixtures, especially of kitchen sinks, with this 'standard height,' and to the fact that such architects as are awake to new ideas are more and more specifying that these fixtures be set higher than

thirty inches, generally thirty-four or thirty-six inches?

"Women have strained their backs for years over low kitchen sinks, but are now rising in protest against a practice which is almost criminal in its indifference to the comfort of those who are forced to lean over when they might just as well stand straight. I presume it will be a generation before all the old sinks have been changed, but I sincerely hope it will not take that length of time to convince all the plumbers and plumbing supply houses that thirty-six inches is better than thirty for the height of sinks and lavatories, and that washtubs, too, as a rule, have been set too low."

"Architects and builders will be interested in learning that the Ceresit Waterproofing Company, Chicago, Ill., has established a New York office in the Architects' Building, 101 Park avenue. Space has also been taken with the Architects' Sample Company, where the products of the Ceresit Waterproofing Company are exhibited in a way tending to demonstrate their merits and with a view to giving the architect and his clients the information required in deciding upon the proper materials to use. R. E. Clarke, who is the New York manager, is a graduate of Columbia University, class of 1906, and is an experienced waterproofing engineer.

"The Architectural League of America announces a Medal of Honor for Architecture will be given by the league each year at its annual exhibition. This was decided at the February meeting of the Executive Committee. The following committee will determine the method of award: Edwin H. Blashfield, Isadore Konti, Calvin Meissling, with the league's president, Cass Gilbert, chairman. The league already gives Medals of Honor for painting and sculpture. The American Institute of Architects awards a medal once every few years. In England the Queen's Medal and in France the Grand Medal of Honor, given each year in the Salon, are much coveted by architects.

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.

A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.

It helps your biz',
And therefore is
A goodly thing to try.

Learn to advertise. If you feel unequal to the task of preparing the kind of copy you ought to have, let us prepare it for you. Advertising is our business. We are always glad to help men who are honest enough to concede that they do not know it all. And the service won't cost you a penny if you contemplate joining the army of "Guide" advertisers.

The business man who grudges a commission to an advertising agent who thinks "he can do it himself" is usually about as intelligent as he would be if he grudged the commission of the architect and decided to build his store for himself.

He would save the commission of the architect, but ruin the store.

This is the age in which one man DOES ONE THING. You can run your BUSINESS. Find a man who can RUN YOUR ADVERTISING.

No one suffers from a mean disposition like the fellow who has one.

DO IT NOW.

All we have is just this minute

Do It Now.

Find your duty and begin it

Do It Now.

Surely you're not always going

To be "a going to be," and knowing

You must sometime make a showing.

Do It Now.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. E. Wibbe & Son, 11th and Ontario sts.

Brick Renovating.

Aolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Contractors' Equipment

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Dampproofing

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.

and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

J. Reynolds & Son, 1615 Filbert st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Pelton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Liberty Stove Co., 114 N. 2nd st., Phila.

J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.

and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

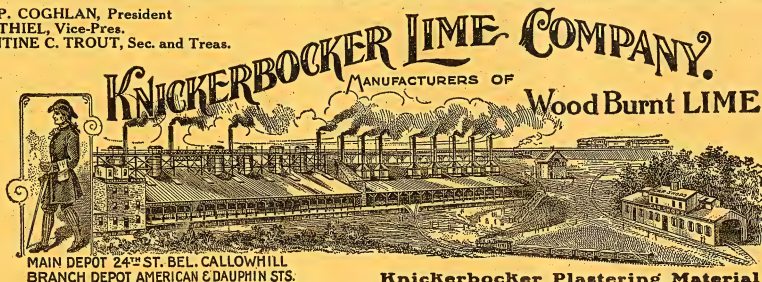
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY
112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."
Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 23.

PHILADELPHIA, WEDNESDAY, JUNE 9, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

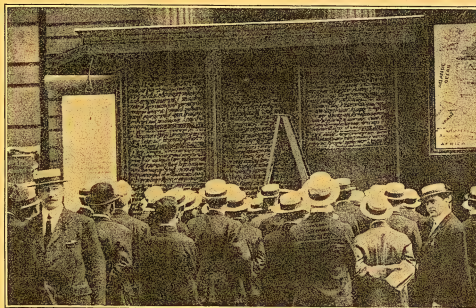
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

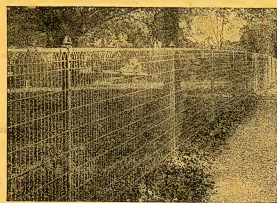
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



PHILADELPHIA FIRE RETARDANT CO.

1614 CHERRY STREET

PHILADELPHIA, PA.

Rolled Steel Sash and Doors, Steel Stairs, Saino Fire Doors and Shutters, Steel Rolling Doors, Kalamein Doors, Metal Windows

WATERPROOFING

A Complete Line of

Integral and Membrane
Waterproofings, Dampproofings
Floor Hardeners and
Technical Paints

MAY WE SOLVE YOUR PROBLEM?

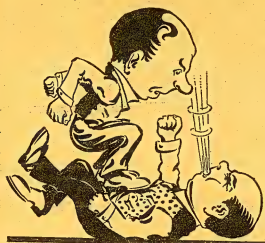
Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING
MATERIALS



"Get the Jump on
Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Do Not Forget

when in the market for

WIRE PRODUCTS

THAT WE MAKE EVERYTHING IN WIRE:

Wire Cloth all grades,
Wire Window Guards,
Wire Partitions and Enclosures,
Wire Lath for Plastering Purposes,
Radiator Guards,
Gravel, Sand and Coal Screens,
Sieves and Riddles,
Special Forms.

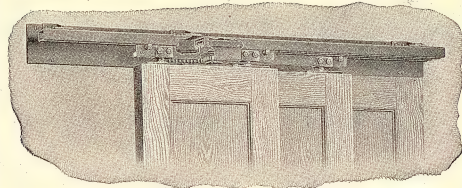
Strawbridge & Chase Co., Inc.
AUDUBON, N. J.

ROBERT T. KORB, Pres.
HENRY H. COLLINS, Vice-Pres.
WM. H. EGEE, Sec. & Treas.

At Your
Service

Keystone, Main 3597. Bell, Haddon Heights 573.

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

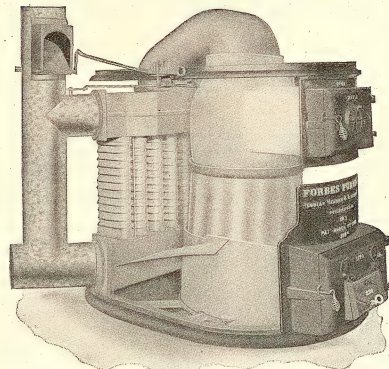
Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.
Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.
232 Quarry Street, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases. Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1511 Sansom Street, Philadelphia

SCAMMELL EXPANDED METAL LATH

(Formerly Roebbling)



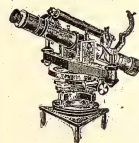
The only Expanded Metal Lath in Rolls
 Patented February 17th, 1914

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

USE SCAMMELL Lath for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal Furring and Lathing
 Land Title Bldg., Phila., Pa.



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sunshade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15 to \$115.

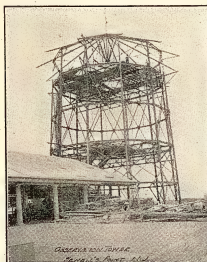
Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material
 1125 CHESTNUT ST., Philadelphia
 Phones: Bell, Filbert 3608, 3604. Keystone, Race 278



W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON WORK
 CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
 1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX. No. 23.

PHILADELPHIA, WEDNESDAY, JUNE 9, 1915.

Less than One Year,
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Church, Mascher and Tioga streets, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owners, Evangelical Lutheran Erlöscher Church, Mascher and Tioga streets. Stone, 1 story, slate roof, steam heating, electric lighting. Architect has received approximate bids.

Sunday School (alts.), Franklin street, above Race street, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owners, Zion Evangelical Lutheran Church, Rev. J. E. Nidecker, on premises. Consists of general alterations to interior. Plans about completed. Architect will take bids in a few days.

Recreation Buildings, Price and McMahon streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, City Hall, Philadelphia. Consists of recreation building, brick and terra cotta, 2½ stories, 77x140 feet, swimming pool and dressing rooms, 51x177 feet, slate and slag roof, dampproofing, metal lath, enameled bricks, iron stairs, metal lockers, composition flooring (heating, plumbing and electric work separate bids). Owners taking bids, due June 17th, at noon. Plans may be obtained from architect upon a deposit of \$25. The following are figuring: Doyle & Co., 1519 Sansom street; H. E. Batton, Twelfth and Sansom streets; A. R. Raff, 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; H. H. Wehmeyer, 1004 Lehigh avenue; W. W. Anstine & Co., 1218 Filbert street, Philadelphia.

Parochial School, Hutchinson and Cambria streets, Philadelphia. Architect, John A. Fischer, 3621 North Fifth street, Philadelphia. Owners, St. Bonaventura's R. C. Church, Rev. H. Hammeke, 2831 North Hutchinson street, Philadelphia. Brick, stone trimmings, 3 stories, 60x80 feet, slag roof, steam heating, electric lighting, slate blackboards. Owners taking sub-bids on all lines.

Apartment House, Wayne Junction, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick, 3 stories, 80x120 feet, slag roof, steam heating, electric lighting, oak floors, tile work. Plans in progress.

Residences (150), Ritner street, Fourth and Fifth streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Levick & Woldow, 1129 South Seventh street. Brick, 2 stories, slag roof, gas lighting. Plans in progress. Owners will soon take sub-bids.

Residences (75), Seventieth and Paschall avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Kleiman & Zorochoff, Sixtieth and Greenway avenue, Philadelphia. Brick, 2 stories, slag roof, steam and hot water heating. Plans in progress. Owners will take sub-bids soon.

Residences (12), Oak Lane, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Stone and frame and brick, 2½ stories, shingle and slate roofs, hot water heating, electric lighting, oak floors, tile work. Plans in progress.

Residences (20), Sixty-second and Christian streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, H. P. Anderson, 5642 Walnut street, Philadelphia. Brick, 3 stories, slag and tin roofs, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Owners will soon take sub-bids.

Apartment House, Forty-ninth and Walnut streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick, 4 stories, 40x100 feet, slag roof, steam heat, electric lighting, hardwood floors, tile work. Plans in progress.

Apartment House, Fortieth and Spring Garden streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick, 2 stories, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Flats (alts.), Fifty-fourth and Spruce sts., Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick, 2 stories, consists of remodeling seven residences into flats, slag roofs, hot water heat, electric light. Plans in progress.

Residences (4), Eleventh and Duncannon streets, Philadelphia. Architect, E. Allen

Wilson, 1208 Chestnut street, Philadelphia. Owner, William Moore, 1028 Duncannon st., Philadelphia. Brick, 2 stories, slag roofs, hot water heating, gas and electric lighting. Plans in progress.

Store and Residence (alt. and add.), 204 North Fifty-second street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, William S. Kean, on premises. Brick, 2 stories, 16x56 feet, consists of new store front and interior alterations, slag roof, metal lath, electric lighting, new hot water heating plant. Architect taking bids, due June 12th. The following are figuring: Lam Building Co., 1001 Wood street; Joseph Bird Co., 213 North Eleventh street; George Hogg, 1634 Sansom street; George A. Boyd, 211 East Willow Grove avenue; John F. Wolf, 726 North Forty-first street, all of Philadelphia.

Storage House (alt. and add.) Belfield and Walnut lane, Germantown. Architect, private plans. Owners, American Ice Co., 600 Arch street, Philadelphia. Brick and concrete, 120x80 feet, 1 story, 75 feet high, composition roof. Plans in progress.

Church (alts.), Tabor road, Olney, Pa. Architects, Morris & Erskine, Grozer Building, Philadelphia. Owners, St. James' M. E. Church, Rev. E. F. Randolph, 137 East Tabor road, Philadelphia. Consists of new gallery. Architects taking bids. The following are figuring: John F. Davies, Heel Building; F. L. Hoover & Sons, 1023 Cherry street; R. C. Ballinger & Co., 218 North Thirteenth street; Cornelius West, 1034 Herbert street, Frankford, Philadelphia.

Telephone Exchange (alt. and add.), Terrace and Grape streets. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of Pennsylvania, Thirteenth and Arch streets, Philadelphia. Brick, 47x26 feet, consists of additional story and interior alterations, slag roof, steam heating, electric lighting, waterproofing, metal lath, safety treads, metal doors, fire doors. Architect taking bids, due June 10th. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; F. L. Hoover & Sons, 1023 Cherry street; F. W. Van Loon, Denckla

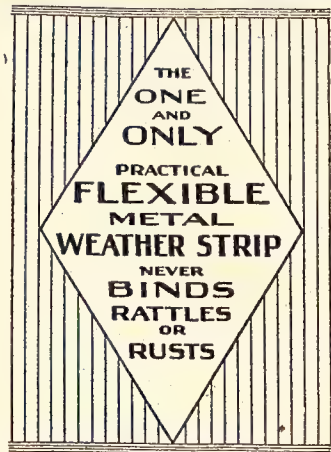
**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

**BLUE
PRINTS**

KEYSTONE PHONE, MAIN 437

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



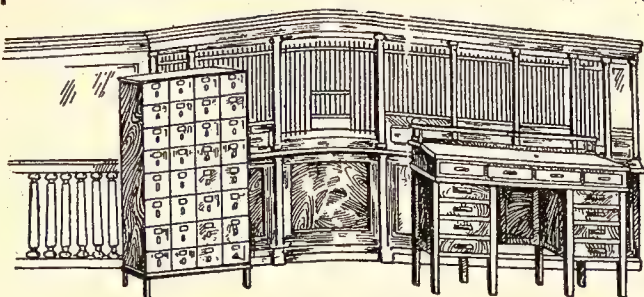
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

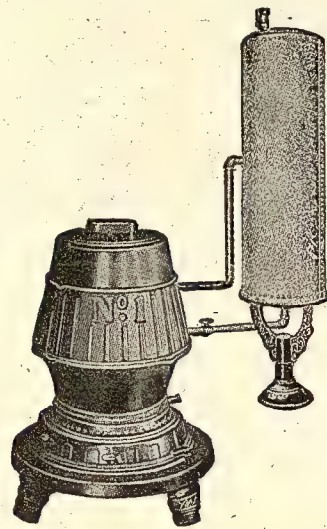
CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



Crown-Adelphia TANK HEATER

This wonderful little heater will furnish an abundance of **Hot Water** continuously day and night at the cost of a few cents per day.

Installed in the basement, it will not heat the kitchen in summer, and will keep your basement dry.

Furnished in four sizes, No. 1 and 2 recommended for ordinary family use.

CIRCULAR UPON REQUEST

BORDEN STOVE COMPANY

118-122 N. Second Street :: Philadelphia

INSTALLED AND GUARANTEED BY YOUR PLUMBER

Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Church, Tacony and Hegerman streets, Philadelphia. Architect, Rev. Clarence Larkin, 503 Hoffnagle street, Philadelphia. Owners, Tacony Baptist Church, Rev. George H. Tryon, 7020 Hegerman street. Stone and plaster, 1 story, 42x86 feet, slate roof (heating, plumbing, electric work reserved). Owners taking bids. Wilbert Beaumont, Stephen Girard Building, is figuring.

Office Building, 111-113 North Broad street, Philadelphia. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owners, Philadelphia Life Insurance Co., William H. Hubbard, Secretary, North American Building, Philadelphia. Brick, terra cotta and steel, fireproof, 5 stories, 32x84 feet, slag roof, steam heating, electric lighting, elevators. Builders, Doyle & Co., 1519 Sansom street, will take sub-bids as soon as plans are completed.

Factory (alt.), Third and Wood streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Janney & Burrough, 315 North Third street, Philadelphia. Brick, consists of installing new heating apparatus, new power plant and electric work. Architects taking bids, due June 9th. The following are figuring: H. E. Baton, Twelfth and Sansom sts.; H. H. Burrell, 206 South Quince street; Ketcham & McQuade, 1029 Brown street; W. R. Brown, 2145 East First street; Pomeroy Const. Co., 1609 Ranstead street; E. T. Bender, 6014 Torresdale avenue; William Easterbrook, 146 North Fourth street, Philadelphia.

School (adds.), Sixth and Wharton streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, William Dick, Secretary, City Hall. Consists of 2 wings, stone, 3 stories, slate roof, metal lath, metal weather strips, slate blackboards, glazed bricks, iron stairs, waterproofing (heating, plumbing and electric work separate bids). McCloskey & Bahls, Hale Building, submitted the lowest bid, \$81,825.

Schools (repairs), various locations, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, William Dick, Secretary. Consists of general alterations and repairs. Low bidders as follows: Huey School, Mitchell Bros., \$5,900; Widener School, H. E. Baton, Twelfth and Sansom streets, \$7,696; Rush School, E. C. Durell, \$10,670; Farragut School,

H. E. Baton, \$11,747; Nichols School, Mitchell Bros., \$8,500; West Philadelphia High School, Mitchell Bros., \$9,456; Close, School, E. H. Sturts, \$2,175.

Church (alt. and add.), 6601 Germantown avenue, Philadelphia. Architects, Charles F. Schaef & Co., 1524 Chestnut street, Philadelphia. Owners, Church of the Brethren, Rev. M. C. Swigart, 6611 Germantown avenue. Stone, 1 story, green slate roof (heating and electric work reserved). Architects have received bids.

Office Building, Thirty-second and Walnut streets, Philadelphia. Architect, Charles W. Denny, Hale Building, Philadelphia. Owners, Otto Gas Engine Works, on premises. Brick, 2 stories, 50x36 feet, slag roof, hot water heating, electric lighting, fire doors, oak office partitions, metal doors and windows, expanded metal lath, sprinklers, dampproofing. Revised plans in progress.

Twin Residence, Queen Lane Manor, Pa. Architect, S. D. Hawley, 2nd., 3122 West Penn street, Philadelphia. Owner's name withheld. Brick and rough cast, 2½ stories, 50x40 feet, slate roof, hot water heating, electric lighting, hardwood floors. Architect has received bids.

Police Station (alts.), 3330 North Front street, Philadelphia. Architect, Louis E. Marie, 825 City Hall. Owner, City of Philadelphia, Department of Public Safety, George D. Porter, Director, City Hall. Consists of general repairs. E. C. Durell, 1713 North Twenty-fourth street, submitted the lowest bid, \$2,459.

Laundry and Bakery (alts.), Holmesburg, Philadelphia. Architect, Louis E. Marie, 825 City Hall, Philadelphia. Owner, City of Philadelphia, Department of Public Safety, George D. Porter, Director, City Hall. Consists of alterations to roof, slate and slag roofing, iron trusses, painting, etc. Lowest bid submitted by E. C. Durell, 1713 North Twenty-fourth street, \$3,261.

Police Station, Thirty-ninth and Lancaster avenue, Philadelphia. Architect, Louis E. Marie, 825 City Hall, Philadelphia. Owner, City of Philadelphia, Department of Public Safety, George D. Porter, Director, City Hall. Consists of general repairs. Lowest bid submitted by E. C. Durell, 1713 North Twenty-fourth street, Philadelphia, \$3,376.

Store and Office Building (alts.), northwest corner Thirteenth and Sansom streets. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Louis Stecher, 420

UNITAS TILING

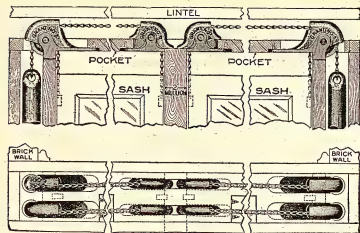
A non metallic substitute for tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

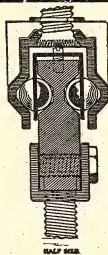
is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood,
concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Market street, Philadelphia. Brick and terra cotta, 6 stories, consists of new store fronts and interior alterations, steam heating, electric lighting. Architects have received revised bids.

Residences (16), Thirteenth and Wingohocking streets, Philadelphia. Architect, private plans. Owner, H. P. Schneider, 3715 Old York road. Brick, 3 stories, 16x56 feet, slag, slate and canvas roofs, hot water heating, electric lighting, tile work, oak floors. Owner taking sub-bids on all lines.

Residence, Fox Chase, Pa. Architect, E. D. Salter, 4907 Wynnefield avenue, Philadelphia. Owner, Dr. F. C. Emrey, Second street Pike, Fox Chase, Pa. Stone and stucco, 2½ stories, shingle roof, hot water heating, gas and electric lighting, tile work. Owner taking bids. The following are figuring: J. Paul Emrey, North Wynnefield, Pa.; Joseph Ashby, Second street pike, Fox Chase; W. John Stevens, Wyncote, Pa.

Church, Indiana avenue and Almond street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, St. George's P. E. Church. Stone, 1 story, steam heating, electric lighting. Plans in progress.

Garage, rear of 6142 Nassau street, Philadelphia. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, W. B. Ruston, Bulletin Building, Philadelphia. Brick, 1 story, 18x20 feet, cement floors, electric lighting, hot water heating. Plans in progress.

Store and Residence and Garage, 1736 South Second street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick, stone trimmings, 2 stories, 18x65 feet and 18x32 feet, slag roofs, hot water heating, electric lighting. Plans in progress. Architect will take bids in one week.

Stores (alts.), 510 North Second street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Consists of interior alterations and new store fronts. Brick, 2 stories, 18x75 feet, slag roof. Plans in progress.

Apartments (alt. and add.), Sixteenth and Master streets, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick, 3½ stories, 22x83 feet, slag roof, vapor vacuum heating, electric lighting, oak floors. Architect tak-

ing bids, due June 4th. B. Bernstein, 412 South Fifth street, is figuring (only bidder).

Warehouse, Delaware avenue and Pine street, Philadelphia. Architect, private plans. Owners, Pennsylvania Warehousing and Safe Deposit Co., 113 South Third street, Philadelphia. Reinforced concrete, 8 stories, 58x119 feet, slag roof, carborundum treads, steel sash, kalamein doors, rolling steel shutters, fire doors (electric work and elevator reserved). Owners have received bids.

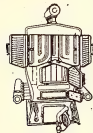
Bank and Office Building, 1416-1418 Chestnut street, Philadelphia. Architects (associated), Furness, Evans & Co., Provident Building, Philadelphia, and McKim, Meade & White, 101 Park avenue, New York City. Owners, Franklin National Bank, Franklin Building, Philadelphia. Brick, stone and steel, fireproof, bank building 1 story, 54x64 feet; office building, 16 stories, 166x54 feet, composition roof, steam heating, power plant, elevators, tile and marble work, electric lighting. Plans about completed. Architects expect to take bids soon.

Residence, Broad and Dauphin streets, Philadelphia, \$10,000. Architects (associated), E. Allen Wilson and S. K. Neubauer, 1208 Chestnut street, Philadelphia. Owner, L. Harrison, 2258 North Broad street, Philadelphia. Brick, 3 stories, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Storage House, American and Cambria sts., Philadelphia. Architect, private plans. Owners, American Ice Co., 600 Arch street, Philadelphia. Brick and concrete, 120x360 feet, 1, 2 and 3 stories, composition roofs. Plans in progress.

Store and Warehouse (alts.), 30 to 34 South Thirty-sixth street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Lessees, Wilkison Bros. & Co., on premises. Brick, 4 stories. Consists of strengthening of all floors. Architects taking bids, due June 12th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; McIver Construction Co., Heed Building; Smith-Hardican Co., 1608 Cherry street; H. E. Baton, Twelfth and Sansom streets; Freund-Seidenbach Co., Bulletin Building; Thos. M. Seeds, 1207 Race street; John N. Gill & Co., Heed Building, F. L. Hoover &

==MILLS==



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

Best by test.

Ask for information

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

C. G. A. SCHMIDT, JR. & CO.
EMPIRE BUILDING, PHILA. PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

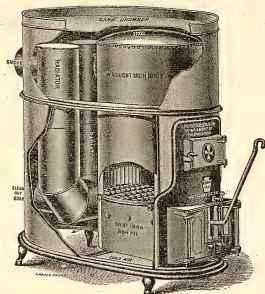
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Our entire staff of experts is at your service to co-operate in the planning of gas installations for any operation work.

Whether your requirements involve installation of All-Gas Kitchens or the piping of houses for illumination, we are ready to serve you.

Call up our "Builders and Operators Division."

Telephones

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

Sons, 1023 Cherry street; A. R. Raff, 1635 Thompson street.

Residence, Germantown, Philadelphia. Architect, Charles Barton Keen, Bailey Building. Owner, Dr. Jos. Head, 1500 Locust street, Philadelphia. Stone, 2½ stories, 27x70 feet, shingle roof, vapor vacuum heating, electric lighting, oak floors. Plans about completed. Architect will take bids in a few days.

Club House (alt. and add.), 1223 Locust street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street. Owner, Princeton Club of Philadelphia, 1521 Sansom street, Philadelphia. Brick, 4 stories, 18x20 feet, slag roof, oak floors, dumb-

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

waiters, safety treads, tile work, waterproofing, metal frames and doors (heating, electric work, hardwood floors, reserved). Architects taking revised bids, due June 9th. The following are figuring: F. B. Davis, 240 North Sixteenth street; Stacy Reeves & Sons, 2011 Market street; Freund-Seidenbach Cont. Co., Bulletin Building; T. C. Trafford, 1613 Sansom street.

Distilling Building (alt. and add.), Delaware avenue and Tasker street. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner Berg Distilling Co., on premises. Brick and reinforced concrete, 4 stories, 28x36 feet, slag roof, electric lighting. Architects taking bids, due June 14, 2 P. M. Jos. Levin, 1530 South Sixth street; Turner Concrete Steel Co., 1613 Sansom street; Lam Building Co., 1001 Wood street; Smith-Hardican Co., 1606 Cherry street; Chas. Gilpin, Harrison Building; Standard Const. Co., Drexel Building; Armstrong & Latta, Land Title Building, are figuring.

Church (alts.), Twelfth and Spring Garden streets, Philadelphia. Architects, E. F. Durang & Son, Twelfth and Chestnut streets, Philadelphia. Owner, R. C. Church of the Assumption, Rev. James J. Smith, on premises. Consists of alterations to Sacristy, and new boys' room. Architects taking bids. Wm. R. Dougherty, 1610 Sansom street, Philadelphia, is figuring (only bidder).

Market House, 854-56 North Marshall street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, Charles Ellman, 314 North Second street, Philadelphia. Brick, concrete and steel, 1 story, 22x100 feet, slag roof, electric lighting, concrete floors. Architect taking bids, due June 9th. Geo. Hogg, 1634 Sansom street; Stacy Reeves & Sons, 2011 Market street; Supplies Const. Co., Bulletin Building; Bailey-Lush Co., Abbott Building, Philadelphia, are figuring.

Store (alts.), Northeast corner Thirtieth and Chestnut streets, Philadelphia. Architects, Guy King & Co., 1513 Walnut

street, Philadelphia. Owner, Godfrey S. Mahin, Northeast corner Eleventh and Chestnut streets, Philadelphia. Consists of new bulk windows and interior alterations, electric lighting, tile work, store fixtures. Plans in progress.

Loft Building, Southeast corner Ninth and Sansom streets, and 825 Walnut street. Architect, Frederick Webber, Morris Building, Philadelphia. Agent, Samuel J. Henderson, Morris Building, Philadelphia. Brick and concrete, 8 stories, slag roof, steam heating, electric lighting, elevators. Plans in progress.

Meeting House (alts.), School Lane, Germantown. Architects, Heacock & Hockanson, Bailey Building, Philadelphia. Owner, Greene Street Friends' Meeting, on premises. Consists of new open air room and interior alterations (heating, separate bids). Architects taking bids, due June 14th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; A. R. Raff, 1636 Thompson street; Barclay White & Co., Perry Building; H. S. Rea Co., 1027 Wood street; Supplies Construction & Contracting Co., Bulletin Building, Philadelphia.

Residence and Garage, Overbrook, Philadelphia. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 30x50 feet, Garage, 2 stories, 24x28 feet, slate roofs, oak floors, tile work (plumbing, heating, electric work and painting, reserved). Architect taking bids, due June 10th. The following are figuring: E. J. Hedden, Finance Building; Milton W. Young, Overbrook, Pa.; W. D. Smedley, Narberth, Pa.; J. D. Lengel, Wayne, Pa.

Garage, Overbrook, Philadelphia. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, name withheld. Stone and plaster, 2 stories, 22x25 feet, slate roof (plumbing, painting and electric work, reserved). Architect taking bids, due June 10th. The following are figuring: E. J. Hedden, Finance Building, Philadelphia; Milton W. Young, Overbrook, Pa.; W. D. Smedley, Narberth, Pa.; J. D. Lengel, Wayne, Pa.

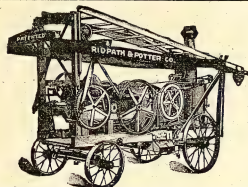
Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Church, Fifty-fourth and Walton streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Wharton Street Methodist Episcopal Church, care of Rev. E. W. Stillman, 5335 Catherine street, Philadelphia. Stone, 2 stories, 80x150 feet, slate roof, electric lighting, steam heating. Contract awarded to Frank E. Wallace, 1210 Sansom street, Philadelphia.

Residence (alt. and add.), 3820 Locust st., Philadelphia. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owner, Charles M. Ghissey, Jr., 506 Commerce st., Philadelphia. Brick, 3 stories, slate and slag roof, electric lighting, steam heating, tile work. Contract awarded to H. E. Grau Co., 1709 Sansom street, Philadelphia.

Garage, 506 North Broad street, Philadel-



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

phia, \$3,500. Architect, private plans. Owner, R. Wistar Harvey, 125 South Fifth street, Philadelphia. Brick, 2 stories, slag roof, electric lighting. Contract awarded to James Johnston, 1721 Ludlow street, Philadelphia.

Church, Twenty-fifth and Indiana avenue, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, East Park Presbyterian Church, Rev. Howard C. Cooper, 2214 North Twenty-fifth street, Philadelphia. Stone, 1 story, 40x84 feet, slate roof, steam heating, electric lighting. Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Offices (alt. and add.), 1508 Walnut street, Philadelphia. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owners, Joshua L. Bailly & Co., 30 South Fifteenth st., Philadelphia. Brick and stone, 3 stories, consists of remodeling residence for offices, tin roof, fire escapes, expanded metal lath, oak floors (electric light, heating, plumbing, tile work, hardwood floors reserved). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Garage, 1844 North Park avenue, Philadelphia. Architect, Otto C. Wolf, Denckla Building, Philadelphia. Owner, Dr. George S. Fuller, 1715 North Twelfth street, Philadelphia. Brick, 2 stories, 25x33 feet, slag roof, steam heat, electric light, cement floors. Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

Sunday School, Sixteenth and Wingohocking streets, Philadelphia, \$16,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Mt. Vernon Reformed Church, Rev. C. B. Alspach, 1538 Wingohocking street, Philadelphia. Stone, 2 stories, slate roof, steam heating, electric lighting, tile work. Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Club House (alt. and add.), Camac street, south of Walnut street, Philadelphia. Architect, Francis G. Caldwell, Stephen Girard Building, Philadelphia. Owners, Philadelphia Sketch Club, 235 South Camac street, Philadelphia. Brick 2 stories, addition 16x30 feet, tin roof, dampproofing (heating reserved). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Store and Apartments (alt. and add.), Eighth and York streets, Philadelphia. Architects, Guy King Co., 1519 Walnut street, Philadelphia. Owner, Mrs. A. C. Granlick, Eighth and Germantown avenue, Philadelphia. Brick, 3 stories, 20x75 feet, slag roof, electric lighting, steam heating. Contract awarded to H.

H. Wehmeyer, 1004 West Lehigh avenue, Philadelphia.

Parochial School, Queen and Morris streets, Germantown. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, St. Catharine's School, care Sisters of the Blessed Sacrament, Cornwalls, Maud P. O., Pa. Brick, stone trimmings, 2 stories, 48x80 feet, slate and slag roof, electric lighting, composition flooring, slate blackboards, kalamain doors, steel windows, hot water or steam heating. Contract awarded to Murphy & Co., 263 South Tenth street, Philadelphia.

School (alt. and add.), Greene street and School Lane, Germantown. Architect, Morris Erskino, Crozer Building, Philadelphia. Owner, Germantown Friends' School, Greene street and School Lane, Germantown. Brick and plaster, third story addition, 60x180 feet (electric lighting and heating, reserved). Contract awarded to W. J. Grubler, 219 High street, Germantown.

Stable (alts. and add.), 254 South Sixth street, \$20,000. Architect, Louis Carter Baker, 34 South Seventeenth street, Philadelphia. Owner, Central News Co., 614 Locust street, Philadelphia. Brick, 3 stories, slag roof, steam heating, electric lighting. Contract awarded to J. P. Thompson, Real Estate Trust Building, Philadelphia.

Residence, Fifty-second and Wynnefield avenue, \$30,000. Architect, A. H. MacIntire, 5717 Hazel avenue, Philadelphia. Owner, Wm. H. Enberg, 1927 North Broad street, Philadelphia. Stone, 3 stories, 53x58 feet, slag roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to James C. Enberg, 5634 Larchwood avenue, Philadelphia.

Pennsylvania Construction News

High School, Kingston, Pa., \$125,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Board of Education, Kingston, Pa. Brick and terra cotta, 3 stories, 186x69 feet, slag roof, metal lath, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due June 14th.

School Building, Glen Lyon, Pa. Architect,



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag

Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTD 1858

WOOD WORK OF QUALITY



**Mill Work
Saw Work Cabinet Work
Flooring**

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings

New Illustrated Catalogue No. 1432 mailed on request

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

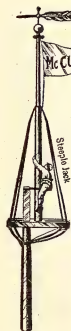
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa. 210 Fulton Street, New York City
88 and 96 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.

PHILADELPHIA

VALVES
AND
SCALESFLAG POLES
and Fittings

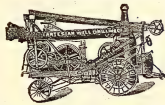
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A

Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

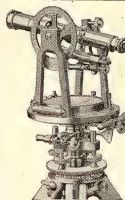
Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
308 Chestnut St., Phila.



ANOTHER TRIUMPH for a PHILA. MADE PRODUCT

The BUREAU OF SURVEYS, CITY OF PHILA. has adopted as a standard our STERLING PRECISION TRANSIT.

This endorsement by such HIGH AUTHORITY, should be YOUR GUARANTEE of the SUPREMACY, ACCURACY, EXCELLENCE of DESIGN and WORKMANSHIP, SIMPLICITY and PRACTICAL VALUE of

"STERLING" INSTRUMENTS

Our New Models are now on exhibition, and as you will find it WORTH WHILE to examine them, WE INVITE YOU TO CALL and GET ACQUAINTED!

WARREN-KNIGHT CO.

FACTORY AND SALESDROM
136 N. 12th Street PHILADELPHIA

Rebuild
Instruments
For Sale
or Rent

Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, School Board, care of Joseph Dzialdowski, Secretary, Glen Lyon, Pa. Brick, 2 stories, 60x80 feet, slag roof, steam heating, electric lighting, metal ceilings. Plans about completed. Owners will take bids in a few days.

School, Harford, Pa., \$10,000. Architect, Percival J. Morris, Burr Building, Scranton, Pa. Owners, School Board, care of W. S. Sophia, Harford, Pa. Frame, 2 stories, 70x52 feet, slag roof, steam heating, electric lighting, metal lath, slate blackboards. Owners have received bids.

Club House, Bloomsburg, Pa. Architects, Brice Hayden Long Co., Miners' Bank Building, Wilkes-Barre. Owners, Country Club, care of Dr. R. E. Miller, Bloomsburg, Pa. Stone and frame, 1½ stories, 100x60 feet, shingle roof, steam heating, electric lighting, artesian well and pump. Plans in progress.

Hotel (alt. and add.), Hazleton, Pa. Architects, Brice Hayden Long Co., Miners' Bank Building, Wilkes-Barre. Owners, Central Hotel, Hazleton, Pa. Brick and stucco, 5 stories, 156x60 feet, slag or asbestos roof, electric lighting, metal lath. Architects have received bids.

Church and Rectory, Nanticoke, Pa., \$60,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, St. Joseph's R. C. Church, Rev. John Sobota, Nanticoke, Pa. Brick and terra cotta, 1 story and 2½ stories, 56x130 feet and 34x43 feet, asbestos shingle roof, steam heating, electric lighting, metal lath. Plans in progress.

Stroes and Apartments (alt. and add.), Edwarsville, Pa. Architect, George P. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, Duda Estate, Edwarsville, Pa. Brick, 1 story, 35x50 feet, slag roof, steam heating, electric lighting, metal lath. Plans in progress.

Administration Building, Newtown Square, Pa., \$50,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Garrett Williamson Lodge, North American Building, Philadelphia. Stone, 2½ stories, 55x165 feet, slate roof, metal lath, maple floors, tile work (heating and electric work reserved). Architect has received revised bids.

Department Store, Pottsville, Pa. Architect, Frank X. Reilly, Pottsville, Pa. Owners, J. Miehele & Son, Inc., Pottsville, Pa. Brick, steel and terra cotta, fireproof, 3 stories, 55x230 feet, slag roof, metal lath, metal frames and sash, dampproofing (heating, plumbing, electric work, elevators, sprinkler system separate bids). Owners taking bids, due June 12th. Smith-Hardican Co., 1606 Cherry street, and Metzger & Fisher, Denckla Building, and Doyle & Co., 1519

Sansom street, Philadelphia, are figuring.

Club House (alt. and add.), Hazleton, Pa. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owners, Hazleton Country Club, Hazleton, Pa. Frame and concrete, 1 story, 18x30 feet, slag roof, electric lighting, metal lath, metal lockers, shower baths. Plans in progress.

Picture Theatre, Wilkes-Barre, Pa., \$7,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre. Owner, Thomas Bowen, 659 South Main street, Wilkes-Barre. Brick and terra cotta, 1 story, 33x92 feet, slag roof, indirect steam heating, electric lighting, concrete floors, metal lath, damp-proofing. Plans in progress.

Church, Wilkes-Barre, Pa., \$10,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre. Owners, Second Primitive Methodist Church, care of Rev. A. Iveson, Wilkes-Barre, Pa. Frame, 1 story, 46x60 feet, asbestos shingle roof, steam heating, electric lighting, metal lath, dampproofing and water-proofing. Architect has received bids.

Store and Apartment House, Carbondale, Pa., \$24,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, Dr. M. E. Nealon, Carbondale, Pa. Brick or hollow tile and plaster, 5 stories, 34x80 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

Town Hall, Blakely Borough, Pa., \$15,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, Blakely Borough, Pa. Brick, 2 stories, 40x49 feet, slate roof, steam heating, electric lighting, fireproofing. Owners taking bids, due June 14th.

Residence, Aldan, Pa. Architect, H. M. Pedrick, P. O. Building, Darby, Philadelphia. Owner, Richard Higson, 114 South Second street, Colwyn, Pa. Stone and stucco, 2 stories, 18x38 feet, shingle roof, gas and electric lighting. Owner taking bids. The following are figuring: Julius Nelson, Darby; Daniel Gatsball, Darby; Clifton Hansen, East Lansdowne, and Peter Houseman, Colwyn, Pa.

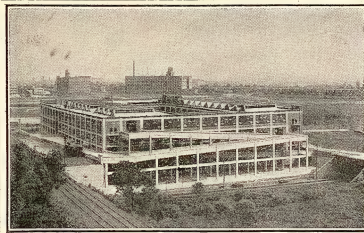
Club House and Addition, Philadelphia, Pa. Architect, H. M. Pedrick, P. O. Building, Darby, Pa. Owner's name withheld. Brick, 3 stories, slag roof, 42x86 feet, electric lighting, tile floors, steam heating. Architect taking bids. E. E. Hollenback, Fifteenth and Race streets; A. Whitehead, Inc., 1624 Latimer street, Philadelphia, and George W. Tipping, Huntingdon Valley, Pa., are figuring.

Rectory, Conshohocken, Pa. Architect, private plans. Owners, R. C. Church of Saints Comas and Domian, Conshohocken, Pa. Brick and stone, 2½ stories, 20x50 feet, slate roof (heating reserved). Owners taking bids, due

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{2}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS
Commonwealth Bldg. - Philadelphia

June 15th. William R. Dougherty, 1610 Sansom street, Philadelphia, is figuring.

Garage and Cottage, Bala, Pa., \$6,000. Architect, Louis Carter Baker, 34 South Seventeenth street, Philadelphia. Owner, Miss Miriam W. Roberts, Bala, Pa. Brick and frame, 2 stories, 59x34 feet, shingle or slate roof, electric lighting (heating and gasoline storage system reserved). Builder, J. P. Thompson, Real Estate Trust Building, Philadelphia, is taking sub-bids.

Bank Building, Scranton, Pa., \$250,000. Architects, B. P. Belis & R. Snyder, 516 Spruce street, Scranton, Pa. Owners, First National Bank, Scranton, Pa. Marble, 2 stories, 60x100 feet, slag roof, indirect steam heating, electric lighting, cork and marble floors, metal lath, waterproofing and dampproofing, steel sash, bronze doors and grilles, iron stairs, vaults, banking fixtures. Architects have received bids and will award contract June 11th.

Residence, White Haven, Pa., \$8,000. Architect, Henry A. Maier, Coal Exchange Building, Wilkes-Barre. Owner, Elwell Stockdale, White Haven, Pa. Frame, 2 stories, 40x34 feet, shingle roof, steam heating, electric lighting, hardwood floors, tile work. Architect ready for bids.

Residence, Exeter, Pa., \$4,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton. Owner, B. Wruble, Exeter, Pa. Frame, $2\frac{1}{2}$ stories, 32x32 feet, asbestos shingle roof, steam heating, gas and electric lighting. Owner taking bids.

School, Sugar Notch, Pa., \$40,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, School Board of Sugar Notch, Pa. Brick and terra cotta, 2 stories, 94x80 feet, slag roof (steam heating, plumbing, electric work, separate bids), metal lath, waterproofing, dampproofing, slate blackboards. Owners received bids June 7th.

Store and Residence, Luzerne, Pa., \$10,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Mrs. Celia Spiegel, Luzerne, Pa. Frame and stucco, 2 stories, 40x75 feet, slag roof, steam heating, electric lighting, metal lath, metal ceilings. Owner taking bids.

Residence, Scranton, Pa., \$15,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, David Harris, Scranton, Pa. Stucco, $2\frac{1}{2}$ stories, 35x50 feet, tile roof, steam heating, electric lighting, hardwood floors, tile work, metal lath, waterproofing, dampproofing. Revised plans in progress.

Apartment House, Scranton, Pa., \$5,000.

Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, T. J. Lennis, Scranton, Pa. Frame, 2 stories, 20x58 feet, slag roof, steam heating, gas and electric lighting. Architect has received bids.

Boiler House and Machine Shop, Kingston, Pa., \$10,000. Architect, George S. Welsh, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Crane Bros., Inc., Kingston, Pa. Brick, 1 story, 28x60 feet, slag roof, electric lighting, concrete floors. Architect ready for bids.

Apartment House, Scranton, Pa., \$15,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owner, Peter F. Lalley, 328 Pittston street, Scranton, Pa. Brick and frame, 3 stories, 45x60 feet, slag roof, steam heating, electric lighting. Plans in progress.

Apartment House, Taylor, Pa., \$10,000. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, M. M. Williams, Taylor, Pa. Frame, 2 stories, 36x64 feet, slag roof, steam heating, electric lighting. Architect taking bids, due June 15th.

Apartment House, Scranton, Pa., \$6,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Jacob Mechlovitz, 831 Jefferson avenue, Scranton, Pa. Frame and stucco, $2\frac{1}{2}$ stories, 54x50 feet, slag roof, steam heating, electric lighting, metal lath. Architect taking bids, due June 10th.

Residence (alt. and add.), Olyphant, Pa. Architect, Lewis Hancock, Jr., Coal Exchange Building, Scranton, Pa. Owner, E. C. Owens, Olyphant, Pa. Hollow tile, frame and stucco, $2\frac{1}{2}$ stories, 30x45 feet, shingle roof, steam heating, electric lighting, hardwood floors, cabinet work, metal lath. Owner taking bids.

Residence, Scranton, Pa., \$7,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, E. G. Whitmore, 748 Harrison avenue, Scranton, Pa. Frame, $2\frac{1}{2}$ stories, 30x38 feet, shingle roof, steam heating, electric lighting, tile work. Architect taking bids, due June 10th.

Residence, Scranton, Pa., \$8,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, M. J. Smith, Scranton, Pa. Hollow tile and stucco, $2\frac{1}{2}$ stories, 32x38 feet, slate roof, steam heating, electric lighting, tile work. Architect taking bids, due June 17th.

Schools (6) (alts.), Dunmore, Pa., \$20,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Board of Education, Dunmore, Pa. Consists of new class rooms. Plans in progress.

Church, Throop, Pa., \$35,000. Architect, J.

J. Howley, Traders' Bank Building, Scranton, Pa. Owners, St. Anthony's R. C. Church, Rev. R. A. Wieszolawski, Throop, Pa. Brick, 1 story, 56x130 feet, slate roof, steam heating, electric lighting. Plans in progress.

Garage, Blakely, Pa., \$3,000. Architect, J. J. Howley, People's Bank Building, Scranton, Pa. Owner, J. W. Jordan, Blakely, Pa. Brick, 1 story, 24x36 feet, slate roof, electric lighting. Plans in progress.

Residence, Drexel Hill, Pa. Architect, E. M. Van Voorhees, Hale Building, Philadelphia. Owner, R. B. Rulon, care of architect. Hollow tile and plaster, $2\frac{1}{2}$ stories, 20x40 feet; wing, 19x20 feet, slate roof, electric lighting, hot water heating, oak floors. Architect taking sub-bids.

Bungalow, Lansdale, Pa., \$4,000. Architect, M. B. Bean, Lansdale, Pa. Owner, John L. White, Lansdale, Pa. Brick, 2 stories, 33x35 feet, asbestos shingle roof, hot air heating, electric lighting, gas grates. Plans in progress.

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., YORK : PA.

HARTMAN BLDG.

Twin Residences (2), Lansdale, Pa., \$10,000. Architect, M. B. Bean, Lansdale, Pa. Owners, Lansdale Building and Loan Association, Irvin Ambler, Secretary, Lansdale, Pa. Brick, 3 stories, 40x45 feet, slate roofs, hot water heating, electric lighting, gas grates. Owners are sub-letting all contracts.

Residence, Center Point, Pa., \$3,000. Architect, M. B. Bean, Lansdale, Pa. Owner, H. L. Sanders, Center Point, Pa. Brick, 2 stories, 25x35 feet, slate roof. Owner is taking bids.

Bungalow, West Point, Pa., \$3,500. Architect, M. B. Bean, Lansdale, Pa. Owner, Edward Hallmeyer, West Point, Pa. Hummelstown bricks, 1½ stories, 30x35 feet, shingle roof, electric lighting. Owner is taking bids.

School (add.), Fairview, Pa. Architect, M. B. Bean, Lansdale, Pa. Owners, School Board, care of Amos Schultz, Secretary, Center Point, Pa. Brick, 1 story, 70x50 feet, asbestos shingle roof, slate blackboards (warm air heating system and plumbing separate bids). Owners taking bids, due June 10th.

Church (alt. and add.), Goshoppen, Pa. Architect, M. B. Bean, Lansdale, Pa. Owners, Reformed Lutheran Church, care of William Hilderbittel, Goshoppen, Pa. Stone, 1 story, 80x42 feet, asbestos shingle roof, steam heating, metal ceilings. Owners are sub-letting all contracts.

Residences (3), Bryn Mawr, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Frank Mauman, Land Title Building, Philadelphia. Stone and plaster, 2½ stories, 25x58 feet and 50x53 feet and 42x49 feet, shingle roofs, oak floors, electric lighting, tile work, composition flooring, vapor vacuum heating. Owner taking bids, due June 10th. The following are figuring: J. S. Cornell & Sons, Land Title Building; E. J. Helden, Finance Building; Elfreth & Wood, 1708 Sansom street; A. L. Pretz & Son, 1222 Chancellor street; Metzger & Fisher, Denckla Building; Specht & Sperry, Heed Building, all of Philadelphia.

Church (alt. and add.), Quakertown, Pa., \$20,000. Architect, A. Oscar Martin, Doylestown, Pa. Owners, First Reformed Church, J. J. Afflebach, chairman Building Committee, Quakertown, Pa. Stone, brick and terra cotta, 1 story, 30x55 feet, slate roof (vapor heat-

ing and electric work reserved). Owner taking bids.

Residence, Doylestown, Pa., \$8,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Eugene Shuman, Doylestown, Pa. Hollow tile and stucco, 2½ stories, 43x33 feet, variegated slate roof, vapor heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence (alt. and add.), Point Pleasant, Pa., \$6,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, John M. Howarth, Point Pleasant, Pa. Frame and stucco, 3 stories, 36x27 feet, slate roof, metal lath, tile work, hardwood floors, cabinet work. Owner is sub-letting all contracts.

Residence, Lansdowne, Pa. Architects, Shore & Dodge, Lansdowne, Pa. Owners, C. A. Becker, care of architects. Hollow tile and plaster, 2½ stories, 30x40 feet, shingle roof, hot air heating, electric lighting. Plans about completed. Architects will take bids in a few days.

Residence, Downingtown, Pa. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Ellis Y. Brown, Jr., Downingtown, Pa. Stone, 2½ stories, 36x38 feet, wing 25x20 feet, shingle roof, oak floors, electric lighting (warm air heating and plumbing, separate bids). Architects taking bids, due June 15th. The following are figuring: John J. Murphy & Co., 1139 South Wilton street; Robert Baxter & Sons, 1732 Ionic street, both of Philadelphia; Chandler P. Shaw, K. F. D. No. 3, West Chester, Pa.; Geo. H. Fisher, Downingtown, Pa.; Wm. W. Moore, Downingtown, Pa.

Residence (alt. and add.), Rosemont, Pa. Architects, Evans & Warner, Witherpoon Building, Philadelphia. Owner, Charles Sinnickson, Rosemont, Pa. Stone and plaster, 2½ stories, shingle roof, oak floors, metal lath, electric lighting (heating, ornamental plaster and tile work reserved). Architects taking bids, due June 12th. The following are figuring: H. H. Burrell, 206 South Quince street; F. L. Hoover & Sons, 1023 Cherry street; J. P. Thompson, Real Estate Trust Building, all of Philadelphia; J. D. Lengel, Wayne, Pa.; Geo. L. Croll, Rosemont, Pa.

feet, slate roof, steam heating, electric lighting. Contract awarded to Andrew Saxon, Swoyersville, Pa.

Church and Parish House, Wilkes-Barre, Pa., \$50,000. Architects, Fulton & Butler, Union town, Pa. Owners, St. John's Lutheran Church, Wilkes-Barre, Pa. Stone, brick and steel, 1 story, 162x78 feet, slate and tile roof, steam heating, electric lighting, tile work, metal lath. Contract awarded to Otto Burns & Son, Wilkes-Barre, Pa.

Warehouse, Wilkes-Barre, Pa., \$10,000. Architect, Henry Maier, Wilkes-Barre, Pa. Owners, Nelson Bros., Wilkes-Barre, Pa. Brick, 5 stories, 30x56 feet, slag roof, electric lighting, elevator. Contract awarded to Eckenrode Bros., Wilkes-Barre, Pa.

Church and Sunday School, Wilkes-Barre, Pa. Architects, Brice Hayden Long Co., Miners' Bank Building, Wilkes-Barre. Owners, First Welsh Congregational Church, Wilkes-Barre, Pa. Frame, 1 story, 60x70 feet, slate roof, steam heating, electric lighting, metal lath. Contract awarded to Peter J. Husken, Wilkes-Barre, Pa.

School, Plains, Pa., \$65,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Board of Education, Plains, Pa. Brick, stone trimmings, 2 stories, 117x73 feet, asbestos roof, hot air heating, electric lighting, metal lath, metal ceilings, composition flooring. Contract awarded to Wilson J. Smith, Wilkes-Barre, Pa.

Dormitory, Harrisburg, Pa., \$30,000. Architects, Zantzing, Barie & Medary, Fifteenth and Walnut streets, Philadelphia. Owners, Harrisburg Academy, Prof. Brown, Harrisburg, Pa. Brick, hollow tile and concrete, 3 stories, 35x110 feet, slate roof (steam heating and electric work reserved). Contract awarded to August Wildman, 2206 North Third street, Harrisburg, Pa.

School Building, Ivyland, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Board of Education, Ivyland, Pa. Brick, 1 story and basement, 40x60 feet, shingle roof (hot air heating and lighting reserved). Contract awarded to John Ramsey, Ivyland, Pa.

Chapel, Southampton, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Davisville Baptist Church, Southampton, Pa. Hollow tile and plaster, 1 story, 32x60 feet, shingle roof, hot air heating, electric lighting. Contract awarded to Frank Heston, Churchville, Pa.

Residence (alt. and add.), Merion, Pa. Architect, Walter F. Price, 714 Walnut st., Philadelphia. Owner, Henry Delaplaine, Merion, Pa. Stone and hollow tile, 2½ stories, 40x50 feet, slate roof (heating and lighting reserved), oak floors. Contract awarded to Mowrer Bros., Merion, Pa.

Church, Scranton, Pa., \$18,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, Lithuanian Catholic Church, Rev. S. B. Michiewicz, 2026 Edna avenue, Scranton, Pa. Brick, 1 story, 50x80 feet, slate roof, steam heating, electric lighting. Contract awarded to A. Apostolico & Co., 1406 Adams avenue, Scranton, Pa.

Picture Theatre, Wilkes-Barre, Pa., \$10,000. Architect, Otto A. Kleeman, 28 South Main street, Wilkes-Barre, Pa. Owner, B. Gottlieb, Wilkes-Barre, Pa. Brick and stucco, 1 story, 20x169 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing. Contract awarded to Eckenrode Bros, Wilkes-Barre, Pa.

Residence, Elkins Park, Pa., \$12,000. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, J. M. Herr, Hale Building, Philadelphia. Hollow tile and plaster, 2½ stories, 28x50 feet, shingle or tile roof, electric lighting, hot water heating or vapor vacuum heating. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

Bank Building, Collegeville, Pa. Architect,

PENNSYLVANIA Contracts Awarded

Store and Apartments (alts.), Honesdale, Pa., \$10,000. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, H. O. Dietrich, Honesdale, Pa. Brick and frame, 3 stories, consists of general alterations, steam heating, electric lighting. Contract awarded to I. E. Bryant, Honesdale, Pa.

Garage and Apartments, Scranton, Pa. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, L. V. Decker, 211 Arthur avenue, Scranton, Pa. Brick, 2 stories; steam heating, electric lighting. Contract awarded to J. W. Cammer, 544 Front street, Scranton, Pa.

School Building, Archbald, Pa., \$15,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, School Board of Archbald Township, Archbald, Pa., Miles McAndrew, Secretary. Brick and frame 2 stories, 40x72 feet, slate roof, steam heating, electric lighting, metal ceilings. Contract awarded to P. J. McAndrew, Archbald, Pa.

Synagogue (alts. int.), Dickson City, Pa., \$5,000. Architect, Louis Roisman, Dime Bank Building, Scranton, Pa. Owners, Israel Markowitz Synagogue, Dickson City, Pa. Consists of balcony and interior alterations, metal

ceilings. Contract awarded to James Wilson, Dickson City, Pa.

Church (add.), Dunmore, Pa., \$10,000. Architect, Albert Hartman, People's Bank Building, Scranton, Pa. Owners, Dunmore Presbyterian Church, Dunmore, Pa. Stucco, 2 stories, 34x70 feet, slag roof, steam heating, electric lighting, composition flooring, rolling partitions. Contract awarded to F. J. Peck, Dunmore, Pa.

Office Building, Scranton, Pa., \$400,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owners, Scranton Life Insurance Co., Connell Building, Scranton, Pa. Brick, granite, terra cotta and steel, fireproof, 8 stories, 45x149 feet and 45x88 feet, slag roof, tile and marble work, ornamental iron, metal lath, waterproofing and dampproofing (steam heating, plumbing and electric work and elevators, separate bids). Contract awarded to F. D. Hyde, 90 West street, New York City.

Church, Swoyersville, Pa., \$10,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre, Pa. Owner, St. Nicholas' Greek Catholic Church, care of Andrew Saxon, Swoyersville, Pa. Brick, 1 story, 36x86

George E. Savage, Witherspoon Building, Philadelphia. Owners, Collegeville National Bank, Collegeville, Pa. Stone, 1 story, 30x70 feet, slag roof, steam heating, electric lighting, tile work, banking fixtures. Contract awarded to Jacob L. Buckwalter, Collegeville, Pa.

Residence, Paxtaag, Pa. Architect, Albert Kelsey, Perry Building, Philadelphia. Owner, Mrs. H. B. Dull, Harrisburg, Pa. Stone, 2½ stories, 58x30 feet, slate roof, steam heating. Contract awarded to William S. Miller, Telegraph Building, Harrisburg, who is taking sub-bids.

Factory, Conshohocken, Pa. Architect, M. Haupt, Drexel Building, Philadelphia. Owner's name withheld. Brick and steel, 4 stories, 40x90 feet, slag roof, electric lighting, steam heating. Contract awarded to Standard Construction Co., Drexel Building, Philadelphia.

Residence (alts.), Wynnewood, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, William J. Clothier, 181 South Fourth street, Philadelphia. Plaster, 2½ stories, consists of trio story addition and interior alterations, electric lighting, expanded metal lath (heating reserved). Contract awarded to J. J. Murphy & Co., 1139 South Wilton avenue, Philadelphia.

Residences (2), Elkins Park, Pa. Architects, Street & Stackhouse, Drexel Building, Philadelphia. Owner, M. G. Paul, 135 South Fifth street, Philadelphia. Hollow tile and plaster and stone and frame, 2½ stories, 25x45 feet, slate and shingle roofs, electric lighting, hot water heating, oak floors. Contract awarded to Harry Davis, 5100 Westminster avenue, Philadelphia.

NEW JERSEY Construction News

Storage House (alt. and add.), Atlantic City, N. J. Architects, Stout & Reibenack, Bartlett Building, Atlantic City, N. J. Owners, American Ice Co., 600 Arch street, Philadelphia. Brick and concrete, 1 and 2 stories, 80x120 feet, composition roofs. Plans in progress.

Residence, Trenton, N. J., \$8,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, G. H. Bell, 634 West State street, Trenton, N. J. Brick, stone trimmings, 2½ stories, 35x38 feet, slate roof, gas and electric lighting, hardwood floors, tile work, heating undecided. Revised plans in progress.

School (add.), Eldridge Park, N. J., \$8,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, School Board of Hamilton Township, N. J. Brick, 1 story, 63x35 feet, slate roof, steam heating, electric lighting, metal lath, reinforced concrete floors. Owners taking bids, due June 7th.

Club House, Trenton, N. J., \$40,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Ancient Order of Arabic Nobles of the Mystic Shrine, Trenton, N. J. Brick, terra cotta and stone, 2 stories, 90x120 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing. Architects have received bids.

Residence, Woodside, N. J., \$4,500. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, Miss Catharine Schuelte, Trenton, N. J. Brick, 2½ stories, 45x26 feet, slate roof, hot air heating, electric lighting. Architects taking bids, due June 7th. The following are figuring: W. J. & J. H. Morris, S. W. Mather & Son, Levy & Son, C. Y. Barlow, Teitz & Sons, S. Pickniet, all of Trenton, N. J.

Sewage System, Glen Gardner, N. J., \$20,000. Architect, George S. Drew, State Cap-

itol, Trenton, N. J. Owners, State of New Jersey, Trenton, N. J. Consists of 1,100 feet of terra cotta pipe, 5 reinforced concrete tanks, filter bed and chlorine house. Plans in progress.

Residences (14), Trenton, N. J. Architect, private plans. Owner, Isaiah Birks, Forst Richey Building, Trenton, N. J. Brick, 2 stories, 13x28 feet each, slag roofs, hot air heating, electric lighting. Owner is taking bids.

Residences (4), Trenton, N. J., \$10,000. Architect, private plans. Owners, Case & Sechrist, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 14x32 feet each, slate roofs, hot water heating, electric lighting. Owners are sub-letting all contracts.

Hosiery Mill, Trenton, N. J. Architect, W. U. Judy, Shamokin, Pa. Owner, W. F. Taubel, Inc., Riverside, N. J. Brick, 3 stories, 50x120 feet, slag roof, steam heating, electric lighting. Owners taking bids. A. L. Fretz & Son, 1222 Chancellor street, Philadelphia, and Hugh B. Miller, Edgewater Park, N. J., are figuring.

Hosiery Mill, Eighth and Spruce streets, Camden, N. J. Architect, W. U. Judy, Shamokin, Pa. Owners, W. F. Taubel, Inc., Riverside, N. J. Brick, 3 stories, 50x150 feet, slag roof, steam heating, electric lighting. Owners taking bids. A. L. Fretz & Sons, 1222 Chancellor street, Philadelphia, and Hugh B. Miller, Edgewater Park, N. J., are figuring.

Residence, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, Judge Alfred Reed, 62 Prospect street, Trenton, N. J. Brick, 2½ stories, 40x40 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Plans in progress.

Residence (alts.), Jenkintown, Pa. Architects, Bissell, Sinkler & Tilden, Bailey Building, Philadelphia. Owner, E. B. Cox, Jr., 1604 Locust street, Philadelphia. Consists of new porches and one room addition. Contract awarded to M. E. Hauser, Glenside, Pa.

Church (add.), Quakertown, Pa., \$5,000. Architect, M. B. Bean, Lansdale, Pa. Owners, Reformed Church, care of J. McLean, Quakertown, Pa. Brick, 1 story, 30x50 feet, slate roof, steam heating, electric lighting, folding partitions. Contract awarded to Jacob Stebbins, Quakertown, Pa.

Silk Mill, Dorrance, Pa., \$150,000. Architects, Ballinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., Hazleton, Pa. Consists of a group of 1 and 2-story buildings. Brick and concrete, composition roofs, steam heating, electric lighting. Contract awarded to United Fireproofing Co., 1133 Broadway, New York City.

Residence and Garage, Haverford, Pa., \$25,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Caspar W. Morris, Land Title Building, Philadelphia. Brick and plaster, 2½ stories, 71x90 feet; wing, 22x25 feet, shingle roof, vapor heating, electric lighting, hardwood floors. Contract awarded to James H. Wells, Heed Building, Philadelphia.

Residence (alts.), Wayne, Pa. Architect, Chas. Borton Keen, Bailey Building, Philadelphia. Owner, Dr. M. R. Ward, Wayne, Pa. Consists of 1 story, dining room addition. Contract awarded to J. D. Lengel, Wayne, Pa.

Let Us Make Your Home Weather Proof

**Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses**

THE AQUABAR CO.
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



Residences (4), Trenton, N. J., \$12,000. Architect, private plans. Owner, Thomas W. Wilson, 323 Berwyn street, Trenton, N. J. Brick and frame, 2½ stories, 14x42 feet each, slate roof, hot water heating, electric lighting. Owner is sub-letting all contracts.

Factory, Trenton, N. J., \$20,000. Architect, private plans. Owner, North American Fuel Co., Trenton, N. J. Concrete and steel, 1 story, 45x185 feet, and 25x125 feet, corrugated iron roof, steam heating, electric lighting, concrete floors. Owners are sub-letting all contracts.

Garage, Bridge street, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, I. Lavine, 105 Union street, Trenton, N. J. Brick and terra cotta, 1 story, 20x20 feet, slag roof, electric lighting, cement floors. Revised plans in progress.

Church, Trenton, N. J., \$16,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, Shiloh Baptist Church, Trenton, N. J. Brick and terra cotta, 1 story, 35x62 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing and waterproofing. Architects taking bids, due June 15th.

Residence, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, Isaac Lavine, 105 Union street, Trenton, N. J. Brick, 2½ stories, 33x33 feet, slate and tin roof, hot water heating, gas and electric lighting, hardwood floors, tile work, metal lath. Revised plans in progress.

Church (alt. and add.), Trenton, N. J., \$10,000. Architect, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, Christ Episcopal Church, Rev. Robert W. Trenbath, 324 Hamilton street, Trenton, N. J. Stone, 1 story, 20x60 feet, slate roof, electric lighting, tile work. Revised plans about completed. Architects will take bids in a few days.

Residences (4), Trenton, N. J., \$9,000. Architect, private plans. Owner, Gennaro Tuccillo, Trenton, N. J. Brick, 2½ stories, 14x29 feet, slate and tin roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Residences (3), Trenton, N. J., \$9,000. Architect, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, Walter Slack, Trenton, N. J. Brick and frame, 2½ stories, 30x45 feet, slate roof, hot water heating, gas and electric lighting. Owner is sub-letting all contracts.

Club House, Bridgeton, N. J., \$10,000. (Continued on page 370.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd President
Joseph M. DeLone Vice-President
Louis S. DeLone Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon Editor

PHILADELPHIA, PA., JUNE 9, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President *R. Clipston Sturgis, Boston
First Vice-President . *Thomas R. Kimball, Omaha, Neb.
Second Vice-President . D. Knickerbacker Boyd, Phila.
Secretary *Burt L. Penner, New York
Treasurer *J. L. Maurar, St. Louis
Auditors { Thomas J. D. Fuller, Washington, D. C.
 Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Frederick A. Muhlenberg
Treasurer Walter Mellor
Directors—Clarence C. Zantzing, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlenberg.

Editorial Comment

Keen interest is manifested by builders, throughout the country, in the uniform contract documents evolved as the result of a series of conferences between committees representing the American Institute of Architects and the National Association of Builders' Exchanges.

The movement toward better contract documents was first suggested by the Builders' Exchange of Louisville, Ky., which city has had much to do with carrying the proposal to a successful conclusion. The resolution passed by this Exchange received the endorsement of various national organizations interested in building, such as the Credit Men's Association, and bonding companies, and at the convention of the National Association of Builders' Exchanges held in Washington in 1913, the campaign was formally started. A series of joint meetings with the American Institute of Architects resulted and at the convention of the National Association held in Columbus, in January, 1915, the architects submitted a tentative draft. A number of recommendations were made by the builders, and these were incorporated in the new form which was finally approved at Philadelphia by H. L. Lewman, of Louisville, president of the National Association. Frank Miles Day was chairman of the standing committee of the Institute on Contracts and Specifications, ably assisted by William Bruce King, counsel of the National Association, and Louis Bancroft Runk, counsel of the Institute.

A complete set of general conditions drafted by the joint advisory committee of the Master Builders' Association of Boston and the Boston Society of Architects, represented by William Stanley Parker, was of material aid in giving direction to the movement for a new form of contract.

Chief among the advantages of the new form is the clause providing for the arbitration of disputes—a provision hardly necessary in view of the care which has been taken to so define and clarify terms and meanings as to make disputes highly remote if not impossible.

It is pointed out that the plans and specifications are to be considered as part of the contract; that drawings are the property of the architect and models the property of the owner; that it is the work of the architect to supervise and direct work, but that he is not the legal agent of the owner except in cases involving the safety of life, of the structure or of adjacent property; that the contractor should maintain a liability insurance and the owner a fire insurance on the unfinished work, including tools; that claims for extras must be filed one week before work is started on them. It is also stipulated under what conditions the owner shall have a right to terminate the contract and when the contractor may stop the work.

Regarding liens, it is stated that final pay-

ment is not due until the contractor, if required, shall give the owner complete release from all possible liens, or furnish bonds which shall indemnify the owner in case any should later appear. This stipulation is subject to modification according to the laws of the various States, and in this connection it might be interesting to note that the Illinois Supreme Court has recently held in the case of Rittenhouse & Embree Co. vs. Warren Construction Co., 106 Northwestern Reporter 467, that the lien law of that State is invalid and unconstitutional for the reason that a State Legislature is without power to enact a law which purports to give a sub-contractor a mechanic's lien in the face of a provision in the general contract to the effect that no lien shall attach on account of the work done, and a contractor must take notice of such provision. The opinion, in part, reads:

"The foundation of the right to a mechanic's lien is a valid contract with the owner of the lot or tract of land to be improved, or with his duly authorized agent, for the construction of an improvement thereon and the furnishing of material and labor pursuant to the provisions of such contract, for while it is true that the lien is not created by the contract of the parties, but is created by the statute, still a contract is essential to the creation of any valid lien under the statute."

* * * The statute which gives a right to a mechanic's lien was not intended to abridge or curtail the right of contract between the parties, and where the contract between the original parties waives the right to a mechanic's lien, or is of such character that no right to a lien can accrue thereunder, the provisions of the Mechanic's Lien Law, in so far as they attempt to give a sub-contractor a right to a lien in spite of such agreement between the original parties, are unconstitutional and void."

Regarding arbitration, it is provided that one arbitrator shall be chosen or failing in that, each party shall choose one arbitrator and these two shall choose a third, such arbitration being a condition precedent in any right of legal action.

* * *

As indicating a brighter outlook in the local building situation, Secretary Roswell D. Tompkins, of the United Board of Business Agents of the Building Trades, is reported to have said a few days ago that nearly 115,000 building workmen are at work in the building industry in New York, and that only about 10,000 or 12,000 are now unemployed.

"Those now idle," said Secretary Tompkins, "will be at work in a month or so, and then all workers in the building industry will be busy."

* * *

Has it ever occurred to you what a boom in building is destined to follow the establishment of peace between the warring nations

abroad, and that by reason of more or less chaotic conditions due to the disturbance of manufacturing centers abroad much of the material for this era of rebuilding will be supplied by the United States?

This fact makes important a special compilation of the Department of Commerce of the Bureau of Foreign and Domestic Commerce, which enumerates representative articles making up our foreign sales of construction materials and articles necessary for the equipment of buildings and factories.

The following table includes representative articles used as building materials or for factory and house furnishings and shows the value of their exports from the United States in the fiscal year 1914:

Articles.	Value.
Boards, scantlings, shingles and sawed timber	\$66,278,014
Structural iron and steel	12,533,063
Pipes and fittings, wrought	14,337,973
Furniture, wood and metal	7,443,217
Builders' hardware	6,031,379
Cement	3,582,282
Paints, varnish and white lead	3,148,705
Galvanized sheets	3,773,425
Chandeliers, etc.	2,806,034
Dynamos, etc.	2,634,465
Nails and spikes	2,253,351
Stoves and ranges	1,808,196
Doors, sashes, trimmings	1,794,013
Bolts, nuts, etc.	1,633,707
Transformers	1,455,343
Elevators	1,382,893
Telephones	1,552,951
Zinc oxide	1,215,366
Roofing felt	1,029,127
Hair	1,085,038
Fire brick	976,335
Leather belting	879,674
Bath tubs and lavatories	779,369
Tiles (except drain)	779,323
Interior wiring, fixtures	721,069
Marble and stone	676,723
Building brick	623,115
Batteries	685,440
Paper hangings	453,412
Electric fans	432,656
Radiators, etc.	429,720
Window glass	347,106
Electric lamps	468,269
Plaster	283,325
Lime	200,437
Sand	188,999
Roofing slate	188,057
Linseed oil	134,540
Fire extinguishers	109,573
Oil cloth for floors	60,403

A complete enumeration of the various markets for these materials would not be practicable in a brief statement. It may be said, however, that our lumber goes largely to Europe, Argentina, Australia, Cuba, Mexico, and China; our structural iron and steel to Canada and Panama; our builders' hardware to Canada, Central America, and Europe; our paints, chiefly to Cuba and South America, and our varnishes to Europe.

If we can sell goods in such quantities to Europe under peaceful conditions, what should

we be able to do in the rebuilding and replenishing period which must set in at the close of the gigantic struggle now going on? The manufacturer who fails to prepare for his share of this particular melon will be sadly deficient in good commercial foresight, and will deserve to see his keener competitors reap the rewards.

Thomas A. Edison, who has been much annoyed at the use by brick manufacturers of an article from "The Clay Worker" belittling the fire-retardant qualities of reinforced concrete construction, is out in the following communication:

"The Detroit Brick Manufacturers' and Dealers' Association is distributing throughout the United States a pamphlet entitled 'The Edison Fire,' the contents consisting of a reprint of an article appearing in a trade journal, 'The Clay Worker.' The entire purpose of this publication is to discredit, and if possible, retard the use of reinforced concrete in the construction of fireproof buildings.

"The results of the fire at my plant on December 9, 1914, are used in an entirely false and misleading manner. Of the seven reinforced concrete buildings none were destroyed. A small section of the upper floor of one of the buildings fell in, but was supported by the lower floors. The pamphlet referred to presents three views of this, the suggestion being that they were of three different buildings. The brick administration building, to which they refer, which remains standing, was protected by an adjacent concrete building and was not subjected to the fire.

"Every brick and steel building which was attacked by the fire was completely destroyed, together with all the machinery they contained, while the damage done to the concrete buildings amounted to about 12½ per cent, and of the machinery contained in the concrete buildings 98 per cent. was saved and is now in operation. Manufacturing was resumed in some of the old concrete buildings within a few weeks after the date of the fire.

"Temperatures were far in excess of those in the ordinary fire, but reinforced concrete showed its superiority over any other fire resisting material.

"I regret that any representative of the brick interests should have seen fit to sponsor this publication, the evident purpose of which is to deceive. The millions of dollars of fire losses in this country annually make it a matter of moment that the superiority of reinforced concrete for fireproof structures should be thoroughly understood, and it is for such purposes that I have written this letter."

By the way, we note that at the recent convention in Detroit of the National Brick Manufacturers' Association there was reached an agreement to raise and expend nearly \$200,000 yearly on a national publicity plan devised to winning back the favor which brick as a building material has lost to frame, concrete and gypsum construction. It seems to "The Guide" that there has been

talk of some such fund and campaign at former conventions—ending in every instance in talk. What the brick interests need is the expenditure of some real money by somebody who knows how.

On and after June 1, according to a notice issued to architects, builders and employing carpenters in the city of Boston by the Carpenters District Council, the rate of wages shall be changed from five and one-half days at 55 cents an hour to five days at 61 cents an hour, all work after 5 P. M. Friday to be paid for as overtime or at double rate. The five-day week has been looked upon with favor in Boston, but according to Secretary Sayward, of the Master Builders' Association, that organization has protested against the move on the ground that the present is not an opportune time for its institution, and further on the consideration that any adjustment of wages should be made on the assumption that such adjustment equitably comprehend not one trade or occupation only, but all trades and occupations. It is pointed out that on account of the already narrow margin of profit for builders under present circumstances this move will prohibit much building in that district and seriously effect the general trade.

The man who takes the stand that everybody knows his line and that his goods, for this reason, "sell without advertising," is as big a dunce in his way as that other idiot who claims to have "all the business he is able to handle." The best known book that ever was written is the Bible, and it's still advertised by firms who want to sell it. The biggest business ever organized is Standard Oil, but John D. is still reaching out for more.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

FOSTER SYSTEM

MAXIMUM EFFICIENCY AT MINIMUM COST

ROOFING AND WATER PROOFING

SEND FOR BOOKLET

BENJAMIN FOSTER COMPANY

22nd & SEDGLEY AVE.

PHILADELPHIA PENNSYLVANIA.

NEW JERSEY

Contracts Awarded

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



NEW JERSEY CONSTRUCTION NEWS.

(Continued from page 367.)

Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Cohonsik Country Club, care Richard M. Moore, Bridgeton, N. J. Frame and concrete, 2½ stories, 80x44 feet, shingle roof, steam heating, electric lighting, oak floors, metal lockers. Plans in progress.

Nurses' Home, Ancora, N. J. \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Camden County Commissioners, care Frederick Fries, Hadson Heights, N. J. Brick, 2 stories, 32x56 feet, slate roof, steam heating, electric lighting, oak floors, tile work, metal lockers. Plans in progress. Owners will advertise for bids June 25th.

Residences (3), 411 North Thirty-eighth street, Camden, N. J. Architect, private plans. Owner, Cramer Realty Co., thirty-fourth and Federal streets, Camden, N. J. Frame and stucco, 2 stories, 24x38 feet, shingle roof, hot air heating, metal lath. Owner is sub-letting all contracts.

Residences (7), Kenwood avenue, Camden, N. J. Architect, private plans. Owner, Frank L. Starr, 305 Market street, Camden, N. J. Brick, 2 stories, 16x46 feet, slag roof, hot air heating, gas and electric lighting. Owners are sub-letting all contracts.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

Hotel (add.), Atlantic City, N. J., \$600,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owners, Rudolf Hotel Co., Atlantic City, N. J. Brick, steel and terra cotta, fireproof, 11 stories, 100x175 feet, 225 rooms and 200 bath rooms), tile and slag roof, steam heating, electric lighting, concrete floors, 4 elevators, metal lath, waterproofing and dampproofing. Contract awarded to Alex. Chambley, 243 South Tenth street, Philadelphia.

Residence (alt. and add.), Princeton, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Judge E. Ambler Armstrong, Princeton, N. J. Stone, 2 stories, consists of new library, slate roof, electric lighting, hardwood floors, hot water heating extension. Contract awarded to John P. Gill, Princeton, N. J.

Toilet Fixtures, Trenton, N. J., \$3,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State Normal School, Trenton, N. J. Consists of new toilet fixtures and alterations. Contract awarded to C. N. Kindall, Trenton, N. J.

Residence, Trenton, N. J., \$6,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, Walter H. Orr, 55 Delaware avenue, Trenton, N. J. Hollow tile and stucco, 2½ stories, 29x44 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Contract awarded to Hicks & Ivins, Trenton, N. J.

School (add.), Maple Shade, N. J., \$9,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, School Board of Hamilton Township, N. J. Brick, 1 story, 80x25 feet, slate roof, hot air heating, electric lighting, concrete corridors, metal lath. Contract awarded to C. Y. Barlow, Trenton, N. J.

Residences (5), Trenton, N. J., \$10,000. Architect, private plans. Owner, Joseph Frost, Trenton, N. J. Brick, 2½ stories, 14x28 feet each, slate and tin roof, hot air heating, electric lighting. Contract awarded to Howard W. Parrish, 1020 Division street, Trenton, N. J.

Apartment House, Trenton, N. J., \$11,000. Architect, private plans. Owner, David Applestein, Trenton, N. J. Brick, 2 stories, 25x80 feet, slag roof, electric lighting. Contract awarded to Thomas F. Donigan, 153 Hamilton street, Trenton, N. J.

Residence, Trenton, N. J., \$3,000. Architect, private plans. Owner, Robert Mayers, Trenton, N. J. Brick and frame, 2½ stories, 16x28 feet, slate and tin roof, hot water heating, gas and electric lighting. Contract awarded to Wm. D. Hunt, 24 Benton street, Trenton, N. J.

Residences (2), Trenton, N. J., \$7,500. Architect, private plans. Owner, Mary Martin, Trenton, N. J. Brick, 2½ stories, 16x30 feet, slate and tin roof, hot water heating, electric lighting. Contract awarded to L. C. Case, Jr., 928 Berkeley avenue, Trenton, N. J.

Store and Residence, Trenton, N. J., \$5,500. Architect, W. P. Endebrook, American Mechanics Building, Trenton, N. J. Owner, Harry Portin, 12 New Willow street, Trenton, N. J. Brick, 2 stories, 23x40 feet, slag roof, steam heating, electric lighting. Contract awarded to Pritchard & Gars, Trenton, N. J.

Apartment House, Trenton, N. J., \$6,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, John Dowling, 9 North Warren street, Trenton, N. J. Brick, 2 stories, 31x76 feet, slag roof, hot water heating, gas and electric lighting, tile work. Contract awarded to A. W. Chapman, 218 West End avenue, Trenton.

Rectory, Helmetta, N. J., \$5,300. Architect, W. P. Endebrook, American Mechanics Building, Trenton, N. J. Owner, Holy Trinity Polish R. C. Church, Helmetta, N. J. Frame, 2½ stories, 30x40 feet, slate roof, steam heating, electric lighting, tile work. Contract awarded to A. J. Trier, 61 Pennington avenue, Trenton, N. J.

Hospital (adds.) and Superintendent's House, Blackwood, N. J., \$30,000. Architect, Charles J. Brooks, 518 Federal street, Camden, N. J. Owner, Camden County Board of Freeholders, Court House, Camden, N. J. Brick and brick and plaster, 2 and 3 stories, 30x54 feet, and 32x200 feet, asbestos shingle roof, oak floors, composition flooring, dampproofing, fire doors (heating, plumbing and electric work, separate bids). Contract awarded to Geo. Bachman, 19 North Thirtieth street, Camden, N. J.

Alms house (add.), Blackwood, N. J., \$7,000. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owner, Camden County Board of Freeholders, Court House, Camden, N. J. Brick, 2 stories, 35x50 feet, tin roof, dampproofing, composition flooring (heating, plumbing and electric work, separate bids). Contract awarded to Geo. Bachman, 19 North Thirtieth street, Camden, N. J.

Cottage, Clinton, N. J., \$30,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, New Jersey Reformatory for Women, 1 Newark street, Hoboken, N. J. Brick and hollow tile, 2½ stories, 28x98 feet, wing 28x46 feet, slate roof, metal lath, composition floors (heating and lighting, reserved). Contract awarded to Jersey City Construction Co., 75 Montgomery street, Jersey City, N. J.

Garage, 1185 Liberty street, Camden, N. J. Architect, private plans. Owner, Mrs. Annie Durst, 1189 Liberty street, Camden, N. J. Brick, 1 story, 32x40 feet, slag roof, electric lighting, cement floors. Contract awarded to Henry W. Green & Son, 1338 Pear street, Camden, N. J.

Miscellaneous Construction News

University Buildings, Morgantown, W. Va. Architect, H. Rus. Warne, Charleston, W. Va. Owners, State of West Virginia, University of West Virginia, care of James S. Lakin, Charleston, W. Va. Consists of 2 buildings, School of Medicine, 3 stories, 77x54 feet, and

Mechanical Hall, 3 stories, 111x141 feet, brick, terra cotta and steel, composition roof, dampproofing, iron stairs, slate blackboards (heating, plumbing and electric work reserved). Owners taking bids, due June 29th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Dormitory, Glenville, W. Va. Architect, H. Rus. Warne, Charleston, W. Va. Owners, State of West Virginia, Glenville Normal School, care of James S. Lakin, Charleston, W. Va. Brick, terra cotta and steel, 3 stories, 50x143 feet, slate roof, dampproofing (heating, plumbing and electric work reserved). Owners taking bids, due June 29th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Science Hall, Huntington, W. Va. Architect, H. Rus. Warne, Charleston, W. Va. Owners, State of West Virginia, Marshall College, care of James S. Lakin, Charleston, West Virginia. Brick, terra cotta and steel, 3 stories, 79x140 feet, composition roof, dampproofing, iron stars (heating, plumbing and electric work reserved). Owners taking bids, due June 29th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Office Building, Washington, D. C., \$1,500,000. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Department of the Interior, Treasury Department. Brick, granite, limestone and steel, fireproof, 7 stories, 400x400 feet, composition and slate tile roof, safety

treads, waterproofing, iron stairs, expanded metal lath, oak floors, kalamein doors (plumbing, heating, electric work, elevators reserved). Owners taking bids, due June 13th, at 3 P. M. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Residence, West Palm Beach, Florida. Architect, I. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, E. P. Maule, West Palm Beach, Florida. Frame, 2½ stories, 35x50 feet; wing, 20x20 feet, shingle roof. Plans in progress.

Library Building, Indianapolis, Ind., \$500,000. Architects (associated), Paul P. Cret, 516 Woodland Terrace, and Zantlinger, Borie & Medary, northeast corner Fifteenth and Walnut streets, Philadelphia. Owners, City of Indianapolis, John Clelland, Business Director. Plans completed. Bids in one week.

Church, Washington, D. C. Architect, Chas. Bolton, Witherspoon Building, Philadelphia. Owner, St. Andrew's P. E. Church, Washington, D. C. Brick and terra cotta, 1 story, 50x110 feet, slate roof, electric lighting, steam heating. Contract awarded to W. E. Mooney, Washington, D. C.

MARYLAND

Construction News

Parish House, West Arlington, Baltimore, Md., \$15,000. Architect, A. Lowther Forrest, Law Building, Baltimore. Owner, Church of the Transfiguration, Baltimore. Stone and shingle, 90x60 feet, slate roof, hot water heating, electric lighting. Architect taking bids, the following are figuring: Gladfelter & Chambers, 729 Roland avenue; Seybold & Eigenbrod, Belview avenue; A. F. West, 15 East Fayette street; R. B. Mason, 318 West Madison street; C. W. Littleton & Son, 4313 Liberty Heights avenue; John F. Hardy, 4200 Groveland avenue, all of Baltimore.

Residence, Roland avenue near St. John's Road, Roland Park, Md., \$9,000. Architect, Clyde N. Friz, 1523 Munsey Building, Baltimore. Owner, Wm. H. Ritter, Baltimore, Md. Frame and shingle, 2 stories, 47x45 feet, slate roof, hardwood floors, hot water or steam heating, electric lighting. Plans in progress.

Church, Cumberland, Md., \$10,000. Architects, W. A. Rayfield & Co., Box 649, Birmingham, Ala. Owner, Trinity Methodist Church, Rev. Harry Wheeler, Cumberland, Md. Brick, asbestos shingles, steam heating, electric lighting. Plans in progress.

Store Building, St. Paul street between Mt. Royal avenue and Preston street, Baltimore. Architects, Wm. O. Sparklin and Geo. S. Childs, Law Building, Baltimore. Owner, Walter Scott, Baltimore, Md. Brick, terra cotta, fireproof (4 stories) 2 stories, 110x123 feet, composition roof, concrete floors, steam heating, electric lighting. Architects taking bids. The following are figuring: Jos. Schamberger, 2122 East Baltimore street; J. Henry Smith, 1426 Light street; B. F. Bennett Building Co., 123 South Howard street; Consolidated Engineering Co., 243 Calvert Building; Richardson & Williams, Equitable Building; West Construction Co., Knickerbocker Building; Singer-Pentz Co., 600 Equitable Building; Morrow Bros., 1201 Fidelity Building; Price Concrete Const. Co., 225 St. Paul street; Cogswell-Koether Co., 406 Park avenue, all of Baltimore.

Moving Picture Theatre, 824 West North avenue, Baltimore, Md., \$6,000. Archi-

tect, J. C. Spedden, 1640 South Hanover street, Baltimore. Owner, A. S. Brown, Baltimore, Md. Brick, 39x81 feet, slag roof, cement floors, steam heating, electric lighting. Plans in progress.

Store and Dwelling, 231-33 Hughes street, Baltimore. \$7,000. Architect, L. Schoenlein, 2217 East Baltimore street, Baltimore. Owner, E. Baron, on premises. Brick, 3 stories, 26x30 feet, tile floors, hot water heating, electric lighting. Architect taking bids. L. Schoenlein & Son, 2217 East Baltimore street, and J. Henry Smith, 1426 Light street, Baltimore, are figuring.

Apartment Houses (4), Denison street, Brookline, Baltimore. \$115,000. Architect, John E. Forsythe, 232 St. Paul street, Baltimore. Owner, B. Harris Henderson, 937 Equitable Building. Brick, 3 stories, 40x120 feet each, slag roof, electric lighting, central heating plant. Plans in progress. Architects will be ready for bids about June 15th.

Garage and Repair Shop, North avenue and Lovegrove Alley, Baltimore. Architect, C. M. Anderson, 324 North Charles street, Baltimore. Owner, E. W. Eisenhauer, Blue Ridge Summit, Pa. Brick, 2 stories, 100x130 feet, and 74x53 feet, slag roof. Architect taking bids. The following are figuring: A. F. West, 15 E. Fayette street; Geo. Bunneke & Son, 305 St. Paul street; Cowan Building Co., 106 West Madison street; B. F. Bennett Building Co., 123 South Howard street; Thos. P. Johns, Eutaw and McCulloch street, all of Baltimore.

Maryland Contracts Awarded

Building (remodeling), Charles and Preston streets, Baltimore. \$14,000. Architect, Jos. Evans Sperry, 409 Calvert Building, Baltimore. Owner, Seaboard Bank, Baltimore. Consists of remodeling building for bank and offices, addition concrete, 3 stories, 25x105 feet, stone front,

rear addition, brick, 30x40 feet. Contract awarded to Edward Watters & Co., 509 North Charles street, Baltimore.

Warehouse, 301 East Falls avenue, Baltimore. \$8,000. Architect, J. K. Stack, 12 East Lexington street, Baltimore. Owner, Horstmeier Lumber Co., on premises. Brick, 2 stories, 51x75 feet, slag roof, steam heating. Contract awarded to J. J. Moyleland, 117 East Center street, Baltimore.

Residence, Baltimore, Md., \$6,500. Architect, Edward L. Palmer, 408 Roland avenue, Baltimore. Owner, Raymond S. Williams, Baltimore, Md. Frame, 2 stories, 34x43 feet, slate roof, hot water heating, electric lighting. Contract awarded to Roland Park Co., Roland Park, Md.

Garage, 3503 North Charles street, Baltimore. Architects, Elliott & Emmart, 1102 Union Trust Building, Baltimore. Owner, Lemuel T. Appold, Baltimore. Brick, 1 story, 28x23 feet, slate roof, concrete floor, steam heating, electric lighting. Contract awarded to Gladfelter & Chambers, 729 Roland avenue, Baltimore.

Apartment House, 2502 Eutaw Place, Baltimore. Architect, Jos. Evans Sperry, 409 Calvert Building, Baltimore. Owner, Isaac E. Emeston, Emerson Hotel, Baltimore. Contract awarded to Wm. H. Parker, Emerson Hotel, Baltimore.

Permits for New Buildings

Ed. Laylor (O), North Shawmont avenue. J. H. Walter (C), 168 East Walnut lane. Cost, \$4,500. Residence, brick, 28x35 feet, North Shawmont avenue and C street.

Mt. Hernon Church (O), Sixteenth and Wingochock streets. Thomas C. Trafford (C), 1613 Sansom street. Cost, \$16,000. Sunday School, stone, 47x75 feet, Sixteenth and Wingochock streets.

Brechts Sons (O), 111 North Orianna street. Monaghan & Losse (C), 214 South Twelfth street. Cost, \$8,300. Manufacturing building, brick, 2 stories, 53x43 feet, 111 North Orianna avenue.

Miss Katie Wurtz (O), 5029 Melrose street. G. M. Crosby (C), 2264 Bridge street. Cost, \$2,150. Residence, brick, 2 stories, 16x40 feet, 5021 Melrose street.

J. & N. Hoeffcker (O), 6141 Elmwood avenue. John Ehmann (C), 1024 Cross street. Cost, \$4,000. Two residences, brick, 2 stories, 16x43 feet, 2522-24 South Edgewood street. Robert D. Wilson (O and C), 133 South Twelfth street. Cost, \$34,600. Sixteen residences, brick, 2 stories, 16x42 feet, Fifty-fifth and Elliot streets.

Estate of Caleb J. Milne (O), Eleventh and Washington avenue. William Steele & Sons (C), 1600 Arch street. Cost, \$15,000. Garage, brick and concrete, 3 stories 58x76 feet, 2030 Rittenhouse street.

P. Schestore (O), 1727 North Fifty-first st. Alex. Rucker (C), 1727 North Fifty-first st. Cost, \$1,586. Residence, brick, 2 stories, 15x28 feet, 750 South Sixty-first street.

M. Ligen (O), 42 East Mt. Airy avenue. Joseph Thurman & Co. (C), 92 Collum street. Cost, \$1,700. Store and dwelling, brick, 2 stories, 15x29 feet, Baynton and Rittenhouse streets.

Albert Michalski (O), 3531 East Mercer street. P. J. Esmond (C), 5058 East Thompson street. Cost, \$1,500. Residence, brick, 2 stories, 18x30 feet, Mercer and Tioga sts.

Thomas J. and Joseph B. Whelan (O), 628 Mutual Life Building. Cost, \$116,600. Thirty-three residences, brick, 2 stories, 15x29 feet, Fifty-eighth and Warrington avenue.

Catherine Church (O), Penn and King sts. W. J. Cowell (C), 943 East Cheltenham avenue. Cost, \$8,000. Residence, brick and stone, 2

stories, 24x46 feet, Penn and King streets.

Samuel J. Kennedy (O), 3105 F street.
Harry R. Moyer (C), 2029 East Wishart street.
Cost, \$3,000. Two residences, stone, 2 stories,
14x28 feet, Berks and Thompson streets.

R. Levine (O), 341 Fitzwater street.
M. Wilson (C), 727 Reed street. Residence, brick,
2 stories, 18x30 feet, 734 South Fourth street.
Cost, \$6,000.

Leon Ginkiewicz (O), 2731 East Madison
avenue. John J. Riepski (O), 3173 Richmond
street. Cost, \$3,000. Store and dwelling,
brick, 2 stories, 20x40 feet, 3118 Richmond
street.

John H. McClatchy (O), Land Title Build-

ing. Bart Tourison (C), Land Title Building.
Cost, \$20,000. Two residences, stone, 3 stories,
40x32 feet, Lincoln drive and Carpenter
street.

Chris. Geicke (O), 7101 Torresdale avenue.
Two residences brick, 2 stories, 16x42 feet,
Seventieth and Hegeman streets.

Arthur M. Dayton (O), Philadelphia. Cramp
& Co. (C), Deneka Building. Cost, \$250,000.
Apartment house, brick, stone and terra cotta,
12 stories, 48x36 feet, Seventeenth and Walnut
streets.

John Varallo (O), 1227 Ellsworth street.
Cost, \$1,600. Residence, brick, 2 stories, 16x34
feet, 1227 Ellsworth street.

Alterations and Additions

Charles DeYoung (O), 409 West End Trust
Building. John D. Campbell (C), 48 St. Bernard
street. Cost, \$500. Dwelling, 318 North
Tenth street.

Charles Mays (O), 3001 Gramback street.
Cost, \$1,200. Two stores, D and Indiana avenue.

Fidelity Trust Co. (O), 325 Chestnut street.
E. H. Keefer (C), 1321 Rodman street. Cost,
\$600. Stable, 1030 Fairmount avenue.

P. Hoekman (O), 2059 East Allegheny avenue.
Barclay White Co. (C), Perry Building.
Cost, \$1,500. Store, 3051 Frankford avenue.

J. G. Staph (O), 821 Hyland avenue. F. G.
English (C), 1618 North Carlisle street. Cost,
\$1,500. Dwelling, 4027 Cambridge street.

Joshua Bailey Co. (O), Fifteenth and Rans-
stead street. F. B. Davis (C), 240 North Six-
teenth street. Cost, \$3,500. Store, 1508 Wal-
nut street.

Philadelphia Sketch Club (O), 233 South
Camac street. F. B. Davis (C), 240 North
Sixteenth street. Cost, \$3,500. Club house,
233 South Camac street.

Michael Flanagan (O), 1530 North Sixty-
second street. David B. Wholey (C), 1109
Indiana avenue. Cost, \$530. Dwelling, 1530
North Sixty-second street.

M. Green (O), Eighth and Jackson streets.
M. Lesse (C), 816 Winton street. Cost, \$650.
Store and dwelling, Eighth and Jackson
streets.

Miss E. Ryan (O), 130 Rector street. John
J. Hurley (C), 503 East Monastery avenue.
Cost, \$1,000. Residence, 130 Rector street.

B. Roeder (O), 2451 Ridge avenue. Nathan
Litman (C), 2332 South Tenth street. Cost,
\$1,025. Dwelling, 916 North Marshall street.

Thomas Tansey (O), 5701 Rising Sun ave-
nue. James R. Booth (C), Garrettsford, Dela-
ware County, Pa. Cost, \$3,400. Hot houses,
5701 Rising Sun avenue.

Fred M. Taylor (O), 239 Gowan avenue.
William H. Eddleman & Sons, 453 Green lane.
Cost, \$1,000. Garage, 237 Gowan avenue.

M. Dorrazze (O), Twelfth and Ellsworth
streets. Joseph Volk (C), 1020 South Frank-
lin street. Cost, \$600. Residence, 1109 Ann
street.

John Greenwood (O), Rosehill and Lowden
streets. P. K. Stahl (C), 2713 North Park
avenue. Cost, \$655. Garage, Rosehill and
Lowden streets.

N. A. Bracken (O), Twenty-sixth and Whar-
ton streets. Smith-Hardican Co., 1006 Cherry
street. Cost, \$1,300. Store and dwelling,
Twenty-sixth and Wharton streets.

J. J. Hepp (O), Pelham and Cresheim road.
J. H. Wells (C), Heel Building. Cost, \$4,000.
Residence, Pelham and Cresheim road.

J. J. Shannon (O), 1744 Market street. H.
J. McGinley Co. (C), 1749 Ludlow street.
Cost, \$1,100. Storage, Twenty-first and Sedg-
ley avenue.

L. D. Munday (O), 6316 McCallum street.

Cost, \$3,000. Garage, Pomona and Ambrose
streets.

Schroeder, Bowman Co. (O), Van Dyke and
Frankford avenue. Claus & Reinke (C), 3414
Myvale street. Cost, \$2,000. Storage, Van
Dyke and Frankford avenue.

Morris Wisniefsky (O), 2006 South Eighth
street. Max Botwan (C), 634 Cross street.
Cost, \$650. Store and dwelling, 2006 South
Sixth street.

M. Girsus (O), 1601 South Fifth street.
Cost, \$2,000. 841-43 McKean street.

B. Stoker (O), 6608 McCallum street. C.
E. Lloyd, Jr. (C), Oak Lane, Pa. Cost, \$1,000.
Garage, 6608 McCallum street.

W. D. Lovewell (O), 1727 North Twentieth
street. Cost, \$600. Garage, 1727 North Twen-
tieth street.

Thomas Garrity (O), 632 South Sixty-sec-
ond street. Cost, \$4,000. Garage, Felton and
Cedar avenue.

Abe Reis (O), 607 Pine street. Hyman
Yaehnitz (C), 1202 North Seventh street.
Cost, \$1,825. Residence, 607 Pine street.

Philip Eden (O), 89 Seymour street. Joseph
Thurman Co. (C), 92 Collon street. Cost,
\$700. Residence, 89 Seymour street.

B. B. McFarland (O), 635 Snyder avenue.
Louis B. Goldberg (C), 2372 South Ninth
street. Cost, \$600. Residence, 914 Hoffman
street.

Charles Roeder (O), 1514 North Lawrence
street. Cost, \$2,010. Dwelling, 1514 North
Lawrence street. Joseph Kolb (C), 1315
North Warnock street.

E. E. Smith (O), Broad and Huntington
streets. George C. Taylor (C), 247 North
Watts street. Cost, \$800. Shop and storage,
Twentieth and Montgomery avenue.

R. Wister Harvey (O), 260 South Nine-
teenth street. James Johnson (C), 1721 Lud-
low street. Cost, \$3,500. Garage, 506 North
Broad street.

Ralph Mangein (O), 1003 Pierce street.
Vellesco Mangein & Co. (C), Twelfth and
Moore streets. Cost, \$1,000. Store and dwell-
ing, 1831 South Twelfth street.

Harry Caywood (O), 1819 Ridge avenue.
J. H. Rea (C), 1019 Appletree street. Cost,
\$1,520. Store and dwelling, 1819 Ridge ave-
nue.

S. Kleim (O), 19 North Second street. Lam
Building Co. (C), 1001 Wood street. Cost,
\$2,700. Store, 56 North Second street.

Charles M. Shelmire (O), Germantown ave-
nue and Lehigh avenue. H. P. Werner (C),
3245 Germantown avenue. Cost, \$990. Store,
2651 Germantown avenue.

M. W. Sutterley (O), 503 North Fifty-sec-
ond street. J. R. Wolf (C), 726 North Fifty-
first street. Cost, \$3,000. Residence, 503
North Fifty-second street.

Minnie Brown (O), 628 Spruce street. Cost,
\$600. Residence, 628 Spruce street. Cost,
\$600. Residence, 625 Spruce street.

REAL GOLD UNMINED.

"I am here as the self-appointed rep-
resentative of 900 trade and technical
publications printed in the United
States and circulated wherever the Eng-
lish language is spoken. How import-
ant they are in their relation to adver-
tising may be understood when I tell
you that they carry, in the aggregate,
advertising to the amount of at least
\$25,000,000 a year—one-eighth of all
the advertising money that is spent for
all forms of publicity in the country—
and that these advertisers "stick"
year after year because it pays them to
stick.

I have bought, sold and written all
kinds of advertising—pasted and print-
ed, indoor and outdoor, consumer and
dealer, technical and commercial—and
I have reached the conclusion that there
is more real gold as yet unmined in the
trade press field than in any other field
of advertising endeavor."—Extract
from address by R. R. Shuman, before
the annual convention of the Associated
Advertising Clubs at Omaha.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man
that the place to advertise commodities or
appliances special to any given industry is in
the publications that reach that industry and
that such advertising, if well written, well
displayed and persistently kept up, will not
only effect the desired sales, but will build up
a permanent good-will asset of inestimable
value. . . .—R. R. Shuman, in "Standard
Advertising."

Philadelphia is one of the busiest building
centers in the United States and "The Guide"
is the only medium that touches this golden
field.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have pre-
ceded me have told of the greatness of
our American industries, and have right-
ly given to advertising a large measure
of credit for our industrial and com-
mercial supremacy.

They have spoken of the daily and
weekly newspapers, the agricultural
press, the magazines, the billboards, the
street cars, and even the advertising
novelties, as the forces that have played
an important part in this wonderful
upbuilding, but they have wholly mis-
sed the greatest force of them all—the
trade and technical press of the coun-
try."—R. R. Shuman before the annual
convention of the Associated Adver-
tising Clubs at Omaha.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.
Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ransstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

C. G. A. Schmidt, Jr. & Co., Empire Bldg.,

Contractors' Equipment.

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Dampproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York.
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.
Electric Lighting, Power and Appliances.
Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.
Floor Finishes.
R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori- g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ransstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trus. Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terraza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

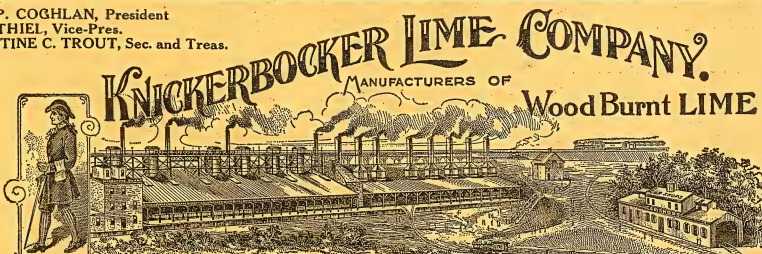
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
-CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY
112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Distinctive in Design Durable in Construction

LOGUE STRONGE MFG. CO.

Office—Showrooms—Factory
221 N. 16th Street Philadelphia, Pa.

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphalitic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 24.

PHILADELPHIA, WEDNESDAY, JUNE 16, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

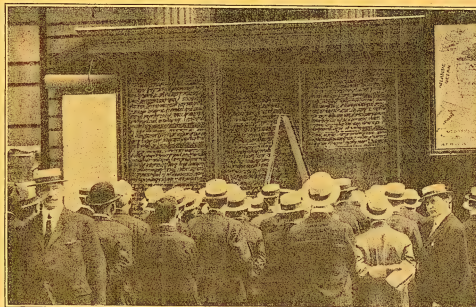
5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

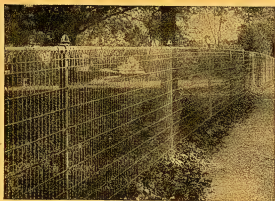
THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



PHILADELPHIA FIRE RETARDANT CO.

1614 CHERRY STREET

PHILADELPHIA, PA.

Rolled Steel Sash and Doors, Steel Stairs, Saino Fire Doors and Shutters, Steel Rolling Doors, Kalamein Doors, Metal Windows

WATERPROOFING

A Complete Line of

Integral and Membrane

Waterproofings, Dampproofings

Floor Hardeners and

Technical Paints

MAY WE SOLVE YOUR PROBLEM?

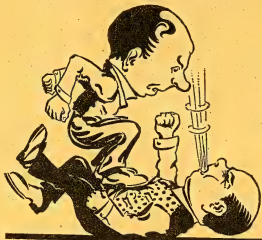
Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING MATERIALS



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

**ADOLPH CHRISTENSEN
CONTRACTOR**

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street

Philadelphia

Do Not Forget

when in the market for

WIRE PRODUCTS

THAT WE MAKE EVERYTHING IN WIRE:

Wire Cloth all grades,
Wire Window Guards,
Wire Partitions and Enclosures,
Wire Lath for Plastering Purposes,
Radiator Guards,
Gravel, Sand and Coal Screens,
Sieves and Riddles,
Special Forms.

Strawbridge & Chase Co., Inc.

AUDUBON, N. J.

ROBERT T. KORB, Pres.
HENRY H. COLLINS, Vice-Pres. } At Your
WM. H. EGEE, Sec. & Treas. } Service

Keystone, Main 3597. Bell, Haddon Heights 573.



You choose wisely when
you select "F-S" Products.

You make no mistakes in specifying
our "Pioneer" Paste Wood Filler and
Stain combined for open-grained woods,
and our "Model" Liquid Wood Filler for
close-fibred woods. They are prepared
under methods found during fifty years'
experience.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(114)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of
efficiency in composition
flooring has been ob-
tained in Leatherfloor.
It is fire-proof, water-
proof, dust-proof, germ
and vermin-proof, noise-
less, non-slipping, flexible,
elastic and inexpensive.

Leatherfloor is admirably
adapted for floors, base and
wainscoting, in Hospitals, Asylums, Schools, Churches,
Libraries, Theatres, Hotels, Restaurants, Apartment Houses,
Factories, Stores, Banks, Steamships, Yachts, Railroad Cars,
Etc. wherever a smooth, sanitary, fire and water-proof flooring
is desired.

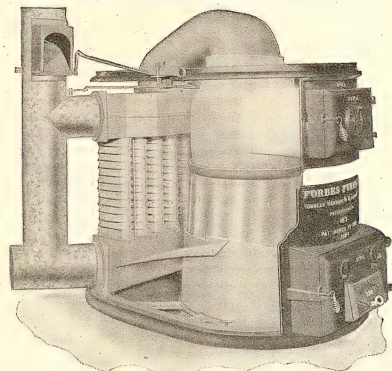
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a
minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction.
Easy to regulate. Quick to respond.

*Illustrated Catalog showing construction, install-
ations and satisfied users mailed on request.*

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases. Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.
1511 Sansom Street, Philadelphia

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

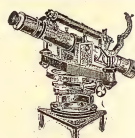
USE SCAMMELL Lath for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal Furring and Lathing

Land Title Bldg., Phila., Pa.

The only Expanded Metal Lath in Rolls
Patented February 17th, 1914



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sunshade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transit from \$15 to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material
1125 CHESTNUT ST., Philadelphia
Phones: Bell, Filbert 8605, 8604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 24.

PHILADELPHIA, WEDNESDAY, JUNE 16, 1915.

Less than One Year,
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building (alts. and add.), Schuylkill Arsenal, Philadelphia. Architect, private plans. Owners, U. S. Government, Quartermaster's Department, Schuylkill Arsenal. Brick, 2 stories, consists of 2 wings, 80x25 feet each, connecting brick and interior alterations, slate roof, steam heating, electric lighting, waterproofing, metal lath. Owners taking bids. William R. Dougherty, 1610 Sansom street; Charles Gilpin, Harrison Building, Philadelphia, are figuring.

Church (alts.), Twentieth and Spring Garden streets, Philadelphia. Architects, Brown and Whiteside, duPont Building, Wilmington, Del. Owners, Spring Garden M. E. Church, Rev. Linn Bowman, 2023 Wallace street, Philadelphia. Consists of general alterations, slate roofing, electric lighting, tile work (heating reserved). Architects taking bids, due June 16th. The following are figurini: Doyle & Co., 1519 Sansom street; Charles Gilpin, Harrison Building; J. Richard Jackson, Perry Building; R. J. Whiteside & Sons, 2115 Wallace street, Philadelphia.

Apartment House, Broad street, north of Wyoming avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Frederick Gehlbach, 4565 North Fifteenth street, Philadelphia. Brick, 4 stories, slag roof, steam heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

Residence and Garage, Mt. Airy avenue and Greene streets, Philadelphia. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Dr. Joseph Head, 1500 Locust street, Philadelphia. Stone, 2½ stories, 27x70 feet, shingle roof, oak floors (heating, plumbing, electric work, tile work, composition flooring, gasoline storage system reserved). Architect taking bids, due June 17th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; William J. Gruher & Co., 219 East High street; Samuel Harting, 20 East Johnson street; Thomas S. Seeds, 1207 Race street; Milton W. Young, Overbrook, Pa.

Residence and Garage, Chestnut Hill, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, E. T.

Stotesbury, Drexel Building, Philadelphia. Stone, 3 stories, fireproof. Too early for details. Plans about to be started.

Residence, Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner, Edw. J. Stoesser, 133 West Girard avenue, Philadelphia. Brick and plaster, 2½ stories, 25x40 feet, slate roof, electric lighting, hot water heating, tile work, oak floors. Architect has received bids.

Residence and Garage, Germantown, Philadelphia. Architect, R. H. Anderson, Lansdowne, Pa. Owner, W. G. Conover, 4314 Windsor avenue, Philadelphia. Stone, 2½ stories, 46x32 feet; wing, 20x20 feet, shingle roof, electric lighting, tile work. Owner has received bids.

Police and Fire House and Garage, Hunting Park avenue and Schuyler street, Philadelphia, \$120,000. Architects, Simon & Bassett, 1114 Chestnut street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, George D. Porter, Director, City Hall, Philadelphia. Brick, terra cotta, steel and concrete, fireproof, 3 stories, 120x150 feet, slag and tile roof, metal lath, composition flooring, tile work (heating, plumbing and electric work separate bids). Owners taking revised bids, due June 17th at noon. The following are figuring: Frank G. Stewart, 1619 Sansom street; F. Roe Searing, Perry Building; H. E. Baton, Twelfth and Sansom streets; H. H. Wehmeyer, 1004 Lehigh avenue; W. W. Anstine & Co., 1218 Filbert street; William R. Dougherty, 1610 Sansom street; Edward Fay & Son, 2 South Mole street; Abel Bottoms & Sons Co., 1 South Fifteenth street, Philadelphia.

Store Building (alt.), 1033-35 Market st., Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Frank & Sedar, Pittsburgh, Pa. Consists of general alterations, brick and steel, tile work, electric lighting, new power equipment, bulk windows. Plans in progress. Architect ready for bids in one week.

Store Building (alt. and add.), 503 Market street and 4 and 6 North Fifth street. Architects, Peuckert & Wunder, 310 Chestnut street,

Philadelphia. Owners, Haverford Cycle Co., 827 Arch street, Philadelphia. Brick and terra cotta, 4 stories, consists of new front and interior alterations, slag roof, steam heating, electric lighting, concrete fireproofing. Plans in progress.

Residences (3), St. Martins, Philadelphia. Architect, Robert R. McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, shingle roof, oak floors, tile work, electric lighting (hot water heating or hot air heating separate bids). Architect has received bids.

Recreation Buildings, Price and McMahon streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, City Hall, Philadelphia. Consists of recreation building, brick and terra cotta, 2½ stories, slate and slag roof, dampproofing, metal enameled bricks, iron stairs, metal lockers, composition uooring (heating, plumbing and electric work separate bids). Owners taking bids, due June 17th at noon. In addition to those previously reported, Frank G. Stewart, 1619 Sansom st.; Mitchell Bros., 1225 Race street; Stokes Bros., 6723 Musgrave street; P. J. Hurley, 1223 Cherry street; McCloskey & Bahls, Hale Building; Edward Fay & Son, 2 South Mole street; F. Roe Searing, Perry Building, all of Philadelphia, are figuring.

Residences (25), Redfield street and Lansdowne avenue, Philadelphia. Architect, private plans. Owner, William D. Wilson, 127 South Fifty-first street, Philadelphia. Brick, 2 stories, 75x15 feet, slag roof, hot water heating, electric lighting. Plans about completed. Owner ready for sub-bids.

Store (alt. and add.), 4334 Germantown avenue, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Joseph Z. Morris, 4332 Germantown avenue. Brick, 17x60 feet, electric lighting, hot water heating, parquet floors. Owner taking bids.

Hospital (alts.), Thirty-fourth and Spruce streets, Philadelphia. Architect, Brockie Hastings, 1713 Sansom street, Philadelphia. Owners, University of Pennsylvania Hospital, on premises. Consists of alterations to two

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



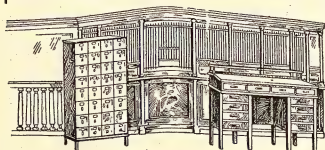
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK

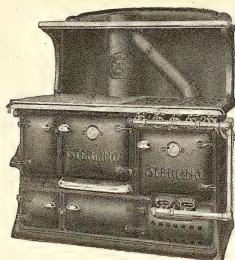


Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.

450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

rooms, metal lath, tile and marble work (heating and electric work reserved). Architects taking bids, due June 16th. The following are figuring: William R. Dougherty, 1610 Sansom street; Irwin & Leighton, 126 North Twelfth street; F. E. Wallace, 1210 Sansom street; George & Borst, 277 South Eleventh street; Stacy Reeves & Sons, 2011 Market street; Ewing & Endebrook, 1942 Delancey street.

Club House (alt. and add.), 5425 Germantown avenue, Philadelphia. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owners, Masonic Temple Association, on premises. Brick, 3 stories, slag roof, steam heating, electric lighting. Architects taking bids, due June 18th. The following are figuring: George C. Fossel, 128 East Cheltenham avenue; Morris Patterson, 443 East Woodlaw street; Kohl & Megargee, 124 East Gorgas street; Burd P. Evans & Co., Thirtieth and Wallace streets; Samuel Harting, 20 East Johnson street; A. P. Graim, 319 Market street, Philadelphia.

Store and Apartments, 1410-12 Susquehanna avenue, Philadelphia. Architect, Thomas Walter Mayo, 1701 Chestnut street, Philadelphia. Owner, A. E. Biester, 1410 Susquehanna avenue, Philadelphia. Brick, 3 stories, 38x85 feet, slag roof (plumbing, heating and electric work separate bids). Architect taking bids, due June 16th. The following are figuring, in addition to those previously reported: Thomas C. Trafford, 1613 Sansom street; F. B. Davis, 240 North Sixteenth street; William J. Grubler Co., 219 East High street, Philadelphia.

Store (alt. and add.), 2424 North Front street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, J. M. Stamm, on premises. Brick, 3 stories, electric lighting. Architects taking bids, due June 19th. The following are figuring: Matthew Morrison & Sons, 2322 North Howard street; F. I. Wintz, 1618 North Twenty-seventh street; Lam Building Company, 1001 Wood street; Smith-Hardican Co., 1606 Cherry street; George Hogg, 1634 Sansom street; Jacob Gaertner, 2214 North Third street, Philadelphia.

Convent (add.), Chestnut Hill, Philadelphia, \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Mt. St. Joseph's Convent, on premises. Stone and enameled bricks, 1 story, 30x60 feet, consists of kitchen wing, tin roof, steam heating, electric lighting, composition flooring, metal lath, dampproofing, steel sash, cold storage plant.

Architect taking bids, due June 16th. John McShain, 631 North Seventeenth street, Philadelphia, is figuring. (Only bidder.)

Gardener's Cottage (alt. and add.), Chestnut Hill, Philadelphia. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Mt. St. Joseph's Convent, on premises. Stone and brick, 2½ stories, 10x20 feet, slate and tin roof, steam heating, electric lighting, metal lath, dampproofing. Architect taking bids, due June 16th. John McShain, 631 North Seventeenth street, is figuring. (Only bidder.)

Saloon and Restaurant (alts.), 18 and 20 North Eleventh street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Thomas Peak, 14 North Eleventh street, Philadelphia. Brick, 4 stories, slag roof, steam heating, electric lighting, tile work. Plans in progress.

Residences (60), Sixty-fourth and Lansdowne avenue, Philadelphia. Architect, private plans. Owners, Moss & Taylor, Fifty-eighth and Girard avenue, Philadelphia. Brick, 2 stories, 16x50 feet each, slag roof, hot water heating, gas and electric lighting. Plans about completed. Owners will soon take sub-bids on all lines.

Police and Fire Station, Twenty-second and Hunting Park avenue, \$150,000. Architects, Simon & Bassett, 111½ Chestnut street, Philadelphia. Owner, City of Philadelphia, City Hall. Brick and steel and concrete and terra cotta, fireproof, 3 stories, 120x150 feet, slag and tile roof, metal lath, composition flooring, tile work (heating, plumbing and electric work, separate bids). Owner taking revised bids, due June 11th, at noon. In addition to those previously reported, Thos. M. Seeds, 1207 Race street; P. J. Hurley, 1233 Cherry street; J. B. Flounders, 1329 Arch street; Thomas Reilly, 1618 Thompson street; Chas. D. Burns, Bridgeport, Pa.; G. J. Reich, Broad street above Rockland street.

Occ Building (alts. and add.), Schuylkill Arsenal, Philadelphia. Architect, private plans. Owner, U. S. Government, Quartermaster's Department, Schuylkill Arsenal. Brick, 2 stories. Consists of 2 wings, 80x25 feet, connecting bridge and interior alterations, slate roof, steam heating, electric lighting, waterproofing, metal lath. Owner taking bids. In addition to those previously reported, P. J. Hurley, 1233 Cherry street; F. W. Van Loon, Denckla Building,

UNITAS TILING

A non metallic substitute for tile and wood

Manufactured by the
Embossed Wall Covering Co.
Office and Show Room
880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary
Easy to the Foot, Inexpensive, Quickly Installed.
Can be used over old or new floors and stairs, wood, concrete or any good foundation.

and Thos. M. Seeds, 1207 Race street, Philadelphia, are figuring.

Residences (15). Cheltenham avenue between Stenton and Price streets. Architect, B. J. Medoff, 524 Walnut street, Philadelphia. Owner, name withheld. Brick, 2 stories, 15x50 feet, slag roof, electric lighting, hot water heating, tile work, oak floors. Plans in progress. Architect will take bids in one week.

streets onoa andanronfaonraonhaonmaonb
Recreation Buildings, Price and McMahon streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building. Owner, City of Philadelphia, City Hall, Philadelphia. Consists of Recreation Building, brick and terra cotta, 2½ stories, slag roof, 11x140 feet, swimming pool and dressing rooms, 51x177 feet, slate and slag roof, dampproofing, metal lath, enameled bricks, iron stairs, metal lockers, composition flooring (heating, plumbing and electric work, separate bids). Owner taking bids, due June 17th, at noon. In addition to those reported, Monaghan & Losse, 214 South Twelfth street; P. J. Hurley, 1233 Cherry street, and F. W. Van Loon, Denckla Building, are figuring.

Loft Building, N. E. Cor. Eleventh and Race streets, Philadelphia. Architects, Balinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Manufacturers' Realty Co., Eleventh and Race streets. Concrete, 6 stories, slag roof (Architect taking separate bids on heating, electric work, sprinklers, boilers, engines, generators). Architects taking bids, due June 22nd. Wm. Steele & Sons, 1600 Arch street; H. C. Rea Co., 1021 Wood street;

H. E. Baton, Twelfth and Sansom streets; Cramp & Co., Denckla Building; Ketcham & McQuade, 1029 Brown street; Turner Concrete Steel Co., 1713 Sansom street; Doyle & Co., 1519 Sansom street; Barclay White Co., Perry Building, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Residence, Chestnut Hill, Philadelphia. Architects, McIver Construction Co., Heed Building. Owner, Harry Strause, care of architects. Stone and stucco, 2½ stories, 30x35 feet, slate and tin roof, tile work, steam heating, electric lighting. Architects taking bids, due June 18th. The following are figuring: Specht & Sperry, Heed Building; Supple Const. and Cont. Co., Bulletin Building, Philadelphia, and H. W. Brightly, 1216 North Thirty-fourth street, Camden, N. J.

Warehouse, Morris and Water streets, Philadelphia. Architect, private plans. Owners, W. J. McCahan Sugar Refining Co., 101 South Front street, Philadelphia. Concrete and steel, 64x142 feet. Owners are taking bids on foundations only, due June 18th. Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; H. E. Baton, Twelfth and Sansom streets, and Armstrong & Latta, Land Title Building, are figuring.

Post Offices (alts.), Ninth and Chestnut sts., Philadelphia. Architect, private plans. Owner, U. S. Government, Treasury Department, Washington, D. C. Consists of wire screen enclosures for Rooms Nos. 220, 221, 222, 223. Owners taking bids, due June 25th, at 2 P. M. The following are figuring: William R. Dougherty, 1610 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; Joseph Price, 2048 Rittenhouse street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory, Twenty-fifth and Locust street, Philadelphia. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owners, A. H. & F. H. Lippincott, Inc., Twenty-fourth and Locust streets, Philadelphia. Reinforced concrete and brick, 4 stories, 110x190 feet, slag roof, steam heating, electric lighting, elevators, sprinkler system, power plant, brick stack. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

Store and Apartments (alt. and add.), 55 North Fifty-second street, Philadelphia. Architect, R. Werner, 5133 Market street, Philadelphia. Owner, Louis S. Heim, 53 North Fifty-second street, Philadelphia. Brick, 3 stories, 18x94 feet, slag roof, expanded metal lath, hot water heating, electric lighting. Contract awarded to LeRoy K. Smith, Forty-first and Chester avenue.

Garage, 1319 Reno street, Philadelphia, \$1,500. Architect, private plans. Owner, Patrick McNichol, 1320 Parrish street, Philadelphia. Brick, 2 stories, slag roof, electric lighting, cement floors. Contract awarded to J. J. Carmichael, 1520 Fairmount avenue, Philadelphia.

Garage, 709 DeLancey street, Philadelphia,

\$800. Architect, private plans. Owners, Church Training and Deaconess House, on premises. Brick, 1 story, slag roof, cement floors. Contract awarded to Elfreth & Wood, 1708 Sansom street, Philadelphia.

Garage (alt. and add.), Jasper and Westmoreland streets. Architect, David Supplee, 152 East Washington lane, Germantown. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 2 stories, slag roof, steam heating, electric lighting. Contract awarded to W. H. Merriek, 1426 South Eighteenth street, Philadelphia.

Store and Dwelling, 40 West Cheltenham avenue, Philadelphia, \$6,500. Architect, private plans. Owner, Dr. J. E. Bronson, 40 West Cheltenham avenue, Philadelphia. Brick, 2 stories, 22x50 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work, plumbing. Contract awarded to W. C. Wright, 22 Harvey street, Philadelphia.

Church and Parish House, Forty-second and Woodland avenue, \$5,000. Architects, Duh-ring, Okie & Zeigler, Bailey Building, Philadelphia. Owners, Protestant Episcopal Colored Church, care of architects. Brick, 1 story, 65x143 feet, slate roof, steam heating,

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

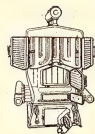
T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

—MILLS—



"Reputation"

Some of the most famous buildings in the country are equipped with **Mills Water Tube Boilers.**

They are always found where "GOOD QUALITIES" count.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

C. G. A. SCHMIDT, JR. & CO.
EMPIRE BUILDING, PHILA., PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

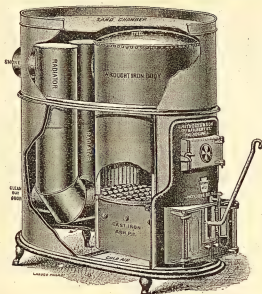
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Our entire staff of experts is at your service to co-operate in the planning of gas installations for any operation work.

Whether your requirements involve installation of All-Gas Kitchens or the piping of houses for illumination, we are ready to serve you.

Call up our "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

electric lighting. Contract awarded to O'Neil & Co., 7811 Germantown avenue.

Store and Dwelling (alt. and add.), 1020 Pine street, \$5,300. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Weloderker Building and Loan Association, care of Sol Baronbaum, 2416 North Thirty-second street, Philadelphia. Brick, 3 stories, 20x75 feet, electric lighting, steam heating, slag roof. Contract awarded to Jacob Gorchov, 4116 Girard avenue.

Garage (alt. and add.), Seventh and Dauphin streets, Philadelphia. Architect, Frederick J. Ritter, Washington Hotel, Seventh and Dauphin streets, Philadelphia. Owner, P.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Oliver Derr, on premises. Brick, 3 stories, 36x180 feet, electric lighting, steam heating. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Warehouse, Delaware avenue and Pine st., Philadelphia. Architect, private plans. Owners, Pennsylvania Warehousing and Safe Deposit Co., 113 South Third street. Reinforced concrete, 8 stories, 58x119 feet, slag roof, carborundum treads, steel sash, kalamein doors, rolling steel shutters, fire doors (electric work and elevator reserved). Contract awarded to Turner Concrete Steel Co., 1713 Sansom street, but not yet signed.

Factory, Seventh and Wood streets, Philadelphia. \$25,000. Architect, Herman Miller, Crozer Building, Philadelphia. Owner, Chas. W. Lawser, 12 Cherry street, Philadelphia. Sayre & Fisher Brick, concrete and steel, 3 stories, 50x90 feet, slag roof, electric lighting, steam heating, safety treads, metal frame and sash, waterproofing. Contract awarded to Barclay White Co., Perry Building, Philadelphia.

PENNSYLVANIA

Construction News

Store and Apartments, Easton, Pa. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owner, M. Krohn, Easton, Pa. Brick, 5 stories, 60x110 feet, composition roof, steam heating, electric lighting, ornamental iron, elevator, composition flooring. Revised plans in progress.

Store Building, Easton, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, L. B. Hachman, Easton, Pa. Brick, 1 story, 20x96 feet, slag roof, steam heating, electric lighting, tile work. Plans about completed. Architect will take bids in a few days.

Post Office, South Bethlehem, Pa., \$100,000. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Stone and steel, fireproof, 2 stories, composition and copper roof, steam heating, electric lighting. Plans in progress.

High School (add.), Parkesburg, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Geo. W. Lufkin, Secretary, Parkesburg, Pa. Brick, 2 stories, 63x55 feet, slag or asbestos roof, metal lath, dampproofing, metal ceilings (heating, plumbing and electric work separate bids). Owners taking bids, due June 23rd. The following are figuring: F. Roe Searing, Perry Building; Eugene Tourison, 1001 Chestnut street; McCloskey & Bahls, Hale Building; Berry-Goodwin Co., 136 South Fourth street, all of Philadelphia; W. J. Elliott, Coatesville, Pa.; Joseph L. Aiken, Vintage, Pa.

Bridge, over Schuylkill River, Manayunk, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Concrete and steel, 1,600 feet long. Owners taking bids, due June 23rd at 10 A. M. The following are figuring: P. F. Brendlinger, Commercial Trust Building; Jas. McGraw Co., Commercial Trust Building; M. J. McMenamin, Commercial Trust Building; Reiter, Curtis & Hill, Commercial Trust Building; T. L. Eyre, Commercial Trust Building; Brown-King Const. Co., Commercial Trust Building; Charles McDermott Co., Pennsylvania Building; John Goll & Co., 1539 Filbert

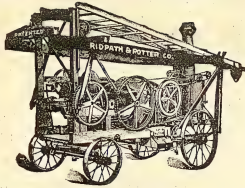
street; John A. Kelly Co., Pennsylvania Building; Keystone State Const. Co., Pennsylvania Building; P. McManus, Inc., Commercial Trust Building; F. H. Clement & Co., Land Title Building, all of Philadelphia; Hyde-McFarlin Burke Co., 90 West street; H. S. Kerbaugh, Inc., 6 Church street; Arthur McMullen Co., Singer Building; Henry Steers, Inc., 17 Battery Place; Holbrook, Cabot & Rollins, 52 Vanderbilt avenue; Frazer, Brace & Co., 1328 Broadway; Mason, Bilton & Co., 17 Battery Place; E. E. Smith Const. Co., 101 Park avenue, all of New York City; Smith-McCormick Co., Easton, Pa.; Drake Contracting Co., Pittsburgh, Pa.; Snares & Triest, Woolworth Building, New York City; L. H. Foelt & Son, Baer Building, Reading, Pa.; A. L. Anderson & Bros., Altoona, Pa.

Dairy Building, Croysden, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Joseph E. Grundy, Bristol, Pa. Hollow tile and plaster, 1 story, 40x150 feet; wing 30x100 feet, asphalt shingle roof, cork blocks and concrete floors, electric lighting. Plans about completed. Architects will take bids in about one week.

Residence, Beth Ayres, Pa., \$8,000. Architect, Thomas B. Lippincott, Huntington Valley, Pa. Owner, Walter G. MacFarland, Asbury Terrace, Oak Lane. Stone and frame, 2½ stories, shingle roof, oak floors, electric lighting. Architect taking bids. The following are figuring: James B. Plouderers, 1329 Arch street, Philadelphia; Henry Specht, Jr., Willow Grove, Pa.; W. John Stevens, Wynette, Pa.; E. D. Lever, Abington, Pa.

School Buildings, Ogontz, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Miss A. A. Sutherland, Ogontz, Pa. Stone, fireproof, 1, 2 and 3 stories, consists of administration building, dormitory, gymnasium, laboratory building, studio, garage and gardener's cottage, slate roof, steam heating, electric lighting, metal lath. Plans in progress.

Race Track, Warminster Township, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Philadelphia Motor Speedway Association, 1629 Land



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

Title Building, Philadelphia. Consists of two-mile race track, stadium to seat 60,000 people, grand stand to seat 80,000 people, stables, garage, aeroplane sheds, etc., concrete, steel frame and brick. Plans about complete. Owners will take sub-bids on all lines.

Home Buildings (5), near Muncy, Pa., \$250,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, State of Pennsylvania Home for Criminal Women, Geo. Quintard Horwitz, chairman of Building Committee, West End Trust Building, Philadelphia. Stone and brick, 2 1/2 stories, 2 cottages, 109 x38 feet each; 1 cottage, 96x36 feet; 1 cottage, 96x79 feet; administration building and school, 153x74 feet; slate roofs, concrete fireproofing, waterproofing and dampproofing, slate blackboards, metal lath, canvas floors (steam heating, electric work and plumbing separate bids). Owners taking bids, due June 30th at noon. Plans may be obtained from architect upon deposit of \$100. The following are figuring: Edw. Fay & Son, 2 South Mole street; Frank G. Stewart, 1619 Sansom street; George & Borst, 277 South Eleventh street; P. H. E. Baton, Twelfth and Sansom streets; P. H. Roe Searing, Perry Building, all of Philadelphia; Connors Bros. Co., 64 West Eighty-eighth street, New York City; James V. Bennett & Co., A. C. Everhart and Samuel Larive, all of Williamsport, Pa.

High School, Renove, Pa. Architects, Woodnutt & Schmohl, Williamsport, Pa. Owners, Board of Education, Renove, Pa. Brick and brownstone, 2 stories, 182x54 feet, slag roof, waterproofing and dampproofing, iron stairs, steel sash, metal doors, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due July 1st. F. Roe Searing, Perry Building, Philadelphia, is figuring.

Residence and Garage, Haverford, Pa., \$35,000. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owner, Sidney Thayer, Merion, Pa. Stone, hollow tile and plaster, 2 1/2 stories, tile roof, hot water heating, electric lighting, oak floors, tile work. Plans in progress. Architects will take bids in about two weeks.

Residence (alt. and add.), 20 South Tenth street, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Mrs. J. J. Knoll, Reading, Pa. Brick, 2 stories, 20x66 feet, tin roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Bungalow, Annville, Pa., \$5,000. Architect,

Wayne M. High, Reading, Pa. Owner, Dr. Joseph Shank, Annville, Pa. Stone, 2 stories, 32x28 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work, metal lath. Plans in progress.

Bungalow, Reading, Pa. Architect, private plans. Owner, H. C. Long, 365 Schuylkill avenue, Reading, Pa. Brick, 1 story, 26x40 feet, slate roof, hot air heating, electric lighting, hardwood floors, tile work. Owner is sub-letting all contracts.

Residences (9), Reading, Pa., \$36,000. Architect, private plans. Owner, Samuel F. Blatt, 833 Centre street, Reading, Pa. Stone and brick, 2 stories, 17x29 feet each, slate and tin roofs, hot air heating, electric lighting. Owner is taking sub-bids.

High School (add.), Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Board of Education, Bethlehem, Pa. Brick, 1 story, 88x63 feet, slag roof, metal lath (heating, plumbing and electric work separate bids). Owners are taking bids.

School Building, Bath, Pa., \$25,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Board of Education, Bath, Pa. Brick, 2 stories, 86x64 feet, slag roof, metal lath, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due June 28th.

Residences (100), Easton, Pa. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owner, Thomas Dunn, Fleming Building, Easton, Pa. Hollow tile and stucco, 2 stories, 28x35 feet each, slag roofs, hot air heating, electric lighting, metal lath. Owner is taking bids.

Residence, Lebanon, Pa., \$4,500. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owner, Mrs. W. B. Siegrist, Annville, Pa. Brick, 2 1/2 stories, 24x27 feet, asbestos shingle roof, hot air heating, electric lighting. Owner is taking bids.

Twin Residence, West Lawn, Pa., \$7,000. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owner, Ralph K. Derr, 534 West Seventeenth street, Reading, Pa. Brick, 2 1/2 stories, 38x78 feet, asbestos shingle roof, hot water heating, electric lighting. Architect taking bids, due June 12th. The following are figuring: O. B. S. Wilder, Reading, Pa.; William Walter, West Lawn, Pa.; Haupt & Rentz, Wyomissing, Pa.; J. W. Sherman, Rosedale, Pa.

Church and Sunday School, Derry, Pa., \$12,000. Architect, A. A. Ritcher, Sixth and Court street, Reading, Pa. Owners, St. Paul's Reformed Church, Rev. W. H. Landis, Derry,



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your
Roof Leak?

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1866

WOOD WORK OF QUALITY



Mill Work
Stair Work
Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings

New Illustrated Catalogue No. 1432 mailed on request

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

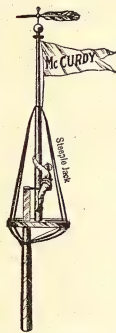
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
38 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.
PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

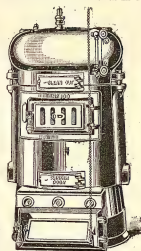
R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
308 Chestnut St., Phila.



"NOVELTY REMINDERS"—Number One

A "NOVELTY" Hot Water, Steam or Warm Air Heater

in the cellar means satisfaction and comfort throughout the house.

The original design, perfect construction and economy in operation of "NOVELTY" Ranges, Boilers and Furnaces have made them the best known and most popular appliances in the East.

OUR BUILDERS' CATALOG IS NOW READY

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE
Philadelphia
American and Dauphin Sts.

Pa. Brick and terra cotta, 1 story, 40x80 feet, slate roof, vapor heating, electric lighting. Owners taking bids, due June 15th. The following are figuring: George Mommy & Bro. and Birely & Shirey, both of Derry, Pa.; John Hermann, Latrobe, Pa.

School Building, Bowmanstown, Pa., \$8,000. Architect, Wayne High, Reading, Pa. Owners, Board of Education of Perry Township, Shoemakersville, Pa. Brick, 1 story, 50x51 feet, slate roof, steam heating, electric lighting. Plans completed. Owners ready for bids.

School Building, Shoemakersville, Pa., \$18,000. Architect, Wayne High, Reading, Pa. Owners, Board of Education of Perry Township, Shoemakersville, Pa. Brick, 2 stories, 73x69 feet, slate roof (hot air heating, plumbing and electric work separate bids). Plans completed. Owners ready for bids.

Church and Sunday School, Sunbury, Pa., \$35,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, First United Evangelical Church, Sunbury, Pa. Brick, stone and terra cotta, 1½ stories, 60x120 feet, slate roof, vapor or steam heating, electric lighting, metal lath, dampproofing and waterproofing. Plans in progress.

Sunday School (alt. and add.), Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Mark's Reformed Church, Lebanon, Pa. Brick, stone trimmings, 1 story, 20x40 feet, tin roof, steam heating, electric lighting. Plans completed. Owners ready for bids.

Garage, Green Tree, Pa. Architects, Chas. W. Bolton & Co., Witherspoon Building, Philadelphia. Owner, William R. Warner, Jr., Green Tree, Pa. Brick, 1 story, 25x50 feet, asbestos shingle roof, electric lighting, cement floors. Plans in progress. Architects will take bids in about one week.

Residences (3), Springfield, Pa., \$12,000. Architects, Savery, Schoetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building, Philadelphia. Stone and plaster, 2½ stories, 26x38 feet each, shingle roof, hot water heating, electric lighting. Architects taking bids, due June 17th. W. Harry Roberts, P. O. Ardmore, Pa., is figuring.

Residence, Broad street, Lansdale, Pa., \$6,000. Architect, M. B. Bean, Lansdale, Pa. Owner, Mrs. H. Woodhouse, Lansdale, Pa. Brick, 2½ stories, 35x49 feet, slate roof, hot water heating, electric lighting, oak floors. Plans in progress.

Residence (alt. and add.), Conshohocken, Pa., \$4,600. Architect, M. B. Bean, Lansdale,

Pa. Owner, Horace Jones, Conshohocken, Pa. Wood and stucco, 2½ stories, 35x40 feet, slate roof, steam heating, electric lighting, hardwood floors, fireplaces. Plans in progress.

Bungalow, Lansdale, Pa., \$4,400. Architect, M. B. Bean, Lansdale, Pa. Owner, Jack L. White, Lansdale, Pa. Brick, 2 stories, 33x35 feet, asbestos shingle, hot air heating, electric lighting. Architect taking bids, due June 19th.

Hall Building, Ardmore, Pa. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owners, Cassia Lodge, No. 273, F. and A. M., Ardmore, Pa. Stone, 2 stories and basement, 89x51 feet, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in a few days.

Residence, Villa Nova, Pa. \$35,000. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, John R. Maxwell, Jr., Morris Building, Philadelphia. Hollow tile and stucco, 2½ stories, 61x39 feet, and 31x29 feet, green slate roof, oak floors, metal lath, tile work (heating and electric work reserved). Architects taking bids, due June 21st. Wm. R. Dougherty, 1610 Sansom street; E. E. Hollenback, Fifteenth and Race streets; H. H. Weh-meyer, 1004 Lehigh avenue; George & Borst, 277 South Eleventh street; Pringle Borthwick, 8018 Germantown avenue; Milton W. Young, Overbrook, Philadelphia; Frank H. Mahan, Ardmore, Pa.; J. D. Lengel, Wayne, Pa.; L. H. Focht & Son, Reading, Pa.

Church and Sunday School, West Chester, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owner, West Chester M. E. Church, Jas. L. King, Chairman Building Committee, West Chester, Pa. Stone, 1 story, 40x80 feet, electric lighting. Plans in progress.

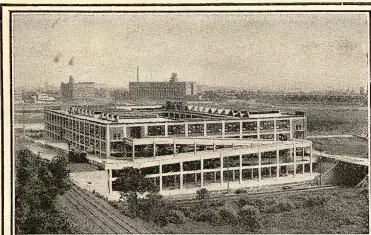
Residence, Lansdowne, Pa. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, H. H. Stevens, Lansdowne, Pa. Hollow tile or frame and stucco, 2½ stories, 30x50 feet, shingle roof, hot water heating, electric lighting. Architect taking bids, due June 29th. The following are figuring: M. Roy Sheen, 450 North Wilton street; Wm. C. Shuster, Lansdowne, Pa.; Chas. T. Moore and J. K. Ingram, Lansdowne, Pa.; J. B. Plouders, 1329 Arch street; Harry Davis, 5106 Westminster avenue; Sutton & Stephenson, 1317 Washington avenue.

Residence (alt. and add.), Berwyn, Pa.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, E. Lewis Burnham, Berwyn, Pa. Stone and

frame, 2½ stories, shingle roof, electric lighting. Architect has received approximate bids.

PENNSYLVANIA

Contracts Awarded

Store and Apartments (alt. and add.), Easton, Pa. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owner, H. Kilbansky, Easton, Pa. Brick, 3 stories, 30x65 feet, slag roof, steam heating, electric lighting. Contract awarded to L. Davison, Easton, Pa.

Residence, Easton, Pa., \$5,000. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owner, Harlan Woehrlé, 619 Summit avenue, Easton, Pa. Stone and shingle, 2½ stories, 38x33 feet, slate roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Contract awarded to William Snyder, Easton, Pa.

Residence, Easton, Pa. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owner, William R. Strunk, 1911 Lehigh street, Easton, Pa. Brick, 2½ stories, 32x30 feet, slate roof, hot water heating, electric lighting. Contract awarded to Fred Davis, Easton, Pa.

Residence, Easton, Pa., \$12,000. Architect, William M. Michler, Drake Building, Easton, Pa. Owner, Robert Stetz, Easton, Pa. Stone and stucco, 2½ stories, 31x81 feet, slate roof, hot air heating, electric lighting, hardwood floors, tile work, dampproofing. Contract awarded to William Snyder, Easton, Pa.

Twin Residence, Easton, Pa. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owner, George Lennox, Easton, Pa. Brick, 3 stories, 32x42 feet, slate roof, hot air heating, electric lighting. Contract awarded to George Lutz, Easton, Pa.

Bank Building, Elverson, Pa., \$4,000. Architect, Wayne M. High, Reading, Pa. Owners, Elverson National Bank, care of Henry Zook, Elverson, Pa. Stone and terra cotta, 1 story, 28x30 feet, tile roof, steam heating, electric lighting, tile work, banking fixtures. Contract awarded to Focht & Lacey, Birdsboro, Pa.

Foundry Building, Reading, Pa., \$5,000. Architect, private plans. Owners, Reading Steel Casting Co., Reading, Pa. Galvanized iron and steel, 1 story, 40x62 feet, Carey's roof, electric lighting. Contract awarded to George A. Koch, 1024 Robeson street, Reading, Pa.

Office Building, Reading, Pa., \$3,000. Architect, private plans. Owners, Carpenter Steel Co., Reading, Pa. Corrugated iron, 1 story, 24x60 feet, Carey's roof, steam heating, electric lighting. Contract awarded to Daniel H. Hunter, 820 North Eleventh street, Reading, Pa.

Church, Dickson City, Pa., \$40,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, St. Thomas' R. C. Church, Rev. H. J. Garrity, Dickson City, Pa. Brick and terra cotta, 2 stories, 54x100 feet, slate or tile roof, steam heating, electric lighting, ornamental iron work, marble work. Contract awarded to Beilman & Son, Scranton, Pa.

Residence, Bethlehem, Pa., \$25,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Howard Knoch, Bethlehem, Pa. Brick and stucco, 3 stories, 40x38 feet; wing 18x32 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to George Heller, Bethlehem, Pa. **Stock Pens,** Hershey Island, Pittsburgh, Pa., \$100,000. Architect, private plans. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, steel and concrete, 1 and 2 stories, 190x512 feet, asbestos roof, metal frames and sash (lighting reserved). Contract awarded to Bailey-Lush Co., Abbott Building, Philadelphia.

Residence, Center Point, Pa., \$3,000. Architect, M. B. Beon, Lansdale, Pa. Owner, H. L. Sanders, Center Point, Pa. Brick, 2 stories, 25x35 feet, slate roof. Contract awarded to Sill Greesman, Hatfield, Pa.

Bungalow, West Point, Pa., \$3,500. Architect, M. B. Beon, Lansdale, Pa. Owner, Edward Hallmeyer, West Point, Pa. Hummelstown bricks, 1½ stories, 30x35 feet, shingle roof, electric lighting. Contract awarded to Wellington Godshalk, Kulpville, Pa.

Administration Building, Newtown Square, Pa., \$50,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Garrett Williamson Lodge, North American Building, Philadelphia. Stone, 2½ stories, 55x165 feet, slate roof (heating and light reserved, maple floors, metal lath. Contract awarded to Roydhouse-Arey Co., Fidelity Building, Philadelphia.

The world is just chock full of men who failed because they expected buyers to romp right in and ask for goods. Modern business spends big money simply to get the buyer interested knowing that sales follow.

One way to escape the income tax is to quit advertising and do less business.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked 1½" x 2¼" and 3¼" face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS

Commonwealth Bldg. - Philadelphia

If you've got a specialty that will commend itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pippin that there is either something better on the market or your specialty isn't worth a kopeck noway.

ABSOLUTELY NECESSARY.

We may live without poetry, music and art;
We may live without conscience and live without heart;

We may live without friends, we may live without fads;

But business to-day cannot live without ads.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything—"Novelty News."

NEW JERSEY Construction News

Wagon Factory, Fifth street, above Market street, Camden, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owner, R. Preisdanz, 15 Market street, Camden, N. J. Reinforced concrete, 4 stories 96x100 feet, slag roof, steam heating, electric lighting. Plans about completed. Architect will take bids in about one week.

Factory Building, Camden, N. J., \$10,000. Engineer, Jacob O. Clarke, Franklin Building, Philadelphia. Owners, MacAndrews & Forbes Co., Camden, N. J. Brick, 1 story, 86x92 feet, slag roof, electric lighting, cement floors. Builders, Barclay White & Co., Perry Building, Philadelphia, taking sub-bids.

Residence (alt. and add.), Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, W. D. Buzby, Moorestown, N. J. Stone and frame, 2½ stories, electric lighting. Architect taking bids, due June 16th. The following are figuring: George W. Shaner, Palmyra, N. J.; Stewart L. Maines, Moorestown, N. J.; J. S. Rogers Co., Moorestown, N. J.

School, Ato, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Waterford Township Board of Education, Amos Peacock, Secretary, Ato, N. J. Brick, 2 stories, 52x49 feet, slate roof, safety treads, metal lath (heating, plumbing, electric work separate bids). Owners taking bids, due June 21st. The following are figuring: Berry-Goodwin Co., 136 South Fourth street; McCloskey & Bahl, Hale Building, both of Philadelphia; W. R. Titus, Woodbury, N. J.; J. Elmer Rief, Berlin, N. J.

School Building, Collingswood, N. J., \$25,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Collingswood, N. J. Brick, stone trimmings, 2 stories, composition roof, metal lath, concrete floors, safety treads (heating, plumbing, electric work separate bids). Owners taking revised bids, due June 24th.

Apartment House, Raleigh avenue, Atlantic City, N. J. Architect, Richard C. Loos, 1017 Chestnut street, Philadelphia. Owner's name withheld. Brick and terra cotta, 4 stories, 170x225 feet, promenade tile roof, vapor vacuum heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, East Wenonah, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Mrs. George Austin Little, Wenonah, N. J. Brick, frame and plaster, 2½ stories, 58x38 feet, shingle roof (heating, plumbing, lighting, tile work and electric work reserved). Architect taking bids, due June 21st. The following are figuring: R. C. Ballinger, 218 North Thirteenth street; J. S. Rogers Co., Moorestown, N. J.; William V. Berg, Fifty-ninth and Center streets, Ocean City, N. J.

Residences (2), 1456 Rose street, Camden, N. J. Architect, private plans. Owner, Joseph Ponkiewicz, 1243 Everett street, Camden, N. J. Brick, 2 stories, 14x30 feet, slag roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Residence, Burlington, N. J., \$5,000. Architect, H. A. Brown, Burlington, N. J. Owner, R. M. Gould, Columbus, N. J. Frame and stucco, 2 stories, 36x37 feet, shingle roof, hot air heating, electric lighting, hardwood floors, tile work, metal lath. Plans about completed. Owner will take bids in a few days.

Residence and Garage, Trenton, N. J. Architect, J. P. Pette, 131 Jackson street, Trenton, N. J. Owner, Duncan A. Mackenzie, 1402 Greenwood street, Trenton,

N. J. Hollow tile and stucco, 2½ stories, 40x44 feet, and 24x26 feet, green slate roof, hot water heating, electric lighting, hardwood floors, tile work, dampproofing (hot water heating and plumbing, reserved). Architect taking bids, due June 24th. The following are figuring: Scott & Day, Thomas Connigan, Burton & Burton, Winfield Hill and Charles Smith, all of Trenton, N. J.

Police Stations (2) (alts. and adds.), Trenton, N. J., \$25,000. Architect, W. P. Endebrook, American Mechanics Building, Trenton, N. J. Owner, City of Trenton, Department of Public Safety, City Hall. Brick, 1 story, 30x30 feet, 40x80 feet, tin and slag roofs, steam heating, electric lighting, shower baths, metal lath. Wm. R. Vvins, 705 Monmouth street, Trenton, N. J., submitted the lowest bid.

Church, Trenton, N. J., \$16,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Shiloh Baptist Church, Trenton, N. J. Brick, 1 story, 36x61 feet, slate roof, steam heating, electric lighting. Architects taking bids. The following are figuring: Scott & Day, Lehigh & Son, Burton & Burton, W. J. and J. H. Morris, and S. W. Mather & Son, all of Trenton, N. J.

Residence, Trenton, N. J., \$8,500. Architects W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, G. H. Bell, 634 West State street, Trenton, N. J. Brick, stone trimmings, 2½ stories, 38x38 feet, slate roof, electric lighting, hardwood floors, tile work (heating, reserved). Architects taking revised bids, due June 21st. The following are figuring: Ed La Rue, Scott & Day, S. W. Mather & Son, Burton & Burton, Charles R. Randall, all of Trenton, N. J.

Residences (3), Trenton, N. J. Architect, private plans. Owners, Smith & Cook, Trenton, N. J. Brick, 2½ stories, 15x32 feet each, slate and tin roofs, hot air heating, gas lighting. Owners are sub-letting all contracts.

School (add.), Beverly, N. J. Architect, H. A. Brown, Burlington, N. J. Owner, Board of Education, Clarence Hazzard, Secretary, Beverly, N. J. Brick, 2 stories, 60x50 feet. Owner is taking bids on plumbing and heating, due June 26th.

Residences (54), Trenton, N. J., \$100,000. Architect, private plans. Owner, Thomas Wilson, Trenton, N. J. Brick, 2½ stories, 14x38 feet each, slate and tin roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Factory, Yardville, N. J., \$30,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton, N. J. Owner, Chandler Oil Cloth Co., Yardville, N. J. Brick and steel, 2 stories, 76x160 feet, and 30x100 feet, and 110x36 feet, slag and concrete roofs, steam heating, electric lighting, concrete floors, metal sash, fire doors (38), ventilators. Architect taking bids.

Residence, Hopewell, N. J., \$7,000. Architects, W. W. Slack & Sons, American Mechanics Building, Trenton, N. J. Owner, F. C. Bodine, Hopewell, N. J. Brick, 2½ stories, 30x50 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Porches, Ancora, N. J. Architect, Thomas Stephen, Masonic Temple Building, Camden, N. J. Owner, Camden County Board of Freeholders, Frederick Fries, Chairman,

Haddon Heights, N. J. Frame and glass, 70x14 feet, slag roof, copper wire screens. Owner taking bids, due June 19th.

Club House, Bridgeton, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple Building, Camden, N. J. Owner, Cohanisik Country Club, Richard M. More, Bridgeton, N. J. Frame and concrete, 2½ stories, 80x44 feet, shingle roof, steam heating, electric lighting, oak floors, metal lockers, bowling alleys. Owner is ready for bids.

Hotel, Stone Harbor, N. J., \$15,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owner, A. V. Arrow-smith, 5330 Spruce street, Philadelphia. Frame and stucco, 2 stories, 60x70 feet, shingle roof, not water heating, electric lighting, composition flooring, metal lath, dampproofing. Plans in progress. Architects will take bids in about one week.

Milk Station and Boiler House, Maryland, Md., \$5,000. Architect, Thomas Stephen, Masonic Temple Building, Camden, N. J. Owner, name withheld. Frame and concrete, 1 story, 24x57 feet, asbestos shingle roof, concrete floors. Plans in progress.

Cottages (3), Atlantic and Marion avenues, Atlantic City, N. J. Architect, B. Ireland, Guarantee Trust Building, Atlantic City. Owner, John Stafford, 1114 Chestnut street, Philadelphia. Rough cast and stucco, 2½ stories, 54x28 feet, slate roof, electric lighting, hardwood floors. Owner taking bids.

New Jersey

Contracts Awarded

Garage, 438 Liberty street, Camden, N. J. Architect, private plans. Owner, Harvey B. Brook, on premises. Brick, 1 story, 21x40 feet, slag roof, steam heating, electric lighting, concrete floors. Contract awarded to Benj. F. Horner, 1192 Haddon avenue, Camden, N. J.

Twin residence, Phillipsburg, N. J. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owners, Person & Burkholder, Phillipsburg, N. J. Brick, 2½ stories, 44x40 feet, slate roof, hot water heating, electric lighting. Contract awarded to Marnell & Fisher, Phillipsburg, N. J.

Store Fronts (3), Washington, N. J. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owner, Harry Christine, Washington, N. J. Brick, 1 story, 40x57 feet, electric lighting. Contract awarded to Archibald Lance, Washington, N. J.

Apartment House, Phillipsburg, N. J., \$7,500. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owners, O. E. Person & A. R. Burkholder, Phillipsburg, N. J. Brick, 2½ stories, 44x55 feet, slate roof, steam heating, electric lighting, composition flooring. Contract awarded to Marnell & Fisher, Phillipsburg, N. J.

Residence, Bridgeton, N. J., \$6,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owner, W. H. C. Banks, Bridgeton, N. J. Hollow tile and stucco, 2½ stories, 40x25 feet, shingle roof, hot water heating, electric lighting, tile work. Contract awarded to Carl & Carl, Bridgeton, N. J.

School (alts.), New Egypt, N. J., \$5,000. Architects, Moffett & Stewart, 30 North Third street, Camden. Owners, Board of Education, New Egypt, N. J. Consists of new brick and concrete stairs, hot air heating, safety treads. Contract awarded to General Const. Co., 1151 Kenwood avenue, Camden, N. J.

School, Dividing Creek, N. J. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, School Board of Downe Township, N. J. Frame, 1 story, 55x70

fect, shingle roof. Contract awarded to Wm. H. Owens, Port Norris, N. J.

Storage Shed, Trenton, N. J. \$12,000. Architect, private plans. Owner, J. L. Mott Iron Co., Hancock avenue, Trenton, N. J. Hollow tile and steel, 1 story, 100x240 feet, slag roof, electric lighting, concrete floors. Contract awarded to Newton A. K. Bugbee & Co., 206 East Hanover street, Trenton, N. J.

Factory (add.), Trenton, N. J. \$20,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owner, Mercer Auto Co., Trenton, N. J. Brick and steel, 1 story, 60x400 feet, slag roof, steam heating, electric lighting, concrete floors, steel sash, fire doors. Contracts awarded: Mason work to Burton & Burton, American Mechanics Building, Trenton, N. J.; steel work to Newton A. K. Bugbee & Co., 206 East Hanover street, Trenton.

Twin Residence, Trenton, N. J. \$6,600. Architect, private plans. Owner, Wm. J. Warner, Trenton, N. J. Brick, 2½ stories, 15x32 feet each, slate and tin roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Edward D. La Rue, 53 South Hermitage street, Trenton, N. J.

Miscellaneous Construction News

Store Building, Charleston, W. Va. Architect, A. G. Higginbotham, Charleston, W. Va. Owners, The Woodrum Home Outfitting Co., Charleston, W. Va. Brick, terra cotta and reinforced concrete, 7 stories, 66x110 feet, slag roof, dampproofing and waterproofing, expanded metal lath, steam heating, electric lighting. Architect taking bids, due June 18th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Post Office, Mt. Vernon, N. Y. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Stone and brick, 2 stories, 66x80 feet, composition roof, safety treads, steel sash, metal lath, tile and marble work, metal weather strips, dampproofing and waterproofing, steam heating, electric lighting. Owners taking bids, due June 24th at 3 P. M. Charles McCaul Co., 1713 Sansom street, Philadelphia, are figuring.

Library Building, Indianapolis, Ind., \$500,000. Architects, Zantlinger, Borie & Medary, northeast corner of Fifteenth and Walnut streets, Philadelphia. Owners, Board of School Commissioners, John E. Clelland, Business Director, Winner Building, Indianapolis, Ind. Brick and stone, steel reinforced concrete, 3 stories, 150x200 feet, slag roof, steam heating, electric lighting, cork and composition floor, metal lath, dampproofing. Plans completed. Can be secured Tuesday, June 15th, upon deposit of \$25.00. \$5,000 certified check must accompany bid, due July 20th, 1915.

Club House, Wilmington, Del. Architect, John D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, B. P. O. E., No. 307, Wilmington, Del. Brick and terra cotta, 3 stories and roof garden, 74x80 feet, tile roof, terrazzo and tile work, metal lath, steel sash, waterproofing, dampproofing (heating and electric work reserved). Architect taking bids, due June 17th. The following are figuring: W. D. Haddock, 804 Orange street; A. S. Reed & Bro. Co., 815 Shipley street; John Healy & Son, 707 Tatnall street; Joseph Schunder, 600 Rodney street; George S. Charles, 1109 Lincoln street; Egbert Nutter, 6 West Thirtieth street, all of Wilmington, Del.

Residence (alt. and add.), Wilmington, Del. Architect, E. James Dallett, Equitable Building, Wilmington, Del. Owner, Colonel Butler,

1308 Delaware avenue, Wilmington, Del. Brick, terra cotta and stone, metal roof, steam heating, electric lighting, tile work, oak floors, metal lath, dampproofing. Architect taking bids. J. A. Bader Co., duPont Building, Wilmington, Del., only bidder.

Residences (2), Wilmington, Del. Architect, Edward Canby May, duPont Building, Wilmington, Del. Owner, Frank Forest, Wilmington, Del. Brick, 2½ stories, 24x30 feet each, slate roof, hot water heating, electric lighting, hardwood floors, metal lath. Architects taking bids, due June 14th. The following are figuring: Harry Reed, Samuel Newman, W. Howard May and George S. Charles, all of Wilmington, Del.

Hospital (add.), Farnhurst, Del., \$60,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington, Del. Owners, State Hospital, State of Delaware, Dover, Del. Brick, 3 stories, slate roof, steam heating, electric lighting. Plans about completed. Owners will advertise for bids in ten days.

Store Building, Wilmington, Del. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owner, W. E. Hawkins, 910 Delaware avenue, Wilmington, Del. Brick, 3 stories, 28x86 feet, slag roof, steam heating, electric lighting, dampproofing. Architect taking bids. The following are figuring: John E. Healy & Son, W. D. Haddock & Co., Chas. Forwood, Harry Lynch, all of Wilmington, Del.

Church, Washington, D. C., \$50,000. Architects, Charles W. Bolton & Co., Witherspoon Building, Philadelphia. Owners, Congress Heights Baptist Church, Washington, D. C. Hollow tile and plaster, 1 story, 45x75 feet, slate roof, steam heating, electric lighting, tile work. Architects taking bids, due June 24th. The following are figuring: William A. Kimmel, W. E. Mooney, F. L. Gibbs, A. Mills, McKay & Morris, Skenker & Garrett, all of Washington, D. C.

Service Building, Milwaukee, Wis. Architects, Kahn & Wilby, Detroit, Mich. Owners, Ford Motor Co., Detroit, Mich. Reinforced concrete and steel, 5 stories, 120x300 feet, composition roof, electric lighting, steel sash, fire doors, waterproofing and dampproofing, metal lath, steam heating, elevator. Architects taking bids, due June 21st. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

University Buildings, Morgantown, W. Va. Architect, R. Rus Warne, Charlestown, W. Va. Owner, State of West Virginia, University of West Virginia, care of James S. Lakin, Charlestown, W. Va. Consists of two new buildings, School of Medicine, 3 stories, 77x54 feet, and Mechanical Building, 3 stories, 111x141 feet, brick and terra cotta and steel, composition roofs, dampproofing, iron stairs, slate blackboards (heating, plumbing and electric work reserved). Owners taking bids, due June 29th. In addition to those previously reported, James H. Wells, Heed Building, Philadelphia, is figuring.

School, Radnor, Ohio. Architect, William Robert Powell, Hippodrome Building, Cleveland, Ohio. Owners, Board of Education, E. W. Jones, Clerk, Radnor, Ohio. Brick, 2½ stories, 98x60 feet, asbestos shingle roof, waterproofing, concrete floors, electric lighting, blower system of heating, metal lath. Owners taking bids, due June 26th. James H. Wells, Heed Building, Philadelphia, is figuring.

Bank Building, Niles, Ohio. Architect, C. F. Owsley, Youngstown, Ohio. Owners, Dollar Savings Bank Co., Niles, Ohio. Brick and limestone, 1 story, 80x41 feet, slag roof, safety treads, dampproofing and waterproofing, metal lath, concrete floors (heating and electric work reserved). Architect taking bids, due June 19th. James H. Wells, Heed Building, Philadelphia, is figuring.

Factory, Detroit, Mich. Architects, Kahn & Wilby, 58 Lafayette Boulevard, Detroit. Owners, Detroit Wire Spring Co., Detroit, Mich. Reinforced concrete, 2 stories, 80x400

feet, composition roof, waterproofing, safety treads, steel sash (heating and electric work reserved). Architects taking bids, due June 18th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Freight Terminal, Chicago, Ill. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Engineer, F. Dickinson Serry Building, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete, brick and steel, 4 stories, 400x800 feet, composition roof, electric lighting, elevators, steam heating. Plans in progress.

Court Building, Detroit, Mich., \$550,000. Architects, Smith, Hinchman & Grylls, Detroit, Mich. Owners, City of Detroit. Brick and stone, fireproof, 6 stories, 94x170 feet, composition roof, electric light, steam heat, metal frames and sash, metal lath, waterproofing. Irwin & Leighton, 126 North Twelfth street, Philadelphia, submitted lowest bid.

Maryland Construction News

Factory, Hagerstown, Md., \$50,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Panghorn Corporation, Hagerstown, Md. Brick, concrete, terra cotta and steel, fireproof, 1 and 2 stories, 100x190 feet, slag roof, steam heating, electric lighting, metal frames and sash. Plans completed. Owners are ready for bids.

Store Building (alt. and add.), 3 North Gay street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Samuel Kahn, 19 North Gay street, Baltimore. Brick, 4 stories, consists of new front and interior alterations, steam heating, electric lighting. Architect has received bids.

Moving Picture Theatre, Fulton avenue and Baker street, Baltimore, Md. Architect, F. E. Tormey, 813 Newington avenue, Baltimore. Owner, Lord Calvert Theatre Co., 701 Calvert Building, Baltimore. Brick, 37x148 feet, seating capacity about 1,200. Plans in progress.

Residences (14), Tivoli and Twenty-eighth streets, Baltimore, Md. \$18,000. Architect, Chas. Broring, 9 North Potomac street, Baltimore, Md. Owner, Jos. L. White Realty Co., 1601 North Broadway, Baltimore. Brick, 14x45 feet, Carey roof, hot air heating. Owners are sub-letting all contracts.

Maryland Contracts Awarded

Store and Dwelling, 231-33 Key Highway, Baltimore, Md. \$4,000. Architect, L. Schoenlein, 2317 East Baltimore street, Baltimore. Owner, Edmund Baron, on premises. Brick, 3 stories, 26x30 feet, slag roof, hot water heating. Contract awarded to E. Eyring & Sons, 800 South Third street, Baltimore.

Church, Baltimore, Md. \$16,999. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owner, Exeter Memorial Church, Baltimore, Md. Brick and stone, 60x75 feet, 2 stories, slate roof, electric and gas lighting (heating and glazing, reserved). Contract awarded to P. J. Cushen, 217-19 St. Paul street, Baltimore.

Manufacturing Building, Lombard and Pacca streets, Baltimore. \$40,000. Architect, Jas. Evans Sperry, 409 Calvert Building, Baltimore. Owner, M. S. Levy & Sons, on premises. Brick, 30x100 feet, mechanical equipments. Contract awarded to Edward Brady & Sons, 1113 Cathedral street, Baltimore, Md.

(For Permits, see Page 386.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States . . . \$3.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY
Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., JUNE 16, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clifton Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Maurar, St. Louis
Auditors.....{ Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klander.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryFrederick A. Muhlberg
TreasurerWalter Mellor
Directors—Clarence C. Zantinger, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlberg.

Editorial Comment

High praise is given the work of Frederick J. Sterner and Wilson Eyre in an article by C. Matlack Price in "Arts and Decoration." The title of Mr. Price's paper is "Conscience and Ideals in Architecture."

Mr. Price writes: "It is unfortunate that a man who feels impelled to follow the dictates of conscience in his art—an esthetic altruist,—must be so lonely, must find it so difficult to make his voice heard without shouting blatantly, in the turmoil and necessities of the modern strife for existence. And because it is so difficult, there have come into existence (in preponderant numbers) the commercial writer, and the commercial architect,—not artists at all, but business men, slaves to expediency, who devote their best efforts, and usually all their efforts, toward catering to a popular demand. If let alone, perhaps they produce works of art; but an ounce of opposition to their ideals, and the ideals are outweighed. This, of course, is a generality, and should be taken, like all generalities, as a broad characterization. In an age, then, of ideals which are ideals only when conditions do not oppose them, it is not only very interesting and refreshing, but seriously reassuring as well to find some artists who are not compromising—not artists who elect to starve in garrets because an unsympathetic public rejects their "message"—these are dreamers, visionaries, dilettanti—but men who are adhering to their ideals, following their esthetic consciences through the clamor of present conditions. A great many artists are failures because they coupled soaring aspirations with impractical modus—the Greeks illustrated it with the story of Icarus, who flew heavenward on wings fastened to his body with wax. The sun rose, the wax melted (unfortunately, as is usually the case, after Icarus had attained an appreciable altitude) and Icarus landed. The moral is plain—as it doubtless was to Icarus, if he survived the shock,—that solid attainment is best gained by standing squarely on both feet. We live in the world, and must work in the world and for the world, but in doing this, must see the world as the great and wonderful and beautiful thing it is—not a pile of money-bags.

"I have spoken at large of artists and in the broadest conception of their work they should all be alike, whatever form of their art, in detailed fact, however, their contact with the public varies. The painter, for instance, may paint according to his fancy, and there will naturally form a clique of people who admire his individual idea of art, and buy his pictures.

"The architect, on the other hand, cannot build a dozen or so houses and count on a clique of admirers to buy them. He must please before the work is begun—must sell his pictures before they are painted.

"For all these reasons the deepest signifi-

cance is to be attached to the work of Mr. Frederick J. Sterner, who is an architect and an artist, a builder and a dreamer. Mr. Sterner holds certain very definite beliefs. I would not call them theories, because that smacks of the visionary—Icarus had a theory, but the sun melted it.

"Mr. Sterner believes very fervently that an architect ought to devote some of his time and work, no matter how extensive or profitable his general practice, to the beautifying of his own city, counting not as wasted hours and days of bickering with city commissioners and minor officials on permits for alterations that will beautify city streets.

"In other words, architects should be the most active of all citizens in their efforts to awaken civic pride and civic esthetic conscience in a country where these things are almost unknown. Nor is this to be construed as a means of promoting profitable work—is not an architect's real and serious mission in life to 'build beautifully'? If the average citizen is blind to civic ugliness and the architectural stupidity of his city, should not every architect, trained and able to discern these things, write to the papers and awaken a nationwide public desire and appreciation for better architecture—even if Carrere and Hastings are awarded the actual work to do. The issue, not the individual; architecture, not the architect, should be the watchword.

"Mr. Sterner, not deplorably and impractically awaiting a millennium in which civic authorities will think in terms of architecture and ideals, has gone about his work of expressing his convictions in a more personal, and certainly a more practical way.

* * *

"When I went up to see him, in this pied a terre form which he plans to architecturally awaken his neighborhood, the number of his house would not have been necessary in order to find it. Here was a vivid expression of architectural personality and esthetic individuality.

"The grievous error of nearly all-city architecture in this country is the attempt at grandeur—an attempt which is generally nothing more, because only forms, and not feeling, has been understood. The grandeur of most of our city houses is artificial, entirely, and even if we use architectural forms which have the grand air in Paris, the result is artificial. Too much architectural knowledge and not enough architectural imagination, if any.

"Very few American architects are gifted with architectural imagination, and it is chiefly for this reason that our architecture misses, even when it is almost very excellent.

"And because the divine spark of architectural imagination fires the works of such rare architects as Mr. Wilson Eyre, of Philadelphia, and characterizes the work of Mr. Sterner, their architecture cannot miss. It is destined to have a kind of unassailable right

to exist before its first stone is laid, because it reflects personal convictions and expresses positive intention and not negative imitation."

* * *

New York State has adopted a law requiring the registration of architects. The object of the bill is given as an expression of a desire to raise the standard qualifications for practicing architecture without interfering with the rights of those who are now practicing architects and without interfering with contractors or others who may wish to make their own drawings without the assistance of an architect.

The Board of Examiners will be appointed by the Regents of the State University. Dr. J. H. Finley, formerly head of the College of the City of New York, is President of the Board. In a letter which D. Everett Waid, as chairman of the architects' joint committee, addressed to President Finley under date of May 19, thanking him for his interest and co-operation, it is said:

"Since our examinations for admittance to practice under the title of 'architect' will be conducted by the State University, the profession may have every confidence that the purpose of the law will be carried out to increase the efficiency of the profession, and thereby benefit the public as well as architecture itself.

"Incidentally, I feel sure that the law cannot be used for ulterior purposes. Some of the builders felt that the architects were trying to legislate business into their own hands. I believe that the building laws should be sufficiently stringent to place the responsibility of safe design and safe construction where it belongs, namely, upon him who undertakes to design and construct, whether he be a contractor, engineer, or architect. This law certainly is not intended to force anyone to patronize an architect."

* * *

Chairman Waid, in a report which he has made to President Richard M. Hunt, of New York Chapter, says the committee in its efforts to secure the passage of this bill encountered a strong sentiment of opposition on the part of the legislators, not to anything specific in this bill, but on account of their prejudice against license bills in general, and it was somewhat difficult to convince them that this is an educational measure and not a license bill to be likened to such bills as have been introduced in behalf of the plumbing and heating trades.

"Unexpected opposition also appeared when the attorney representing the Building Trades Employers' Association made active efforts to secure the defeat of the measure. This opposition was a painful surprise, inasmuch as the bill had been submitted by the undersigned personally to the President of that association and also to the chairman of their Legislative Committee a year ago, and we had no reason to suspect from their cordial attitude that there would be anything but co-operation with us. When we discovered that their attorney was instructed to secure the defeat of our bill, we arranged conferences

with the attorney and entire Legislative Committee of the Building Trades Employers' Association, and, after protracted interviews during which their leading members supported our point of view, they were voted down by a narrow margin and their attorney instructed to continue to oppose the bill. We then found that an amendment to the bill, which would be in effect a declaration of purpose and which would in no sense change its meaning or effect, would secure the withdrawal of their opposition. This amendment reads as follows:

"Nothing in this article shall be construed as depriving any person of any rights which he now has with respect to the filing of plans for new buildings or for alterations to existing buildings; nor shall any department or bureau, or superintendent of any department or bureau, with which plans are required to be filed according to law, refuse by reason of this article to receive the same from any one on the ground that the plans are not prepared by a person styled or known as architect."

* * *

"Our joint committee, representing all five organizations of architects, joined in requesting the legislators in charge of the bill in Albany to secure the passage of this amendment. For some reason, those in charge of the bill disregarded our request and the bill was passed without the amendment.

"This was a very embarrassing outcome, as it placed us seemingly in the position of securing the passage of the bill by a trick. The association was immediately aroused to make the greatest possible effort to secure the veto of the bill by the Governor. Conferences again resulted and opposition to the signing of the bill was withdrawn on our promise to use every sincere effort to secure the passage of this amendment to the bill at the next session.

"In view of the unfortunate experience in Illinois, where, after a law had been in force twenty years, the Board of Examiners has become a football of politics and the laws in existence jeopardized by opposition on the part of the engineers and others, your committee believes that it will be wise to have this amendment passed, as it will make clear beyond a doubt our purpose to raise the standard of qualifications of architects and not to secure business by force of legislation. The penalty to be incurred under this law is for the use of the title 'architect' by anyone not duly qualified. We believe that building laws should be made stringent enough to locate responsibility for unsafe design and bad construction. If owners then choose to employ contractors or others to design their buildings, they will do so knowingly and without being deceived by unscrupulous persons who assume the title 'architect' unworthily and thereby discredit the profession."

* * *

"Now this registration act does not prevent anyone now practicing from continuing. What it does do is to establish a standard so that an owner may know whether the man he is employing has attained that standard or

not. In other words, hereafter there will be Registered Architects and Architects.

"The word 'Registered' hereafter when placed before the word 'Architect' will carry a distinct, definite and unquestioned meaning, viz., that the man is by training and character fit to undertake work, and this has been determined by the University of the State of New York.

"If a man hereafter is not known as Registered Architect it will be presumptive evidence of the fact that the man is not fit to practice. The only case that I know of is when an alien may be practicing, as this act restricts the practice to citizens."

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.

**THE PHILADELPHIA
ELECTRIC COMPANY**
TENTH AND CHESTNUT STS.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Tasty Baking Co. (O), 2335 Sedgley avenue. J. F. Myers, Jr., Co. (C), 1237 Ridge avenue. Cost, \$20,000. Bakery, brick and concrete, 79x66 feet, 2335 Sedgley avenue.

J. E. Farquhar (O), Seventh and Ontario streets. Cost, \$42,000. Two residences, brick, 2 stories, 15x22 feet, Seventh and Ontario streets.

James M. Orr (O), 2532 Kensington avenue. Cost, \$30,000. Twenty dwellings, brick, 2 stories, 16x30 feet, 6500 Torresdale avenue.

John R. Hollingsmith (O), 4923 North Sixth street. John F. McGinty & Co. (C), Twelfth and Wingoheoking streets. Cost, \$6,000. Brick and stone, 3 stories, 40x61 feet, 461 Northeast Boulevard.

The Welderker Building and Loan Association (O), 1020 Pine street. J. Gerchev (C), 4116 Girard avenue. Cost, \$5,300. Dwelling, brick, 17x62 feet, 1020 Pine street. John H. McClatchey (O), 846 Land Title Building. Cost, \$6,000. Dwelling, stone, 37x26 feet, Fifty-third and Drexel road.

John Tucker (O), 312 Christian street. Cost, \$29,000. Seventeen stores and dwellings, brick, 15x54 feet, Cambria and Tulip streets.

William J. Barry (O), 1514 Harrison Building. Cost, \$3,500. Two dwellings, brick, 14x29 feet, 1927 and 20th Venango street.

Jay Lavenson (O), 1210 Girard avenue. F. L. Davis (C), Thirteenth and Netro avenue. Cost, \$3,800. Dwelling, frame, 26x33 feet, Twelfth and Medary streets.

Alterations and Additions

Church Training and Deaconess House (O), 708 Spruce street. Elfreth & Wood (C), 1708 Sansom street. Cost, \$800. Garage, 709 DeLancey street.

Quick & Bro. (O), 8 South Fortieth street. William V. Kenowell (C), 28 South Fortieth street. Cost, \$700. Dwelling, 4040 Walnut street.

Mrs. Annie M. Flattery (O), Atlantic City, N. J. John Jordon (C), Thirty-first and Oxford streets. Cost, \$500. Store and dwelling, 1015 Master street.

C. M. Ghisley, Jr., (O), 3820 Locust street. H. E. Grau Co. (C), 1707 Sansom street. Cost, \$4,000. Residence, 3820 Locust street.

American Ice Co. (O), Sixth and Arch streets. H. C. Dahl (C), 231 South Eighth street. Cost, \$500. Storage, 1223 Beach street.

G. Dallesander (O), Brandywine Summit. Cost, \$500. Dwelling, 1169 South Twelfth street.

Patrick McNichol (O), 1320 Parrish street. J. J. Carmichael (C), 1520 Fairmount avenue. Cost, \$1,500. Garage, 1319 Reno street.

Pennsylvania Company for Insurance on Lives and Granting Annuities (O), 517 Chestnut street. John Duncan (C), 920 Walnut street. Cost, \$1,400. Dwelling, 1431 Spruce street.

Louis Stecher (O), 420 Marquet street. Basch & Co. (C), 1426 South Front street. Cost, \$975. Store, Thirteenth and Sansom streets.

A. B. Paine (O), Sixteenth and Venango streets. P. Haibach Cont. Co. (C), 2530 West Thompson street. Saloon and dwelling, Sixteenth and Venango streets.

Edward Fiss (O), 84 Fishers lane. John M. Mowrer (C), 5012 Wakefield street. Cost, \$700. Garage, 84 Fishers lane.

Domenico Venule (O), 1029 South Ninth street. Frank Luceri (C), 1351 Christian street. Cost, \$2,500. Dwelling, 60 Allen lane.

Germantown Friends' School (O), Germantown avenue and Coulter street. W. J. Gruher & Co. (C), 219 High street. Cost, \$12,000. School, Germantown avenue and Coulter street.

Emanuel Gordon (O), 1906 South Fifth street. Lester M. Shestack (C), 322 Dickinson street. Cost, \$1,200. Dwelling and store, 1343 South Fifth street.

Harry Weingast (O), 442 North Second street. Louis Cutler (C), 610 North Second street. Cost, \$1,400. Store and dwelling, 442 North Second street.

Charles G. Krause (O), 4316 North Third street. Cost, \$800. Garage, 4316 North Third street.

Mrs. G. P. Fallon (O), 1417 Girard avenue. M. H. Whealin & Sons (O), 1336 Girard avenue. Cost, \$500. Store, 20 North Fifth street.

Patrick Quigley (C), 2429 Carpenter street. George Kelly (C), 2230 Pine street. Cost, \$955. Garage, 2311 Spruce street.

Thomas Tansy (O), 5701 Rising Sun lane. James R. Booth (C), Garrettsford, Delaware County, Pa. Cost, \$600. Boiler house, 5700 Rising Sun lane.

Joseph McGarrity (O), Fifteenth and South streets. H. D. Prettyman (C), 2603 South Broad street. Cost, \$600. Storage, Fifteenth and South streets.

James Wood (O), 1112 Franklin Bank Building. C. W. Yocum (C), 210 Dickinson street. Cost, \$600. Apartment house, 7461 Germantown avenue.

Anna Gramlich (O), 2355 Germantown avenue. Harry Wehmeyer (C), 1004 West Lehigh avenue. Cost, \$9,500. Three stories and dwellings, 2355-55-57 Germantown avenue and 726 York street.

P. E. Church Diocese (O), Twelfth and Walnut streets. O'Neill Co. (C), 7811 Germantown avenue. Cost, \$5,000. Church, St. Mark's, Fortieth and Woodland avenue.

P. J. Quigley (O), 2429 Carpenter street. Thomas L. Drummond (C), 2343 South Sixteenth street. Cost, \$2,600. Garage, 2311 Spruce street.

Nora M. Cusack (O), Ireland, B. I. Continental Equitable Title and Trust Company (Agents). F. G. Zierle (C), 3933 North Fifth street. Cost, \$850. Saloon and dwelling, Fortieth and Girard avenue.

George F. Young (O), 3226 North Broad street. F. I. Wintz (C), 1610 North Twenty-seventh street. Cost, \$1,675. Dwelling, 3226 North Broad street.

Christ. Senffert (O), 4757 Melrose street. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$1,350. Dwelling, 4801 Melrose street.

Raphael Gersman (O), 626 Wood street. A. Altman (C), 1550 North Sixth street. Cost, \$775. Dwelling, 311 North Franklin street.

Arthur Murphy (O), 120 Calumet street. Joseph Rambow (C), 940 North Marshall street. Cost, \$1,197. Dwelling, 120 Calumet street.

Elizabeth Woodville (O), 1711 Walnut street. John E. Walt (C), 204 East Willow Grove avenue. Cost, \$700. Dwelling, 1711 Walnut street.

Murrell Dobbins (O), 1500 Sansom street. George L. Sipps (C), 912 Locust street. Cost, \$500. Storage, 1826 North Twentieth street. Cost, \$600. Stable, 1827 North Woodstock street.

Short & Brenzer Co. (O), Front and Market streets. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$1,800. Manufacturing building, Palethorp and Columbia avenue.

Morris Kenin (O), 814 Snyder avenue. Cost, \$1,000. Store and dwelling, Wolf and Moyamensing avenue.

D. Stahl's Sons (O), 4845 Rising Sun avenue. Emil P. Stahl (C), 4918 North Fourth street. Cost, \$1,000. Garage, 4841 Rising Sun avenue.

Horace Linton & Bro. (O), 3061 Ruth street. Cost, \$2,400. Boiler houses, 3061 Ruth street.

E. G. Budd Manufacturing Co. (O), Twenty-fifth and Hunting Park avenue. J. F. Johnson & Sons (C), 331 North Fourth street. Cost, \$700. Manufacturing building, Park avenue and Stokely street.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

DO IT NOW.

All we have is just this minute

Do It Now.

Find your duty and begin it

Do It Now.

Surely you're not always going

To be "a going to be," and knowing

You must sometime make a showing.

Do It Now.

Lots of men don't advertise because they cherish an idea it's too expensive. As a matter of fact, it's the cheapest good investment a man can put his money in, as hundreds of successful men have learned.

The One That Gets the Trade.

The constant dropping water wears away the hardest stone,

The constant chewing bulldog masticates the toughest bone,

The constant cooing lover takes away the blushing maid,

And the constant advertiser is the one that takes the trade.

NOTRE DAME AT RHEIMS

Some Facts that will make clear to the Lay Mind why Art Lovers have cried out in Protest against the Destruction of the Celebrated Old Cathedral.

It is not necessary to quote General Sherman's definition of war to know at least that it is no discriminator between church and cattleshed, that cathedral and cabin fare alike in its devastation.

That the innocent and guilty often suffer together we also know, but nevertheless our sympathies still go out to the latter, and the fact that a Mona Lisa is stolen, a great masterpiece mutilated, or an edifice which for four centuries has been the object of sublime contemplation and admiration is destroyed brig the force of the warrior's definition of war all the nearer to our realization.

The destruction of the cathedral of Notre Dame at Rheims, whereby the world's patrimony in architecture is forever lessened, illustrates to all lovers of the beautiful the terrifying forces now at large, and proves to many of us as nothing else could prove the frightful meaning of the present struggle.

Some description of this historic edifice, whose defacement and practical destruction is regarded by the French authorities at least as the greatest loss from a historical standpoint, of the war, may not be out of place.

Begun, as was Westminster and many of the oldest cathedrals of the present age, on the site of an even earlier church, that of Robert de Courey in 1212, though not completed until the fifteenth century, as "the most perfect example in grandeur and grace of Gothic style in existence."

The west front, which was begun about 1241-42, is said to be the most beautiful structure produced during the middle ages, with its deeply recessed triple portal and the wonderful rose window that surmounts it. This window, more than 40 feet in diameter, was reported in cabled dispatches as having been destroyed by a shell.

It was in the cathedral at Rheims that the successive kings of France, from Philip II to Charles X, were crowned, and it was there that the Maid of Orleans, after her victorious career, stood, banner in hand, before the great altar and saw the coronation of Charles VII, which marked the fulfilment of her vision. After kneeling before the monarch whom she had placed on the throne, "She begged the gentle king to allow her to return to her flocks."

The elaborate richness of the sculpture, its stained glass and statuary, are not surpassed in any existing structure.

In the north transept over the sacristy was a clock said to have been the oldest moving piece of horology in existence. Among the

priceless cathedral treasures were some wonderful church plate of the early centuries, reliquaries containing a thorn of the Holy Crown, the skull of St. Remy, and countless tapestries, some dating from the fifteenth century.

In the chapel attached to the vestry was a rare collection of Roman and medieval sculpture, including the famous sarcophagus of Jovinus, the Roman prefect of Rheims, who was converted to Christianity in 366.

The Archbishop's palace, also reported as destroyed, is a double chapel dating from about 1230. There the monarchs of France were housed at their coronations, and there Joan of Arc lodged when she came to Rheims to crown Charles VII. The palace adjoins the cathedral, and about a quarter of a mile to the southwest is the Church of St. Jacques, also reported destroyed, or seriously damaged, in the bombardment. Save for its antiquity, dating from the twelfth century, St. Jacques possesses little interest, all the valuable church antiquities of Rheims having been collected in the cathedral.

The Hotel de Ville, or city hall, also said to have been ruined or badly damaged by shell fire, was commenced in 1627, but not completed until the present century. It contained a fine library, with hundreds of volumes of manuscripts, some antiquities and a good collection of paintings.

Aside from these notable monuments, a thorough shelling or conflagration might destroy many lesser buildings, that have made the ancient city a place of enormous historic interest. Some of its old houses date from the twelfth and thirteenth centuries, and here and there still exist remains of the Roman occupation.

The shelling of the cathedral of Rheims has aroused a greater storm of popular indignation in France than any act yet charged against the Germans. Sunday, promenaders in the parks and squares of Bordeaux talked of nothing else. In drawing rooms where congregate Senators, Deputies, officials and writers who are temporarily exiled in Paris, nothing is discussed but the question of what satisfaction can be exacted from Germany after the war.

All the newspapers have printed strongly-worded editorials condemning "this crime against civilization, art, tradition and faith." The "Temps," most moderate of all the newspapers in its attacks, says:

"The Germans revenge themselves for their defeat by turning their heavy artillery on the Cathedral of Rheims."

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****Ajax Portland Cement Co.** has moved its offices from 103 Park avenue to 18 East 41st street, New York.

****Ballinger & Perrot**, architects and engineers, of Philadelphia and New York, celebrated the opening of their new Philadelphia offices with an informal luncheon and reception Monday afternoon, May 24. Many well-known local architects and builders were present. The new offices occupy the entire top floor of the Church Building, at the corner of Seventeenth and Arch streets.

****Robert M. Banks**, architect, for the last four years connected with the office of Wm. Neil Smith, 101 Park avenue, New York, is now with the sales department of the Akron Tile Co. at 101 Park avenue, represented by Orrin D. Person.

****Richey, Brown & Donald**, Astoria, L. I., manufacturers of ornamental iron and the "Browne" window, have been awarded a contract to supply all of the windows in the addition being erected to the Munsey Building, at Washington, D. C. The work includes nearly five hundred windows. The "Browne" window was personally selected by Mr. Munsey from among a number of the best known windows submitted for his consideration. McKim, Mead & White, architects, prepared the plans for the addition to the above building, which is being erected under a general contract by the George A. Fuller Co.

****National Electrical Contractors' Association** of the United States will hold its fifteenth annual convention in San Francisco, July 21-24. Secretary, George H. Duffield, 41 Martin Building, Utica, N. Y.

****International Association of Municipal Electricians** will hold its annual convention at Cincinnati, O., August 24 to 27. Headquarters will be at the Gibson Hotel. Secretary, Clarence R. George, Houston, Tex.

****Pan-American Road Congress**, under the joint auspices of the American Road Builders' Association and the American Highway Association, will be held at Oakland, Cal., during the week of September 13. It is expected those interested in highway improvement not only from all parts of the United States and Canada, but also from the South American countries, all of which will be officially invited to participate.

****At the annual meeting of the Cement Products Exhibition Company**, held in Chicago, B. F. Affleck was elected president; A. Y. Gowen, vice-president; Robert F.

Hall, secretary, and J. U. C. McDaniel, treasurer.

****The Vulcanite Portland Cement Company** moved its New York office to 8 West Fortieth street, opposite the Public Library.

****At the thirty-fourth annual election** for officers and trustees of the Building Material Exchange of the city of New York Thomas D. Miller, of the Builders' Material Supply Company, of Newark, N. J., was chosen president, succeeding J. F. Miller, of the Lawrence Portland Cement Company.

****C. J. Curtin**, of the Farnham Cheshire Lime Company, New York, was elected vice-president, and William C. Morton, sales manager of the Consolidated Rosendale Cement Company of New York, was elected treasurer for the sixth consecutive term. The exchange now has a membership of 123 and is in good financial condition.

****E. St. Elmo Lewis**, vice-president and general manager of the Art Metal Construction Company, Inc., Jamestown, N. Y., has been unanimously elected president of the Jamestown Board of Commerce, in spite of the fact that he had previously stated his inability to accept the office owing to pressure of business.

****Edward J. Brandel**, advertising manager for the Beaver Board Companies, Buffalo, N. Y., died in that city on May 12.

****Murphy Varnish Company**, Newark, N. J., has the usual amount of interesting comment in a recent number of "The Finishing Touch," which is its house organ. Reference is made to the treatment of floors and to the Q and E varnishes. Any reader interested can secure a copy by addressing the company.

****The Western office of the Cortright Metal Roofing Company**, formerly located at 160 North Fifth avenue, Chicago, has been removed to the Rand McNally Building, 538 South Clark street, Chicago. The change in office location in no way interferes with their arrangements for carrying a large stock of their various shingles at their Chicago depot, permitting prompt shipment to all parts of the Middle West and Pacific coast points.

****W. S. Booth** has resigned from the presidency of the Booth Column Company, Toledo, O., to assume a similar office in the new concern which he has organized, known as the Booth Bumper Company for the manufacture of wooden automobile bumpers. The Booth Column Company has elected the following officials for the ensu-

ing year and are preparing to make a vigorous campaign for new business: President, William T. Hubbard; secretary, H. J. Ellis, and superintendent, George W. Heshley.

****Some years ago** when we sent the foreman simply a set of blue-prints of the building and said "Go ahead and build it," leaving him to work out his own "form" designs, column "forms" used to cost, for direct labor, as much as 18 cents a square foot, and floors 12 cents, says Leonard C. Wason, president of the Aberthaw Construction Co., Boston. Now we spend much time in the office making plans—sometimes as many as forty-five sheets of "form" details for a single building. These designs may cost .2 of a cent per square foot of form-work. But now if the cost per labor for floor forms runs over 4 cents a square foot we want to know what is the matter; if it runs over 7 cents for a column we usually make a row. We have come to the conclusion that a dollar spent intelligently in the drafting room usually saves ten on the work—sometimes more.

****The Building Construction Employers' Association of Pittsburgh**, with headquarters in the Builders' Exchange, Fulton Building, has been formed and officers elected as follows: President, James L. Stuart; vice-presidents, ranking in order named, C. B. Kennedy, John Schreiner, Frank I. Stulen and Samuel Holmes; secretary, E. M. Tate, and treasurer, S. N. Murphy. These with John L. Mullen, G. R. Downing and W. B. Loufman, Jr., constitute the executive board.

****The annual convention of the Master Builders' Association of New Jersey** was held in the Board of Trade rooms in Elizabeth, when officers for the ensuing year were chosen. The Executive Board met in the forenoon and the business session of the association was held in the afternoon. A number of important topics were discussed, among which was that of "Liability Insurance." The following officers were elected: President, James Anderson; vice-presidents: Essex County, W. W. Schouler of Newark; Union County, H. A. Rath of Elizabeth; Middlesex County, A. B. Friedberg of New Brunswick; Bergen County, H. T. Collins of Hackensack; Mercer County, I. Harper Clayton of Trenton; Somerset County, H. Moosbrugger of Somerville; secretary, V. P. Christofferson of Perth Amboy; treasurer, A. J. Crowder of Newark.

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

Don't expect outsiders to give you a big rating on a one-inch space.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.
Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)
O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.
R. E. Wible & Son, 11th and Ontario sts.

Brick Renovating.
Adolph Christensen, 1433 Brown st.

Blue Prints.
Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.
Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.
Graham-Campion Co., Head Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.
W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.
Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.
Turner Concrete Steel Co., 1713 Sansom st.,
Concrete Mixers.

C. G. A. Schmidt, Jr. & Co., Empire Bldg.,
Contractors' Equipment.

C. G. A. Schmidt, Jr. & Co., Empire Bldg.,
Dampproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.
Grant Pulley and Hardware Co.,
3 W. 29th st., New York.

and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.
Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.
Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.
Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies,
Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Fences.
Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.
Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.
Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.
Currie & Campbell, Commonwealth Bldg.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.
R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.
General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.
General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.
General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces
Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.
Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.
United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.
Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.
General Floori-g & Mfg. Co., 9 S. 18th st.

Heating Contractors.
Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).
Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.
H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.
Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).
W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.
The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.
Builders Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.
Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.
The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.
O. M. Weber Co., North Wales, Pa.

Mortar Colors.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.
Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.
R. J. Carriek, 2016 Ranstead St., Phila.

Paints and Varnishes.
Felton, Sibley & Co., 136 N. 4th st., Phila.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Pipe Fittings and Valves.
The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.
Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.
H. B. Smith Co., 1225 Arch st., Phila.

Ranges.
Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.

J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.
Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.
Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.
Barrett Mfg. Co., N. Y. City and Phila.

Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.
C. F. Shellenberger, Builders' Exchange.

Roofing Tile.
C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.
The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.
Embossed Wall Covering Co., 830 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.
C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.
Grant Pulley and Hardware Co.,
3 W. 29th St., New York.

and Land Title Bldg., Phila.

Soundings.
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.
O. M. Weber Co., North Wales, Pa.

Steel Ceilings.
The Sagendorph Co., 131 S. 24th st., Phila.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.
Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).
S. B. Dobbs, Bailey Bldg., Phila.

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.
Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board-Compo.
Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.
The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).
Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

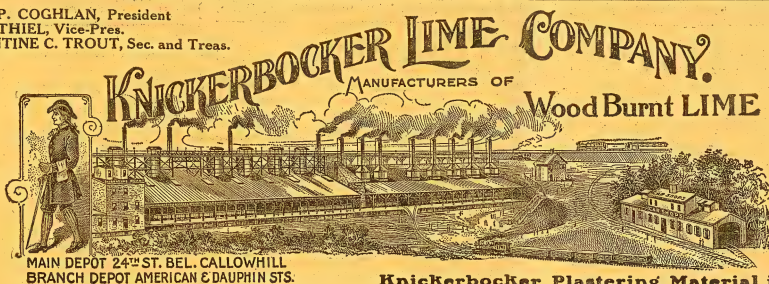
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Quality, Exquisite Designs, and a Guar-
antee of Satisfaction are assured when we
Design, Manufacture and Install Fixtures
to Properly Diffuse Light.

Drawings, Specifications, Figures and Rec-
ommendations gladly Furnished Free upon
receipt of Data and Dimensions of Rooms
to be Lighted.

LOGUE-STRONGE MFG. COMPANY

221 North Sixteenth Street, Philadelphia, Pa.

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER

You have experimented with many waterproofing
compounds containing "Stearates" or other Soaps.
IMPERVITE is not a soap: it is the only compound
which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is
better than two pounds of Soap Compound.

We can send you Official Gov-
ernment Tests and scores of
enthusiastic letters from Users—
but will this SATISFY you?

In order to give you an oppor-
tunity to PROVE our claims, we
are willing to send you 25 pounds
of Impervite for \$2.00 (freight
prepaid by us) with the understand-

ing that if it does not prove more
efficient than the compound you
are now using, you will be under no
obligation to pay us. We are willing
to let YOU be the judge. Write
to day. Why not get THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 25.

PHILADELPHIA, WEDNESDAY, JUNE 23, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

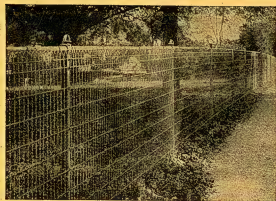
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking
Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



PHILADELPHIA FIRE RETARDANT CO.
1614 CHERRY STREET
PHILADELPHIA, PA.

Rolled Steel Sash and Doors, Steel
Stairs, Saino Fire Doors and
Shutters, Steel Rolling Doors,
Kalamain Doors, Metal Windows

WATERPROOFING

A Complete Line of
Integral and Membrane
Waterproofings, Dampproofings
Floor Hardeners and
Technical Paints

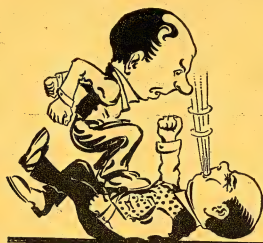
MAY WE SOLVE YOUR PROBLEM?

Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street
Philadelphia

FIREPROOFING AND WATERPROOFING
MATERIALS



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of
Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.
Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN
CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.
Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Do Not Forget

when in the market for

WIRE PRODUCTS

THAT WE MAKE EVERYTHING IN WIRE:

Wire Cloth all grades,
Wire Window Guards,
Wire Partitions and Enclosures,
Wire Lath for Plastering Purposes,
Radiator Guards,
Gravel, Sand and Coal Screens,
Sieves and Riddles,
Special Forms.

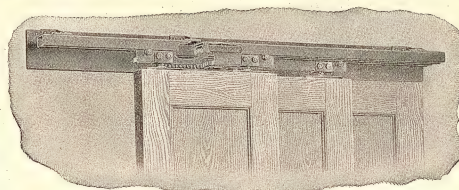
Strawbridge & Chase Co., Inc.

AUDUBON, N. J.

ROBERT T. KORB, Pres. } At Your
HENRY H. COLLINS, Vice-Pres. } Service
WM. H. EGEE, Sec. & Treas. }

Keystone, Main 3597. Bell, Haddon Heights 573.

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

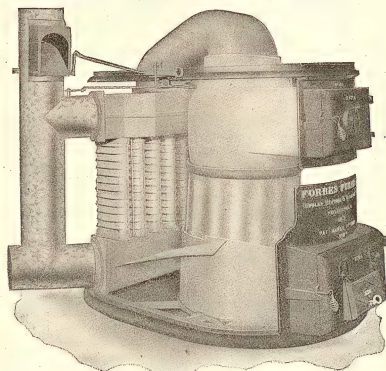
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

**USE SCAMMELL LATH
for Best Results**

PAYNE & SCAMMELL
Concrete Fireproofing, Metal
Furring and Lathing
Land Title Bldg., Phila., Pa.

The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER WATER BATH ONLY

Only paper of its kind in America. Quicker printing than the imported and positively black lines. Does not deteriorate. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Samples on request

MADE ONLY BY

F. WEBER & CO., Manufacturers, Importers
Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA
Branches: St. Louis, Mo., Baltimore, Md.



W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 25.

PHILADELPHIA, WEDNESDAY, JUNE 23, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Factory Building, North Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, name withheld. Reinforced concrete, 4 stories, 64x130 feet, slag roof, steam heating, electric lighting, metal frames and sash, elevator. Plans about completed. Architects will take bids in a few days.

Hospital (add.), 1234 North Fifty-fourth street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, West Philadelphia General Homeopathic Hospital and Dispensary, on premises. Brick and steel, fireproof, 2 stories, 40x170 feet, and two wings 17x27 feet each, slag roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

Store and Residences (2) (alt. and add.), Broad and Susquehanna avenue. Architect, Thomas Walter Mayo, 1701 Chestnut street, Philadelphia. Owner, A. E. Blester, 1410 Susquehanna avenue. Brick, 2 stories, 38x85 feet, slag roof (plumbing, heating, electric lighting, separate bids). Revised plans in progress.

Church (alts. and add.), Carlisle and Dauphin streets. Architect, J. W. Thompson, 703 South Thirtieth street, Philadelphia. Owner, First Church of the Brethren, Rev. George D. Kuns, 2260 North Park avenue, Philadelphia. Dampproofing, electric lighting, steam heating, metal lath. Architect taking bids, due June 24th. H. E. Baton, Twelfth and Sansom streets, Philadelphia, is figuring.

Residence (alt. and add.), 1928 Green street, Philadelphia. Architect, private plans. Owner, name withheld. Brick, 3 stories, slag roof, steam heating. Builder Wm. R. Dougherty, 1610 Sansom street, taking sub-bids.

Residence (alt. and add.), Seventeenth and Jefferson streets, Philadelphia. Architect, private plans. Owner, Dr. Wm. T. Wyckoff, 1447 North Seventeenth street, Philadelphia. Brick, 3 stories, slag roof, composition flooring, steam heating, electric lighting, tile work. Owner taking bids.

The following are figuring: Supplee Construction & Contracting Co., Bulletin Building; Frank I. Wintz, 1618 North Twenty-seventh street; Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Office Building (alt. and add.), Schuylkill Arsenal, Philadelphia. Architect, private plans. Owner, U. S. Government, Quartermaster's Department, Schuylkill Arsenal. Brick, 2 stories. Consists of 2 wings, 80x25 feet each, connecting bridge and interior alterations, slate roof, steam heating, electric lighting, waterproofing, metal lath. Edward Fay & Son, 2 South Mole street, submitted the lowest bid, \$16,788.

Parochial School, Hutchinson and Cambria streets, Philadelphia. Owner, St. Bonaventura's R. C. Church, Rev. H. Hammeke, 2831 North Hutchinson street, Philadelphia. Brick, stone trimmings, 60x80 feet, slag roof, steam heating, electric lighting, slate blackboards. Owners taking bids. The following are figuring: Henry P. Schneider, 3713 Old York Road; D. W. O'Dea, 5219 North Fifth street; Melody & Keating, Bailey Building; H. H. Wehmeyer, 1004 West Lehigh avenue; Sutton & Stephenson, 1317 Washington avenue.

Residence, Sherwood Road & Lancaster avenue, Philadelphia. Architect, private plans. Owner, John Z. Turner, 6412 Sherwood Road, Philadelphia. Stone or brick, 2½ stories, 49x55 feet, slate and tile roof, electric lighting, hot water heating, oak floors. Owner taking bids. A. L. Fretz & Sons, 1222 Chancellor street, and Milton W. Young, Overbrook, Pa., are figuring.

Store, Residence and Garage, 1736 South Second street, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Frank Podiatz, 1736 South Second street, Philadelphia. Brick and Stone, 18x100 feet; garage, brick and stone, 18x30 feet, concrete floor, oil storage system, slag roof, hot water heating, electric lighting. Plans completed. Architect will be ready for bids June 26th.

Twin Residence, Quenn Lane, Philadel-

phia. Architect, Samuel D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner, Quenn Lane Land Co., Witherspoon Building, Philadelphia. Brick and rough cast, 2½ stories, 34x48 feet, slate roof, hot water or hot air heating, electric lighting, tile work. Owner has received bids.

Residences (4), Quenn Lane, Philadelphia. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, Quenn Lane Land Co., Witherspoon Building, Philadelphia. Brick and rough cast, 2½ stories, 24x34 feet each, slag roofs, hot water heating, electric lighting, tile work. Owner has received bids.

Residences (4), Quenn Lane, Philadelphia. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, Quenn Lane Land Co., Witherspoon Building, Philadelphia. Brick and rough cast, 2½ stories, 24x34 feet each, slate roofs, hot water or hot air heating, electric lighting, tile work. Owner has received bids.

Residences (28) Eleventh and Wyoming streets; (10) Marvine and Courtland streets. Architect, private plans. Owner, Wm. E. Boes, Bailey Building. Brick, 2 stories, 16x40 feet, hot water heat, slag roof, electric lighting. Work about to be started.

Residences (48), Limekiln Pike and Medary avenue. Architect, private plans. Owners, Clark & Craighead, 5030 North Fifteenth street, Philadelphia. Brick, 2 stories, 15x34 feet, hot water heat, slag roof, electric light, parquetry floors. Plans in progress. Owners will take bids in one week.

Residences (34), Ninth and Hutchinson streets, Philadelphia. Architect, private plans. Owners, Clark & Craighead, 5030 North Fifteenth street, Philadelphia. Brick, 2 stories, 16x43 feet, hot water heating, slag roof, electric lighting, parquetry floors. Plans in progress. Owners will take bids in two weeks.

Stores and Residences (2), 7155-57 Germantown avenue, Philadelphia. Architect, B. J. Medoff & Son, 524 Walnut street, Phil-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

**BLUE
PRINTS**

KEYSTONE PHONE, MAR 497

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

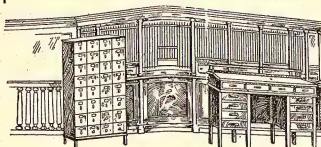


Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.

Crown-Adelphia TANK HEATER



This wonderful little heater will furnish an abundance of Hot Water continuously day and night at the cost of a few cents per day.

Installed in the basement, it will not heat the kitchen in summer, and will keep your basement dry.

Furnished in four sizes, No. 1 and 2 recommended for ordinary family use.

CIRCULAR UPON REQUEST

BORDEN STOVE COMPANY

118-122 N. Second Street :: Philadelphia

INSTALLED AND GUARANTEED BY YOUR PLUMBER

adelphia. Owner, name withheld. Brick, 3 stories, 17x70 feet, slag roof, electric lighting, hot water heating, tile work, hardwood floors. Plans in progress.

Office Building (add.), Juniper and Filbert streets, Philadelphia. Architect, Edgar V. Seeler, Juniper and Chestnut streets, Philadelphia. Owner, "The Evening Bulletin," Wm. L. McLean, on premises. Granite, limestone, terra cotta and steel, fireproof, 9 stories, 42x147 feet, composition roof, steam heating, electric lighting, tile and marble work, concrete fireproofing, metal frames and sash. Builders Doyle & Co., 1519 Sansom street, taking sub-bids due June 24th.

Sunday School (alts.), Franklin street above Race street, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, Zion Evangelical Lutheran Church, Rev. J. E. Nidecker, on premises. (Plumbing, heating and electric work, separate bids). Consists of interior alterations only. Architects taking bids, due June 24th. The following are figuring: Jas. B. Flounders, 1329 Arch street; Wm. R. Dougherty, 1610 Sansom street; A. R. Raff, 1635 Thompson street; E. E. Hollenback, Fifteenth and Race streets; A. H. Spennard, 820 Wood street; J. H. Hutt, 120 South Sixtieth street, Philadelphia.

Office Building, 111 and 113 North Broad street, Philadelphia. Architects, Lacey & Adams, 1012 Walnut street, Philadelphia. Owner, Philadelphia Life Insurance Co., Wm. H. Hubbard, Secretary, North American Building, Philadelphia. Brick, terra cotta and steel, fireproof, 5 stories, 32x84 feet, slag roof, tile and terrazzo floors, wire lath, iron stairs, metal sash (heating, electric work and elevator, reserved by architects) (Builders Doyle & Co., 1519 Sansom street, are taking sub-bids).

Office and Flat (alt. and add.), 5206 Chestnut street, Philadelphia. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, name withheld. Brick and terra cotta, 2 stories, slag roof, hot water heating, electric lighting. Builders Wm. Steele & Sons Co., 1600 Arch street, taking sub-bids on all lines.

Factory (add.), Orleans street between Frankford and Kensington avenues. Architects, Bertollett & Matthes, 1614 Cherry street, Philadelphia. Owner, H. A. Rom-

berger, Bourse Building, Philadelphia. Consists of additional story, brick, 100x41 feet, slag roof, fire doors, metal sash (heating and electric work, reserved). Architects have received bids.

Church (alts.), Thompson street and Susquehanna avenue, Philadelphia. Architects, Chas. W. Bolton & Co., Witherspoon Building, Philadelphia. Owner, Siloam M. E. Church, Rev. J. C. Petrie, on premises. Consists of alterations to basement (heating, plumbing and electric work, reserved). Architects have received bids.

Police and Fire Station, Twenty-second and Hunting Park avenue, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, City of Philadelphia. Brick and terra cotta and steel and concrete, fireproof, stories, 120x150 feet, slag and tile roof, metal lath, composition flooring, tile work (heating, plumbing and electric work, separate bids). Lowest bid submitted by H. H. Wehmer, 1004 West Lehigh avenue. \$122,863.

Recreation Buildings, Price and McMahon streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owner, City of Philadelphia, City Hall, Philadelphia. Consists of Recreation Building, brick and terra cotta, 2½ stories, 77x140 feet, swimming pool and dressing rooms, 51x177 feet, slate and slag roof, dampproofing, metal lath, enameled bricks, iron stairs, metal lockers, composition flooring (heating, plumbing and electric work, separate bids). Lowest bid submitted by F. W. Van Loon, Denckla Building. \$86,641.

Residences (6), Meade street and East Ardleigh street, Chestnut Hill. Architect, Paul Boyd, 211 East Willow Grove avenue, Chestnut Hill. Owner, A. K. Schock, 45 West Gravers Lane, Chestnut Hill. Brick and stone fronts, 2 stories, 16x45 feet each, shingle and slag roofs, hot water heating, electric lighting. Owner is taking sub-bids.

Residence, Slocum street and East Germantown avenue. Architect, Paul Boyd, 211 East Willow Grove avenue, Philadelphia. Owner, Wm. H. Walter, 48 East Slocum street, Germantown. Brick, 2½ stories, 16x54 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Owner taking bids, due June 23rd. The following are figuring: Stokes Bros., 6723 Musgrave street; Geo. A. Boyd, 211

UNITAS TILING

A non metallic substitute for tile and wood

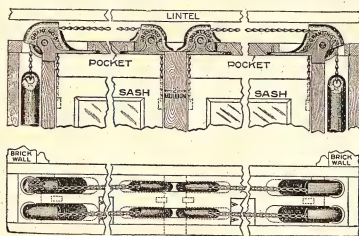
Manufactured by the Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

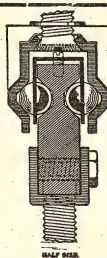
is Seamless, Fireproof, Durable, Elastic, Sanitary Easy to the Foot, Inexpensive, Quickly Installed. Can be used over old or new floors and stairs, wood, concrete or any good foundation.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

East Willow Grove avenue; Geo. S. Roth & Sons, 230 East Gravers Lane; E. A. Heffner, 6361 Jefferson street.

Garage (alt. and add.), St. Martin's Philadelphia. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Mrs. Phoebe J. Clemens, St. Martin's, Philadelphia. Stone and stucco, 2 stories, 18x22 feet, tile roof, electric lighting. Plans in progress. Architects will take bids in two weeks.

Piers (alts.), Delaware River, Race and Chestnut streets, Philadelphia. Engineer, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Owner, City of Philadelphia, City Hall, Philadelphia. Consists of new roofs and paving. Owner taking bids, due June 25th, at noon.

Warehouse, Morris and Water streets, Philadelphia. Architect, private plans. Owner, W. J. McCahan Sugar Refining Co., 101 South Front street, Philadelphia. Concrete and steel, 64x142 feet. Owner has received bids.

Brew House (alt. and add.), Thirty-second and Master streets, Philadelphia. Architect, Otto C. Wolf, Denckla Building, Philadelphia. Owner, Bergner & Engel Brewing Co., on premises. Brick, concrete and steel, 3 stories, 40x72 feet, slag roof, iron stairs, expanded metal. Architect has received bids.

Residence, Germantown, Philadelphia. Architects, Brookline & Hastings, 1713 Sansom street, Philadelphia. Owner, Albert W. Stone, 411 West Cheltenham avenue, Philadelphia. Stone, 2½ stories, hot water heating, electric lighting, oak floors, tile work. Plans about completed. Architects will take bids in about ten days.

Garage, Mentor and A streets, Philadelphia. Architect, Le Roy B. Rothschild, Bulletin Building, Philadelphia. Owner, Frank P. Hood, Bulletin Building, Philadelphia. Brick, 1 story, 22x103 feet, slag roof, metal ceilings, electric lighting, steam heating, gasoline storage system. Architect has received bids.

Loft Building, S. E. Cor. Ninth and Walnut, and 825 Walnut streets, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, S. P. Wetherill, Morris Building, Philadelphia. Reinforced

concrete and brick, 8 stories, 95x121 feet, and 25x143 feet, slag roof, steam heating, electric lighting, elevators, steel sash, fire doors. Plans about completed. Architect will take bids in ten days.

Church (alts. and add.), Carlisle and Dauphin streets, Philadelphia. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, First Church of the Brethren, Rev. Geo. D. Kuns, 2260 North Park avenue, Philadelphia. Dampproofing, electric lighting, steam heating, metal lath. Architect taking bids, due June 24th. The following are figuring: H. R. Warner, 2029 West Ontario street; H. E. Baton, Twelfth and Sansom streets; John N. Gill Co., Heed Building; D. G. Boyer, 3107 Almond street, all of Philadelphia.

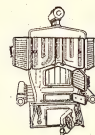
Residence (alt. and add.), Sixty-ninth avenue and Eleventh street, Oak Lane. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Miss Verna M. De Sanno, on premises. Stone, 2½ stories, tin roof, tile work (heating, electric work, hardwood floors, reserved). Architects taking bids, due June 25th. The following are figuring: Alex. Chambley, 243 South Tenth street; Loos & Dothard, 1438 South Penn Square; Frank E. Wallace, 1220 Chancellor street; A. R. Raff, 1635 Thompson street; Specht & Sperry, Heed Building, Philadelphia.

Residences (75), Seventieth and Paschall avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Kleiman & Zorochoff, Sixtieth and Greenway avenue, Philadelphia. Brick, 2 story, slag roof, steam and hot water heating. Owners are taking sub-bids.

Residences (8), Wagner between Eleventh and Twelfth streets, Philadelphia. Architect, private plans. Owner, Wm. Cooper, Wagner avenue, east of Eleventh street. Brick, 2 stories, 16x40 feet, hot water heating, slag roof, hardwood floors. Owner ready for sub-bids.

Residences (3), Park avenue, at Sixty-fifth street, Philadelphia. Architect, private plans. Owner, Wm. Claussen, Sixty-fifth and Park avenue, Philadelphia. Brick, 2 stories, 16x48 feet, slate roof, hot water heating, hardwood floor, tile work. Plans in progress.

—MILLS—



"Satisfaction"

When a type of boiler is made for 40 years, and each year's sales increase over previous ones there is but one conclusion—
They must give satisfaction.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.

Residences (25), West Side of Sixty-second street, between Haddington street and Jefferson street, Philadelphia. Architect, private plans. Owners, Bourne & Collings, 5441 Haverford avenue, Philadelphia. Brick, 2 stories, 15x50 feet, 10 feet porches,

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

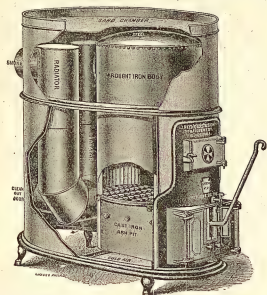
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Our entire staff of experts is at your service to co-operate in the planning of gas installations for any operation work.

Whether your requirements involve installation of All-Gas Kitchens or the piping of houses for illumination, we are ready to serve you.

Call up our "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

hot water heating, slag roof, hardwood floors, tile baths. Owners taking sub-bids on all lines.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Store Building (remodeling), N. E. Cor. Eleventh and Market streets, \$25,000. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, Frank & Sedar, Commercial Building, Eighth and Chestnut streets. Consists of remodeling for Department store, brick and steel, 4 stories, slag roof, steam heating, electric lighting, metal lath, concrete fireproofing (elevators, reserved). Owners taking bids, due June 24th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; Smith-Hardican Co., 1606 Cherry street; Harry R. Rust, 724 Ludlow street. Architect also taking sub-bids.

Dwellings (3), Lex street, south of Fairmount avenue, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 18x40 feet, slag roof, hot air heating, electric lighting. Plans in progress.

Stores and Apartments (3), Fairmount avenue and Lex street, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, name withheld. Brick, 3 stories, 20x50 feet, slag roof, steam heating, electric lighting, tile work, fireproofing. Plans in progress.

Flat Houses (2), 424 North Fortieth street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Chas. A. Mory, 1211 Arch street, Philadelphia. Brick, stone trimmings, 2 stories, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner taking bids. The following are figuring: Mitchell Bros., 2125 Race street; Wm. A. Patterson, 5333 Vine street; Geo. A. Boyd, 211 East Willow Grove avenue.

Residence, Broad and Dauphin streets, Philadelphia. \$10,000. Architects, (Assoc.) E. Allen Wilson and S. K. Neubauer, 1208 Chestnut street. Owner, L. Harrison, 2258 North Broad street, Philadelphia.

Brick, 3 stories, slag roof, hot water heating, electric lighting, oak floors, tile work. Architects taking bids, due June 30th. The following are figuring: P. J. Hurley, 1233 Cherry street; George Hogg, 1634 Sansom street; Jos. Bird Co., 213 North Eleventh street; Freund-Seidenbach Co., Bulletin Building; E. E. Hollenback, Fifteenth and Race streets; George & Bors., 277 South Eleventh street; Thos. C. Tracord, 1613 Sansom street; John T. Wolfe, 726 North Forty-first street; A. T. Bowen, Sixteenth and Master streets.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Church (alt. and add.), 6601 Germantown avenue. Architect, Chas. F. Schaeff & Co., 1524 Chestnut street, Philadelphia. Owner, Church of the Brethren, Rev. M. C. Swigart, 6611 Germantown avenue. Stone, 1 story, green slate roof (electric work and heating, reserved). Contract awarded to R. W. Neff, 6610 Germantown avenue, Philadelphia.

Club House (alt. and add.), 1223 Locust street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Princeton Club, 1521 Sansom street, Philadelphia. Brick, 4 stories, 18m20 feet, slag roof, oak floors, dumb-waiters, safety treads, tile work, waterproofing, metal frames and doors (heating,

electric work and hardwood floors, reserved). Contract awarded to Thos. C. Trafford, 1613 Sansom street, Philadelphia.

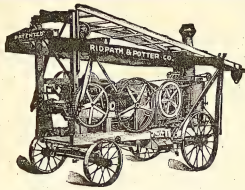
Store (alt. and add.), 4334 Germantown avenue. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Joseph Z. Morris, 4332 Germantown avenue, Philadelphia. Brick, 17x60 feet, electric light, hot water heat, parquetry floors. Contract awarded to F. Bakst, 1540 North Sixth street, Philadelphia.

Store and Office Building (fire repairs), 1028 Chestnut street. \$10,000. Architect, private plans. Owner, Geo. B. Wilson Estate, care Searing Wilson, Pennsylvania Building. Brick, stories. Consists of repairing fire damage to entire building. Con-

**The Broomell System
of Vapor Heating**

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. *It will pay you to investigate.*

VAPOR HEATING CO., HARTMAN BLDG., YORK : PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

tract awarded to H. C. Dahl, 231 South Eighth street, Philadelphia.

Factory (alt.), Third and Wood streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Janney & Burroughs, 315 North Third street, Philadelphia. Brick. Consists of installing new heating apparatus, new power plant and electric work. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

Hotel and Saloon (alt. and add.), 47 and 49 North Seventeenth street, Philadelphia. Architect, Carl P. Berger, South Penn Square Building, Philadelphia. Owner, Constantine Haas, Jr., 345 North Seventeenth street, Philadelphia. Brick, 4 stories, 40x45 feet, tin roof, metal lath (plumbing, heating and electric work, reserved). Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Distilling Building (alt. and add.), Delaware avenue and Tasker street. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Brick and reinforced concrete, 4 stories, 28x36 feet, slag roof, electric lighting. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Parochial School (alts.), Sixty-third and Lancaster avenue, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, Our Lady of Lourdes R. C. Church, Rev. J. A. Mullin, on premises. Consists of finishing of second floor, plastering, painting, slate blackboards. Contract awarded to John Mc-

Shain, 631 North Seventeenth street, Philadelphia.

Garage (alt. and add.), 1931 North Franklin street, Philadelphia. \$1,500. Architect, private plans. Owner, Dr. Chas. Schneider, 1932 North Seventh street, Philadelphia. Consists of general alterations and addition. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue, Philadelphia.

Store and Apartments (alt. and add.), S. W. Cor. Sixteenth and Brandywine streets. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, George Abbott, West Grove, Pa. Brick, 3 stories, 15x70 feet, tin roof, expanded metal lath, fire doors, parquet floors, tile work (plumbing, heating and electric work, reserved). Contract awarded to Thos. C. Trafford, 1613 Sansom street, Philadelphia.

Residences (3), St. Martin's, Philadelphia. Architect, Robert R. McGoodwin, 34 South Sixteenth street, Philadelphia. Stone, 2½ stories, shingle roof, oak floors, tile work, electric lighting hot water heating or hot air heating, separate bids. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

Drug Store (alt. and add.), Cheltenham and Lime Kiln Pike. Architect, private plans. Owner, Joseph C. Dreibelbis, on premises. Brick, 3 stories, metal ceilings, oak floors, dampproofing, tin roof, hot water heating, electric lighting. Contract awarded to McIver Const. Co., Heed Building, Philadelphia.

PENNSYLVANIA Construction News

Residence, Huntingdon, Pa. \$18,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Thomas P. Bailey, Huntingdon, Pa. Brick, 2½ stories, 30x37 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Plans in progress.

School (alt. and add.), Newville, Pa. \$15,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, School Board, care W. H. McCrea, Newville,

Pa. Brick, 2½ stories, 50x63 feet, slate and slag roof, dampproofing (heating, plumbing and electric work, separate bids). Owner will re-advertise for bids, due July 2nd.

Residence, Front and Pepper streets, Harrisburg, Pa. \$15,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, J. A. Donaldson, Second and Locust streets, Harrisburg, Pa. Stone, 2½ stories, 40x60 feet, slate roof, hot water



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.
BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.
2615-17 Frankford Ave - Phila., Pa.
ESTD BLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of
ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.
PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

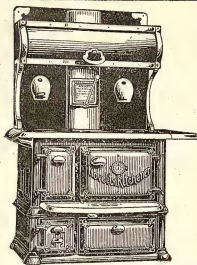
Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

LIBERTY STOVE CO.

Home Liberty Palace Liberty
Ranges and Heaters
308 Chestnut St., Phila.



"NOVELTY" REMINDERS—Number Two

A "Novelty" Range

Coal, Gas or Combination, and a "NOVELTY" Hot Water, Steam or Warm Air Heater are valuable selling points in any house.

Their appearance, construction, and satisfactory service in thousands of homes have given them a national reputation.

Have You Seen the New "NOVELTY" Products?

OUR BUILDERS' CATALOG IS NOW READY

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE American and Dauphin Sts.
PHILADELPHIA

heating, combination lighting, tile and hardwood floors. Architect taking bids, due July 1st. The following are figuring: W. B. Miller, Chas. W. Lady, Jos. Pomeo of Harrisburg, Pa.

Residence, Paxtang, Pa. \$6,000. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owner, J. E. Rutherford, Harrisburg, Pa. Brick, 2 stories, 32x42 feet, slate roof, vapor heating, combination lighting, hardwood floors. Architect taking bids, due June 19th. The following are figuring: E. B. Wright, Steelton, Pa.; D. N. Rieker, Paxtang, Pa.; E. N. Leho and Stapf & Banfer, Harrisburg, Pa.

Church (alt. and add.), Berwick, Pa. Architect, George C. Baum, 1424 Arch street, Philadelphia. Owner, Holy Trinity Church, Berwick. Brick, stone trimmings, 1 story, 40x60 feet, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about 3 weeks.

Manse, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Tully Memorial Presbyterian Church, Sharon Hill, Pa. Stone, hollow tile and plaster, 2½ stories, slate roof, electric lighting, hot water heating, oak floors, tile work. Revised plans about completed. Architects will take revised bids in a few days.

Bank and Office Building, Ebensburg, Pa. Architects, Hersh & Hersh, Altoona, Pa. Owner, Cambria Title Savings & Trust Co., Ebensburg, Pa. Brick, concrete, terra cotta and steel, fireproof, 4 stories, 72x90 feet, slag roof, iron stairs, dampproofing, metal lath, tile work (heating, plumbing, electric work, elevator, reserved). Architects taking bids, due June 26th. James H. Wells, Heed Building, Philadelphia, is figuring.

High School, Renovo, Pa. Architects, Woodnutt & Schmohl, Williamsport, Pa. Owner, Board of Education, Renovo, Pa. Brick and brownstone, 2 stories, 182x84 feet, slag roof, waterproofing and damp-proofing, iron stairs, steel sash, slate blackboards, metal doors (heating, plumbing, and electric work, separate bids). Owner taking bids, due July 1st. H. E. Baton, Twelfth and Sansom streets, Philadelphia, is figuring, in addition to those previously reported.

Church (alt. and add.), South Bethlehem, Pa. \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, St. Peter's Lutheran Church, South

Bethlehem, Pa. Brick, stone trimmings, 2 stories, slate and slag roof, steam heating, electric lighting, metal lath. Plans in progress. Architect will take bids in about one week.

Residence, Pennside, Pa. \$10,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, N. E. Parish, Pennside, Pa. Brick, 3 stories, 42x42 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architect has received bids.

Residence, West Chester, Pa. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, G. H. McFarland, West Chester, Pa. Stone, 2½ stories, 45x23 feet, wing 22x20 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Residence (alt.), Villa Nova, Pa. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Joseph Y. Jeanes, Villa Nova, Pa. Consists of two new tile both rooms and general interior alterations. Plans in progress. Will take bids in a few days.

Home Buildings, Williamsport, Pa. \$250,000. Horace Trumbauer, Land Title Building, Philadelphia. Owner, State of Pennsylvania Home for Criminal Women, George Quintard Horwitz, Chairman Building Commission, West End Trust Building, Philadelphia. Stone and brick, 2½ stories; (2) cottages 109x33 feet each; (1) cottage 96x79 feet each; administration building and school 153x74 feet; slate roofs (steam heating, plumbing and electric work, separate bids). Owner taking bids, due June 30th, at noon. In addition to those previously reported, the following are figuring: Metzger & Fisher, Denckla Building; Ketcham & McQuade, 1029 Brown street; Mitchell Bros., 2125 Race street; Beard Construction Co., Reading, Pa.; Berwick Lumber & Supply Co., Berwick, Pa.; Thompson-Starrett Co., 49 Wall street, New York City.

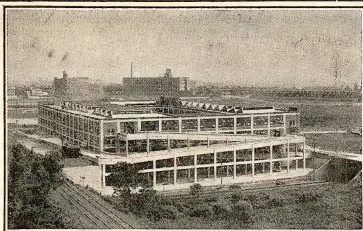
Nurses' Home, Lock Haven, Pa. Architects, Harris & Rush, 130 South Fifteenth street, Philadelphia. Owner, Lock Haven Hospital, Lock Haven, Pa. Brick, stone and terra cotta, 3 stories, 69x34 feet, green slate and canvas roof, vapor vacuum heating, electric lighting, waterproofing, oak floors, metal lath, tile work. Architects have received bids.

High School (add.), Parkesburg, Pa.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Board of Education, Geo. W. Lufkin, Secretary, Parkersburg, Pa. Brick, 2 stories, 63x55 feet, slag or asbestos roof, metal lath, damp-proofing, metal ceilings (heating, plumbing and electric work, separate bids). Owners taking bids, due June 23rd. In addition to those previously reported, J. H. Thorne, Coatesville, Pa., is figuring.

School, Highland Park, Pa. \$50,000. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, Board of Education, care J. M. Lutz, Secretary, Llanerch, Pa. Stone, 2½ stories, 100x137 feet, slate roof. Plans completed. Owner is ready for bids.

Residence (alt. and add.), Wynnewood, Pa. Architects, McIlvain & Robert, Land Title Building, Philadelphia. Owner, Ralph B. Evans, Wynnewood, Pa. Stone and plaster, 2½ stories, 22x12 feet, shingle and canvas roof, electric lighting, hot water heating. Architects have received bids.

Lime Kilns, Cedar Hollow, Pa. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owner, Chas. Warner Co., Wilmington, Del. Brick, steel and corrugated iron and concrete. Plans in progress. Engineers will take bids in about one month.

Club House (alt. and add.), Ardmore, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Cassia Lodge No. 273, F. & A. M., Ardmore, Pa. Stone, 2 stories, asbestos shingle roof, steam heating, electric lighting, wire lath, dampproofing. Architect taking bids, due June 28th. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; Jacob Myers & Sons Co., Witherspoon Building; Oscar E. Lobb, Llanerch, Pa.; Frank H. Mahan, Ardmore, Pa.; W. D. Smedley, Narberth, Pa.; W. Harry Roberts, P. O., Ardmore, Pa.; Alfred James, Bala, Pa.; Philip S. Davis, Bryn Mawr, Pa.

Residence, Bristol, Pa. Architects, Van Noorhees & Harvey, Hale Building, Philadelphia. Owner, David Landreth, Bristol, Pa. Hollow tile and plaster, 2½ stories, 37x40 feet, slate roof, electric lighting, hardwood floors, hot water heating. Architect taking sub-bids on all lines, due June 19th.

Barn (rebuilding), Newtown Square, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Miss Anne Vaulain, Newtown Square, Pa. Stone and frame, 2 stories, shingle roof, cork brick floors. Architects have received bids.

Residence (rebuilding), Stratford, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George Quintard Horwitz, West End Trust Building, Philadelphia. Stone and timber, 2½ stories, shingle roof, hot water heating, electric lighting, hardwood floors. Plans

about completed. Architect will take bids in one week.

Silk Mill (adds.), Marcus Hook, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, American Viscose Co., Marcus Hook, Pa. Brick and reinforced concrete, weave shed, 1 and 2 stories, 153x423 feet, and carpenter shop, 2 stories, 47x73 feet, slag roof, metal frames and sash (steam heating and electric work, reserved). Architects taking bids, due June 29th. The following are figuring: Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth street; Ketcham & McQuade, 1029 Brown street; H. E. Baton, Twelfth and Sansom streets; Wm. R. Dougherty, 1610 Sansom street, all of Philadelphia, and Wm. Provost, Jr., Chester, Pa.

Sunday School and Parsonage, Ardmore, Pa. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, First Presbyterian Church, Ardmore, Pa. Stone, 1 and 2½ stories, 60x115 feet, slate roof, steam heating, electric lighting, tile work. Plans in progress.

School Building, Harrisburg, Pa. \$90,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Board of Education, Harrisburg, Pa. Brick, stone trimmings, 3 stories, 82x180 feet, composition roof, concrete fireproofing, metal lath, slate blackboards, plumbing and heating, owner is taking bids). Plans in progress for building.

School Building, Gap, Pa. \$25,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Board of Education, Gap, Pa. Brick, 2 stories, 60x88 feet, slag roof, steam heating, electric lighting, slate blackboards, concrete fireproofing. Plans in progress.

Store and Office Building, York, Pa. \$20,000. Architect, Robert A. Stair, Guardian Trust Building, York, Pa. Owner, Anna L. Gardner Estate, York, Pa. Brick, stone and steel, 2 stories, 65x85 feet, slag roof, steam heating or vapor heating, electric lighting, tile work, damp-proofing. Architect taking bids. The following are figuring: J. L. Menough, Samuel F. Gladfelter, G. W. Gilbert, Casper H. Oerman, Hess Bros., all of York, Pa.

Car Barn, Oil City, Pa. \$15,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owner, Citizens Traction Co., Oil City, Pa. Brick, concrete and steel, 1 story, 38x150 feet, and 15x100 feet, slag and concrete roof (stell sash, rolling doors, heating, electric work, reserved). Engineers taking bids due June 28th. The following are figuring: Monaghan & Losse, 214 South Twelfth street; F. A. Havens & Co., 845 North Nineteenth street, both of Philadelphia; J. B. Trexler, Reading; W. D. Steinbach & Son, Lewistown, Pa.; E. M. Crouch, Lewis O. Bouquin, J. T. Meals, H. C. Mundy, all of Oil City, Pa.; Eshelman,

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked 13/16" x 2 1/4" and 3 1/4" face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS
Commonwealth Bldg. - Philadelphia

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

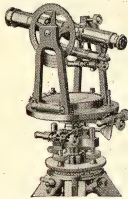
T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

Corrin & Wilt, Northwestern Construction Co., John Richey, all of Franklin, Pa.

Residence (alts.), Radnor, Pa. Architect, Thomas Mott Shaw, 15 Beacon street,



ANOTHER TRIUMPH for a PHILA. MADE PRODUCT

The BUREAU OF SURVEYS, CITY OF PHILA. has adopted as a standard our **STERLING PRECISION TRANSIT**.

This endorsement by such HIGH AUTHORITY, should be YOUR GUARANTEE of the SUPREME ACCURACY, EXCELLENCE of DESIGN and WORKMANSHIP, SIMPLICITY and PRACTICAL VALUE of

"STERLING" INSTRUMENTS

Our New Models are now on exhibition, and as you will find it WORTH WHILE to examine them, WE INVITE YOU TO CALL AND GET ACQUAINTED!

WARREN-KNIGHT CO.

FACTORY AND SALESROOM
136 N. 12th Street PHILADELPHIA

We repair
Tapes
Transits
Levels

Rebuilt
Instruments
For Sale
or Rent

Boston, Mass. Owner, Miss Marian Mott, Radnor, Pa. Consists of new porches and interior alterations, copper roof, metal lath, oak floors, electric lighting, tile work, ornamental iron work. Architect taking bids, due June 25th. G. H. E. Grau Co., 1707 Sansom street, Philadelphia, is figuring.

Residence (rebuilding), Strafford, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George Quintard Morwitz, West End Trust Building, Philadelphia. Frame, brick, 2½ stories, green slate roof, canvas floors, oak floors, metal lath, tile work, warm air and hot water heating (electric work and metal weather strips, reserved). Architect taking bids, due June 28th. The following are figuring: George & Borst, 277 South Eleventh street; Mitchell Bros., 2125 Race street; Milton W. Young, Overbrook; F. L. Hoover & Sons, 1023 Cherry street, all of Philadelphia, and Charles B. Palmer, Wayne, Pa.

Residences (29), Darby, Pa. Architect, private plans. Owners, Wadas & Jones, Observatory Hill, Pa. Brick, 2 stories, 16 x34 feet each, slag roof, steam heating, hardwood floors. Owners will take sub-bids in 2 weeks.

Parish House, Eddystone, Pa. Architects, Geo. Nattress & Son, Twelfth and Walnut streets, Philadelphia. Owner, St. Peter's P. E. Church, Eddystone, Pa. Stone, 1 story, 30x60 feet, slate roof,

steam heating, electric lighting. Plans about completed. Architects will take bids in a few days.

Apartment House, Washington street, Wilkes-Barre, Pa. \$110,000. Architect, Henry A. Maier, 701 Coal Exchange Building, Wilkes-Barre. Owner, H. A. & F. Maier, 701 Coal Exchange Building, Wilkes-Barre. Brick and terra cotta, 6 stories, 100x108 feet, slag roof, steam heating, electric lighting, hollow tile, fireproofing, metal windows, steel doors, ventilators, dumb-waiters, elevators, wood and concrete floors. Architect ready for bids.

Residence, Carey avenue, Wilkes-Barre, Pa. \$4,000. Architect, Henry A. Maier, 701 Coal Exchange Building, Wilkes-Barre. Owner, E. C. Zuber, 701 Coal Exchange Building, Wilkes-Barre. Stucco on wire lath, 2½ stories, 28x32 feet, shingle roof, electric lighting. Owner is taking bids.

Apartment House, Nanticoke, Pa. \$13,000. Architect, Henry A. Maier, 701 Coal Exchange Building, Wilkes-Barre. Owner, Frank Dvlin, South Main street, Wilkes-Barre. Brick, 3 stories, 38x50 feet, slag roof, steam heating, electric lighting. Plans in progress.

Garage, Pennsylvania avenue, Wilkes-Barre, Pa. \$6,000. Architect, Henry A. Maier, 701 Coal Exchange Building, Wilkes-Barre. Owner, Max Lewis, South Franklin street, Wilkes-Barre, Pa. Brick, 1 story, 40x128 feet, slag roof, steam heating, electric lighting, concrete floors. Architect taking bids.

PENNSYLVANIA Contracts Awarded

Laundry Building (add.), Paradise Township, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owner, Paradise Protective and Agricultural School, care Rt. Rev. Bishop J. W. Shanahan, 2040 North Fifth street, Harrisburg, Pa. Brick, 2 stories, 28x30 feet, slate roof, steam heating, electric lighting, concrete floors. Contract awarded to Stevens & Elder, Abbottstown, Pa.

Store and Apartments, Carlisle, Pa. \$10,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, J. Weiner, Carlisle, Pa. Brick, 3 stories, 20x105 feet, slag roof, steam heating, electric lighting. Contract awarded to James Porter, Carlisle, Pa.

Masonic Temple (alts.), Harrisburg, Pa. \$5,500. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Harrisburg Consistory, Harrisburg, Pa. Consists of general interior alterations. Contract awarded to Chas. W. Lady, Harrisburg, Pa.

School, Greencastle, Pa. \$25,000. Architect M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Board of Ed-

ucation, E. W. Palmer, Greencastle, Pa. Brick, 2 stories, 80x90 feet, slag roof, dampproofing, electric lighting, heating undecided. Contract awarded to C. E. Hollinger, Shady Grove, Pa.

Residence (alt. and add.), Wyncote, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, John Gribble, 1513 Race street, Philadelphia. Stone, 2½ stories, 17x51 feet, tile roof, electric lighting, steam heating, asphalt floors, waterproofing. Contract awarded to J. A. Beyer, 1325 Ogden street, Philadelphia.

Sunday School, Harrisburg, Pa. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owner, Curtin Heights M. E. Church, Harrisburg, Pa. Stone, 2 stories, slate roof, steam heating, electric lighting. Contract awarded to C. A. Soltenberger, Harrisburg, Pa.

School (alt. and add.), Swarthmore, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, Mary Lyon School, H. M. Crist, Swarthmore, Pa. Stone and plaster, 2 stories, slag and shingle roof, metal lath, damp-proofing (steam heating, plumbing, electric

work, metal lockers, reserved). Contract awarded to Flounders Bros., Media, Pa.

Residence, Dumont, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Wm. B. Buchanan, West Mt. Airy avenue, Philadelphia. Frame, 2½ stories, 28x32 feet, shingle roof, oak floors, tile work (heating, plumbing and electric work, reserved). Contract awarded to A. Whitehead, Inc., 1624 Latimer street, Philadelphia.

Residence (alt. and add.), Rosemont, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Charles Sinnickson, Rosemont, Pa. Stone and plaster, 2½ stories, shingle roof, oak floors, metal lath, electric lighting (heating, ornamental plaster and tile work, reserved). Contract awarded to Geo. L. Croll, Rosemont, Pa.

High School, South Bethlehem, Pa. \$175,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Board of Education, Dr. Yost, Secretary, South Bethlehem, Pa. Brick, ½ stories, 125x145 feet, composition roof (heating and plumbing and electric work, separate bids). Contract awarded to Robert S. Rathburn, Allentown, Pa.

Twin Residence, Bala, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Wm. C. Fleck, 44 North Fifth street, Philadelphia. Frame, 2½ stories, 16x40 feet, shingle roof, hot water heating, electric lighting (plumbing and heating, reserved). Contract awarded to Geo. W. Roberts, Willow Grove, Pa.

New Jersey Construction News

Trestle and Crusher House, Camden, N. J. Engineer, Albert C. Wood, Pennsylvania Building, Philadelphia. Owner, Victor Talking Machine Co., Camden, N. J. Reinforced concrete crusher house, 99x223 feet; trestle, 360 feet long; tile roof, metal sash and doors, waterproofing. Engineer has received bids.

Residence, Princeton, N. J. \$80,000. Architect, H. T. Lindeberg, 2 West Forty-seventh street, New York City. Owner, Gerard B. Lambert, Princeton, N. J. Brick and hollow tile, 2½ stories, 40x180 feet, shingle roof, electric lighting, tile and marble work, waterproofing, dampproofing, oak floors, metal lath, metal weather strips (heating, reserved). Architect taking bids, due June 21st. The following are figuring: George & Borst, 277 South Eleventh street, Philadelphia; H. L. Brown, 1714 Sansom street, Philadelphia; Matthews Const. Co., Princeton, N. J., and Frank N. Goble, 1 East Forty-second street, New York City.

School, Collingswood, N. J. \$25,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Board of Education, Collingswood, N. J. Brick, stone trimmings, 2 stories, composition roof, metal lath, concrete floors, safety treads (heating, plumbing, electric work, separate bids). Owners taking revised bids, due June 24th. McCloskey & Bahls, Hale Building, and Geo. W. Shaner & Son, Palmyra, N. J., are figuring.

Sunday School, Palmyra, N. J. \$25,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owner, M. E. Church, Rev. Van Sant, Palmyra, N. J. Stone, 2 stories, slate roof, steam heating, electric lighting, tile work. Plans in progress.

Passenger Station, South Orange, N. J. Architect, F. J. Nies, Hoboken, N. J. Owner, Delaware, Lackawanna & Western

Railroad Co., Hoboken, N. J. Brick, steel and concrete, fireproof, 2 stories, 98x123 feet, tile roof, safety treads, waterproofing, metal lath, tile and terrazo work, cork floors (heating and electric work, reserved). Owner has received bids.

Church (alt. and add.), Haddonfield, N. J. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, First Presbyterian Church, Haddonfield, N. J. Stone, terra cotta and concrete. Consists of new belfry tower and interior alterations, flat tile and composition roof, damp-proofing. Architects taking bids, due June 24th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; George & Borst, 277 South Eleventh street; H. H. Burrell, 206 South Quince street; Frederick Elvidge & Son, 5522 Germantown avenue, all of Philadelphia.

Schools (3), Barrington, Lanwisle and Highland Park, N. J. \$37,500. Architect, John L. Convey, Drexel Building, Philadelphia. Owner, Center Township School Board, care E. A. Graeff, Clerk, Magnolia, N. J. Brick, 2 stories, slate and slag roofs (heating, plumbing and electric work, separate bids). Owner taking revised bids, due June 29th. Plans may be obtained from architect upon deposit of a check for \$15.00.

Residences (20), Trenton, N. J. \$34,000. Architect, private plans. Owner, David G. Bealor, Trenton, N. J. Brick, 2½ stories, 14x40 feet, and 13x20 feet each, slate, slag and tin roofs, hot air heating, gas and electric lighting. Owners are sub-letting all contracts.

Church, Dunellen, N. J. \$30,000. Architect, W. P. Endebrock, American Mechanics Building, Trenton, N. J. Owner, St. John the Evangelist, Rev. Father Din-

phy, Dunellen, N. J. Brick and terra cotta, 1 story, 50x110 feet, slate roof, steam heating, electric lighting, metal lath. Plans in progress.

Residence, Trenton, N. J. \$8,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, J. F. Convery, 19 Perdicaris street, Trenton, N. J. Brick, 3 stories, 48x29 feet, slate roof, steam heating, hardwood floors, tile work, metal lath, electric lighting. Architects taking bids, due June 24th. The following are figuring: Scott & Day, Burton & Burton, W. J. & J. H. Morris, Joseph Dougan, Charles Smith, all of Trenton, N. J.

School Building, Harborton, N. J. \$5,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Pennington Township Board of Education. Frame, 1 story, 69x30 feet, shingle roof. Plans in progress.

Garage and Service Building, Trenton, N. J. \$12,000. Architects, W. W. Slad & Son, American Mechanics Building, Trenton. Owner, Gomery-Schwartz Motor Car Co., Broad and Cherry streets, Philadelphia. Brick, 2 stories, 62x85 feet, slag roof, steam heating, electric lighting, steel sash, cement floors. Architects are ready for bids.

Crescent Temple, Trenton, N. J. \$40,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Ancient Order of Arabic Nobles of the Mystic Shrine, Trenton, N. J. Brick and terra cotta and stone, 2 stories, 90x120 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing and waterproofing. Edward Reeger, Lalor and Broad streets, Trenton, N. J., submitted the lowest bid.

NEW JERSEY

Contracts Awarded

Church, Barrington, N. J. Architects, Chas. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, Presbyterian Church, Barrington, N. J. Stone, 1 story, 60x85 feet, slate roof, electric lighting, steam heating. Contract awarded to Geo. W. Shaner & Son, Palmyra, N. J.

Residence (alt. and add.), Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, W. D. Buzby, Moorestown, N. J. Stone and frame, 2½ stories, electric lighting. Contract awarded to Stewart L. Maines, Moorestown, N. J.

Police Stations (2) (alts. and add.), Trenton, N. J. \$25,000. Architect, W. P. Endebrock, American Mechanics Building, Trenton. Owner, City of Trenton, City Hall, Trenton, N. J. Brick, 1 story, 40x80 feet, and 30x30 feet, slag roof, steam and hot water heating, electric lighting, metal lath. Contract awarded to Wm. R. Ivins, 705 Monmouth street, Trenton, N. J.

Residence, Trenton, N. J. \$5,000. Architect, Private plans. Owners, Case & Cain, Forst Richey Building, Trenton, N. J. Brick, 2½ stories, 32x41 feet, slate and tin roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Wm. Musson, 637 Monmouth street, Trenton, N. J.

School (add.), Eldridge Park, N. J. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Board of Education, Eldridge Park, N. J. Brick, 63x35 feet, slate roof, concrete floors, metal lath. Contract awarded to Lewis Levy & Son, Trenton, N. J.

Church, Trenton, N. J. \$16,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, Shiloh Baptist Church, Trenton, N. J. Brick and terra cotta, 1 story, 35x62 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing. Contract awarded to Scott & Day, Inter State Telephone Building, Trenton, N. J.

Garage, Trenton, N. J. \$2,500. Architect, private plans. Owner, Alfred Baigeanine, Trenton, N. J. Brick, 1 story, 34x80 feet, slag roof, electric lighting, cement floors. Contract awarded to Eli Robeca, 11 Beatty street, Trenton, N. J.

Miscellaneous Construction News

Residence, Seaford, Del. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, name withheld. Brick and frame, 2½ stories, 25x36 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

School, Canton, Ohio. Architects, C. C. and A. L. Thayer, New Castle, Pa. Owner, Board of Education, W. C. Lane, Clerk, Canton, Ohio. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 80x149 feet, asbestos roof, metal lath, metal sash, steel lockers, iron stairs, electric lighting, steam heating. Owner taking bids, due June 28th, at noon. James H. Wells, Heed Building, Philadelphia, is figuring.

High School, Washington, D. C. \$500,000. Architect, Snowden Ashford, Municipal Building, Washington, D. C. Owner, Board of Education, District of Columbia, Washington, D. C. Brick, concrete and steel, fireproof, 3 stories, 401x123 feet, slag roof, tile work, metal lath, metal weather-strips, waterproofing, safety treads, enameled bricks, iron stairs (heating, plumbing, and electric work, separate bids). Owner taking bids, due June 30th. Irwin & Leighton, 126 North Twelfth street, and Cramp & Co., Denckla Building, Philadelphia, are figuring.

Car Shops, Chicago, Ill. Engineer, M. A. Long, B. & O. Building, Baltimore, Md. Owner, Baltimore & Ohio Railroad Co., Baltimore, Md. Brick, concrete and steel, 1 story, engine house and machine shop, 220x80 feet; office building, 160x46 feet; sand house, 52x22 feet; oil house, 37x23 feet, composition roof, waterproofing (heating, plumbing, electric work, reserved). Owner taking bids, due June 25th. For house, Arey Co., Fidelity Building, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Business Building, East Newmarket, Md. \$20,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Board of Trade, East Newmarket, Md. Brick, 2 stories, 60x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Factory Building, Wilmington, Del. \$10,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, name withheld. Hollow tile and steel, 1 and 2 stories, 75x150 feet, slag roof, steam heating, electric lighting. Plans in progress.

High School (add.), Wilmington, Del. \$135,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Board of Education, High School Building, Wilmington, Del. Brick, 4 stories, 85x185 feet, slate and slag roof, electric lighting, slate blackboards, metal lath, mechanical heating and ventilating system. Plans about completed.

Library Building, Indianapolis, Ind. \$500,000. Architects, Zantzinger, Borie & Medary, N. E. Cor. Fifteenth and Walnut streets, Philadelphia. Owner, Board of School Commissioners, John E. Clelland, Business Director, Winner Building, Indianapolis, Ind. Brick and stone, steel reinforced concrete, 3 stories, 150x200 feet, slag roof, steam heating, electric lighting, cork and composition floors, metal lath, dampproofing. Owner taking bids, due July 20th, at noon. The following are figuring: Metzger & Fisher, Denckla Building, Philadelphia; Lynn B. Millikan, Wm. P. Jungclauss Co., both of Indianapolis, Ind.; G. Hartman Contracting Co., St. Louis, Mo.; Norcross Bros. Co., Worcester, Mass.; Connors Bros. Co., New York City.

Warehouse, Port Wayne, Indiana. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, General Electric Co. of Indiana, Port Wayne, Ind. Brick and reinforced concrete, 5 stories, 100x300 feet, slag roof, electric lighting, elevators. Plans completed. Owners ready for bids.

Hotel (alt. and add.), Schenectady, N. Y. Architect, Charles A. Sussdorff, 100 State street, Albany, N. Y. Owner, Mohawk Hotel Co., John H. Meehan, President, Schenectady, N. Y. Brick, reinforced concrete and terra cotta and steel, fireproof, 8 stories, 78x95 feet, slag roof, metal lath, waterproofing, iron stairs, tile work, metal doors (heating and electric work, reserved). Architect taking bids, due June 23rd. Smith-Hardican Co., 1606 Cherry street, Philadelphia, are figuring.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., JUNE 23, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year.—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years.—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years.—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President. M. B. Medary
First Vice-President. J. P. B. Sinkler
Second Vice-President. A. H. Brockie
Secretary. Horace Wells Sellers
Recorder. Arthur I. Meigs
Treasurer. George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President. John F. Harbeson
Vice-President. Herman L. Duhring
Secretary. Frederick A. Muhlberg
Treasurer. Walter Mellor
Directors—Clarence C. Zantzing, John Mol-
itor, John Graham, Jr., Frederick A.
Muhlberg.

Editorial Comment

That estimating is not an exact science everybody is aware who knows anything of the game of "guessing at cost" as it is played among present-day builders. The average builder has, it is true, a general idea of what a given type of building ought to cost under favorable conditions. He knows in a general way how much material it will require, what this material will cost and the wage rate of the labor necessary to put it into place. He knows, too, that delays, strikes, market fluctuations and unfavorable weather conditions can so increase these costs as to convert an apparent profit into a much more apparent loss. The man, knowing nothing of building, would say, "Yes, but as a good business man he (the builder) of course leaves a margin out of which to take care of emergencies such as these." Does he? He does not. Competition has become so keen, the tendency to gamble in the matter of bidding so general that the average builder makes allowances for nothing. Like the girl who fires a revolver for the first time, he just shuts his eyes, pulls the trigger and takes a chance.

He wins out on this method of doing business, now and then, usually with the aid of those blessed "extras," to which many a venturesome builder has more than once owed his salvation. Quite often he loses out and loses out heavily.

The game has gone so far that the better class of builders no longer care to bid on new work. They prefer to build on a fixed percentage of the cost. This percentage basis is in every way preferable to the old system of competitive bidding. It means better building for one thing. It means the complete elimination of scamping. It means fewer and less expensive extras. And last, but by no means least, it means a co-operative and harmonious relation as between builder and architect. The builder, released from all worry as to his ability to finish within his estimate, is enabled to devote his time to seeing that the work is done right and the architect is spared the usual battle over "extras," scamped details, and other expedients resorted to by the builder who is trying to fight his way "whole" on a bad guess.

* * *

To just what extent this guessing game in the matter of bidding on big work has gone is shown by a recent editorial in "Architecture and Building." The writer of this editorial is Mr. Theodore Starrett, one of the most experienced of present day builders.

"The gift of foresight—real knowledge of things that were to happen before they happened," writes Mr. Starrett, "belonged only to the prophets of old, at least so I have been told. There is no man living now that can tell exactly what a thing done in the building line is going to cost. There may be men who have said in advance that that thousand of bricks can be laid for so many dollars and

so many cents, but if it came out exactly as they said, it wasn't prophesying—it was guessing. Or it might have been fancy time-keeping.

"I knew a superintendent once—a contractor's superintendent—who was so positive about everything he did and so determined that everything should come out exactly as he figured it, whether in cost or in the time consumed, that he never put down anything in the way of cost until after it had happened.

"He would anticipate nothing. Even in such matters as making a time schedule, or, in other words, fixing a date on which this or that thing should be done, he would always wait until the thing was done; then he would write the date down on the schedule and know it was right. He was the kind of a man that if he had got to be a real contractor and builder would have told you what your building would cost after it was finished.

* * *

"(If all buildings were done this way where would be all the money contractors have lost, or where would be the buildings that have been built?)

"The boss of this iron-headed superintendent was not that kind of a man. He had to anticipate; he had to guess what the job was worth, and, as I have expressed it before, make a bet with the owner that he could do it for so much money and in such and such a time.

"I was speaking of making the cost come out the same as the estimate. I said that if it did, exactly, it was a good guess and not prophecy—not foreknowledge, for the days of the prophets are gone.

"Well, this contractor's superintendent used to amuse himself—I think it amused him or interested him or entertained him—by making an estimate, or guess, once in a while, and he always made the cost come out exactly the same as the estimate. He did it by fancy timekeeping—which I spoke of just back there.

"It was a modern establishment, this contractor's establishment that I am speaking about, and they kept time the way time should be kept. They had timekeepers and materialmen on every job, and my superintendent friend—he of the iron jaw and the inflexible will—used to cause his timekeeper to force the cost of any line of work to any desired sum or amount (to fit the estimate that I have just said he sometimes condescended to make)—this iron-jawed superintendent used to force the cost by charging any excess to General Conditions, an item in the cost of the work that he had had nothing to do with and didn't intend to have anything to do with, because it was the boss' lookout.

"Unfortunately the boss had to pay for all the general conditions and they were made to

cover such a multitude of sins that the iron-jayed and omniscient superintendent was worse than none at all. He was prophet with respect to certain parts of the work, but worse than useless as regards the whole work.

* * *

"I wonder if there is any contractor in the world reading this, I wonder if any contractor could tear himself away from the lists of contracts to be let long enough to read what is written here.

"Well, a shrewd money-making contractor only yesterday told me that he had lost thirty thousand dollars in the past year.

"How did he lose it? By getting 'preferences' on work and doing it at other people's figures. He was a desirable contractor from somebody's point of view, skillful, good natured, no scrapper for extras and a good medicine-taker. That's why they liked him. That's why he got the jobs. Thirty thousand dollars worth of wrong guesses in one year!

"A contractor is not a prophet, but after he has built a few things he knows what they will cost—if he is a man who has the power of observation coupled with memory and judgment. The best ones that I have known say that the uncertainty of anticipating cost is great as well as very surprising. Two jobs, exact duplicates, may cost 100 per cent. apart. This is due to different men doing them and to the uncertainties of trade union supply and demand.

"Yet many and many a contractor forgets the uncertainties—certainties they should be called—of the game, and listens to the persuasions of—somebody, to undertake work at other people's figures.

* * *

"Sometimes they are not even that. Sometimes they are imaginary figures that those poor devils of contractors are persuaded to take work at.

"I hope there is a good hot place in the Infernal Regions reserved for those wanton mischief-makers—those robbers who persuade contractors to take work at other people's figures.

"There should be, too, a good hot pavilion for the fellows that make those figures."

* * *

Surprising?

Not to one familiar with modern competition. The really surprising thing is the number of men who, doing business along this line for years and years past, have been able to survive and to continue guessing.

The remedy? Quantity surveying for one thing. For the other the percentage basis, this guessing game having about reached its limit.

* * *

In a recent article Charles Peck Warren, professor of architecture at Columbia University, discusses as follows the effect of many tall buildings on a community:

"A congestion of skyscrapers in any community is objectionable for several reasons; it is dangerous to life, a menace to health and it impedes traffic. It is quite true that the modern building can be made fireproof, but when filled with inflammable material it be-

comes in effect merely a stove or a furnace in case of fire. A large percentage of so-called loft buildings are used for manufacturing purposes, for which they were here not designed. Under the present building code it is still possible for owners to pervert the uses of their buildings.

"In regard to the second cause, the dark rooms in which thousands must work, cut off from light and air by the adjoining tall buildings, unquestionably have a damaging effect upon the health of the occupants. This, however, might not have any effect in limiting the height of buildings, but the fact that these darkened lower floors yield a smaller revenue will have its effect.

"Concerning the third cause, it does not need any elaborate explanation to show that tall buildings bring about a thoroughly undesirable congestion of population. Start to walk up Fifth avenue from Fourteenth street any day at the noon hour. It is almost impossible, because of the tremendous outpouring of the occupants of the adjoining loft buildings. The result is the neighborhood is shunned, shops become undesirable, rent falls and the buildings fail to return a proper percentage of profit on the land. When this happens, either the building must be torn down and be replaced by a more remunerative one or land values will decrease.

* * *

"The future uncertainty of land values in New York City will also have a tendency to discourage the creation of high buildings. Hitherto the tendency of values has been almost uniformly upward, but in the last few years there has been in some quarters, notably in the Broadway section above City Hall up and in lower Fifth avenue, a tendency in the opposite direction. Who can foretell with any certainty the effect of the future subways and tunnels upon land values? Suppose the vast outlying area should be developed for manufacturing purposes? Of what use would be the loft buildings?

"A skyscraper is not necessarily a money-making investment. The majority return rents less than many other forms of investment, and some of them actually lose money. This is a sad commentary on the life of a skyscraper that the first, the Tower Building, 52 Broadway, erected in 1888, was torn down in 1913. Why? Because it did not pay, and on its site is being erected a low arcade stone structure, equivalent in height to the average four-story building."

* * *

The semi-annual Building Statistics Number of "The Guide" will appear July 14th. This number, with its carefully collated data on the building activity of the first six months of 1915, will go out to, in addition to the architects, the regular subscribers and readers of "The Guide," a selected list of building owners, investors, architects, builders and building trades factors of importance all over the United States. The wide appeal of this semi-annual special number makes it a particularly valuable medium for high class trade advertising. Following the custom of former years, preferred position will go to those who

contract for space while it is possible to award special position. If you have not yet arranged to have your firm represented in this special number, you should take steps to do so at once. Mr. De Lone or Mr. Harvey will be pleased to talk details with parties interested.

* * *

The trustees of the Cathedral of St. John the Divine have had made a paper model of the nave in order to determine just what the nave will look like when it is constructed of stone. This paper nave—no ordinary model, by any means—will be shown in the architect's office in the Aeolian Building. The public in limited numbers will be permitted to inspect it. It is declared to be the most elaborate model ever constructed, four men having been at work upon it for six months.

It is also built of material never before used for such a purpose, and it is large enough to show exactly how the nave of the great edifice will look when completed. When one erects a nave that costs \$1,000,000, and an entire edifice that will run up to \$10,000,000, it may be, one wants to know what the structure is to be like when it is finished. Old cathedral builders took chances and some succeeded and some failed. American cathedral builders take few chances. They build one nave to know how to build another.

The trustees of St. John's Cathedral have just adopted a resolution giving "general approval of the preliminary sketches of the nave of the cathedral, submitted by Cram & Ferguson, with possible modification of buttresses and other details to be determined by the trustees in conferences with the architects." Subject to minor revisions, therefore, the plans for the cathedral nave have been accepted.

* * *

Keen interest has been shown by New York in all the plans for St. John's Cathedral, and the present designs are made public at this time in order in part to get intelligent criticism. Concerning the model of the nave and the cathedral itself as it is some time to appear the architects say in a formal statement just made public:

"We have made no attempt to develop a final scheme for the crossing, transepts, towers and west front. The time has not come for decision on these points. The question of a central dome, tower or spire as against transeptal or other towers should await the construction of the nave. As at present designed we are persuaded this nave will harmonize equally well with a central tower or with transeptal towers.

"Regarding the west front we are of the opinion that the towers should be moved further north and south so that the front on Amsterdam avenue should in general mass approximate more nearly that of Bourges than that of Notre Dame, Paris.

"It is understood, of course, that the details of ornament, the carving, etc., are tentative only, as they appear in the model. This refers to tracery, panelling, balustrades, parapets, capitals, niches and pinnacles.

"For materials we believe the interior

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



should continue the color effect already in use in the choir, with the introduction of yellow Mohegan granite for the columns. The main walls of the exterior should be of Mohegan granite, while the cut work could well be of the Kingwood stone used with good results for the exterior of the Potter chapel."

* * *

The model of the nave is built of Bristol board in solid masses, fixed together under pressure. The carved work is of papier mache. The windows are faithful reproductions of old glass and are made of celluloid.

Work on the construction of this nave is to start at once and will require five years to finish. About \$200,000 will be expended each year. The present seats used at public worship occupy the space formed by the crossing of nave and transepts. The nave now to be built extends from the present west temporary doors westward well toward Amsterdam avenue. Much of the stone now seen is eventually to be covered and is not that which will determine the exterior appearance of the great building.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

Some big guns are smooth bores.—Ex.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Thomas Miltemberg (O), State road and Cottman street. Joseph J. Gereke (C), 7101 Tulip street. Cost, \$2,800. Two dwellings, brick, 16x29 feet, Edmund and Cottman streets.

Samuel H. P. Reed (O), 4705 York road. Cost, \$3,000. Dwelling, stone, 16x38 feet, Park avenue and Medary street.

Sisters of the Blessed Sacrament (O), Cornwell, Ma. Murphy & Co. (C), 263 South Tenth street. Cost, \$20,000. School and convent, brick, 32x26 feet, 21x23 feet, Queen street and Morris street.

Mrs. Lucindia Edwing (O), Eighty-seventh and Eastwick avenue. BoRobert R. Heath (C), Eighty-seventh and Bartram avenue. Cost, \$3,000. Two dwellings, brick, 2 stories, 16x38 feet, Eighty-seventh and Eastwick avenue.

Edwin Stott (O), 5430 Water street. Cost, \$3,500. Store and dwelling, Tennis avenue and Tabor street.

John Tucker (O), 312 Christian street. Cost, \$20,400. Twelve dwellings, brick, 2 stories, 14x24 feet, Memphis and Cambria streets.

Wharton Memorial Church (O), Fifty-fourth and Catherine streets. Cost, \$30,000. Sunday School, stone and concrete, 67x78 feet, Fifty-fourth and Catherine streets.

Edwin Schoettle Manufacturing Co. (O), 237 North Sixth street. Turner Concrete Steel Co. (C), 1713 Sansom street. Cost, \$150,000. Manufacturing building, brick and concrete, 82x80 feet, Eleventh and Brandywine streets.

Daniel Crawford (O), 701 North Sixty-third street. James C. Ewald (C), 5533 Wyalusing avenue. Cost, \$68,500. Twenty-seven dwellings, stone and brick, 16x50 feet and 15x34 feet, Twelfth and Courtland streets.

Silver & Conner (O), Tioga and H streets. Joseph L. Silver (C), 1912 East Orleans

street. Cost, \$150,700. Sixty-eight dwellings, brick, 2 stories, 14x29 feet and 16x56 feet, Tioga and H streets.

Dr. George Woodward (O), North American Building. Pringle Borthwick (C), 8018 Germantown avenue. Cost, \$25,000. Three dwellings, stone, 3 stories, 30x70 feet, Willow Grove and Lincoln Drive.

Louis Shepen (O), Seventy-eighth and Bartram avenue. Cost, \$22,200. Eleven dwellings, brick, 2 stories, 14x40 feet, Fifth and Frank streets.

Abner H. Mershon (O), Land Title Building. Fidelity Construction Co. (C), 1215 Filbert street. Cost, \$25,000. Manufacturing building, brick and terra cotta, 25x123 feet, 913 Arch street.

S. N. Bailey Mercer (O), 1855 North Sixteenth street. Morris Fishman (C), 713 North Eighth street. Cost, \$6,000. Office building, brick, 18x26 feet, 707 North Fifteenth street.

Kensington Realty Co. (O), 3044 North Twenty-third street. Cost, \$35,400. Sixteen dwellings, brick, 2 stories, 14x25 feet, Jasper and Sedgley avenue.

Muhlenberg Evangelical Lutheran Church (O), York road and Ruscomb street. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$22,000. Sunday School building, brick and stone, 88x52 feet, Thirteenth and Ruscomb streets.

Mr. and Mrs. John Flad (O), Oakley and Fanshawe streets. Michael Stevens (C), 910 Fanshawe street. Cost, \$7,400. Four dwellings, stone and brick, Oakley and Knox streets.

M. Barnot (O), 646 South street. J. Gerchew (C), 4116 Girard avenue. Cost, \$5,500. Dwelling, brick and stone, 17x36 feet, 646 South street.

Alterations and Additions

Estate H. H. Huston (O), Real Estate Trust Building. Cost, \$600. Residence, Township Line Road.

John Young (O), Levick and Bingham sts. Michael Stevens (C), 910 Fanshawe street. Cost, \$2,100. Dwelling, Levick and Bingham streets.

Otto Benkman (O), 237 South Eighth street. Cost, \$750. Dwelling, 243 South Eighth street. Yarrow & Van Pelt (O), Seventh and Chestnut streets. Henry Lutz & Co. (C), 210 North Sixteenth street. Cost, \$2,200. Bachelor's apartment, 1330-32 Pine street.

Solomon Trachtman (O), 3934 Pennsgrove street. A. Thompson (C), 526 Catherine street. Cost, \$600. Store and dwelling, 758 South Fourth street.

Gucker Bros. (O), Chestnut Hill, Pa. James D. O'Neill (C), Ogontz, Pa. Cost, \$1,500. Stable, Prospect and New streets.

Louis Caggeone (O), Twelfth and Moore streets. Cost, \$1,900. Dwellings, 1324-26 McClellan street. Vellecco Mangern & Co. (C), Twelfth and Moore streets.

John Harley (O), 2664 Coral street. Bushnell Bros. (C), 2146 East Norris street. Cost, \$1,950. Store and dwelling, 2666 North Coral street.

Estate of George B. Wilson (O), Pennsylvania Building. Henry C. Dahl (O), 231 South Eighth street. Cost, \$10,000. Fire damages, 1012 Chestnut street.

Martin Maloney (O), 5900 Spruce street. Cost, \$850. Garage, Fifty-ninth and Overbrook avenue.

P. McGarrigle (O), 5338 Germantown avenue. R. W. Peterson & Son (C), 5250 Wakefield street. Cost, \$600. Residence, 5338 Germantown avenue.

Patrick McShea (O), Nineteenth and Parrish streets. P. A. Havens Co. (C), 845 North Nineteenth street. Cost, \$2,500. Store and dwelling, Nineteenth and Parrish streets.

James J. Garrett (O), 202 North Twenty-second street. Cost, \$1,200. Stable and dwelling, 2328 Vine street.

Petterman Estate (O), 524 Walnut street. Basche (O), 1436 South Front street. Cost, \$1,800. Store, 254-58 North Eighth street.

Celia Hornfield (O), 917 North Eighth street. M. Kane (C), 871 North Sixth street. Cost, \$500. Dwellings, 535-41 North Orianna street.

Constantine Hass (O), 47 North Seventeenth street. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$500. Dwelling, 47-49 North Seventeenth street.

John McCann (O), 56 West Rittenhouse street. Cost, \$1,000. Storage building, 56 West Rittenhouse street.

Mrs. Adam D. Barre (O), 2030 Mt. Vernon street. Rush J. Whiteside (C), 2115 Wallace street. Cost, \$1,600. Dwelling, 2030 Mt. Vernon street.

H. Mecklar (O), 2815 Lehigh avenue. H. I. Campbell (C), Twenty-ninth and Stiles streets. Cost, \$500. Store and dwelling, 2815 Lehigh avenue.

City of Philadelphia (O), City Hall. Walters, Parks & Mellon (C), 4419 Ludlow street. Cost, \$1,776. School house, Thirty-fifth and Haverford avenue. Cost, \$2,657. School. Sixty-third and Greenwood avenue.

Jacob Pinheiro (O), 1007 Race street. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$4,025. Store and workshop, 242 South Fifth street.

Mike Regelski (O), 826 South Front street. Joseph Janisek (C), 2654 East Indiana avenue. Cost, \$700. Store and dwelling, 826 South Front street.

John Maneely (O), 309 Arch street. M. Ward Kasby (C), 1420 Chestnut street. Cost, \$1,900. Warehouse, D street and Luzerne street.

A. J. Stewart (O), Thirty-sixth and Spring Garden streets. E. F. Stratton (C), 3621 Hamilton street. Cost, \$600. Dwelling, Thirty-sixth and Spring Garden streets.

M. Resney (O), 1424 Blavies street. D. W. O'Dea (C), 5219 North Fifth street. Cost, \$530. Dwelling, 1424 Blavies street.

Pennsylvania Company of Insuring Lives and Granting Annuities (O), 517 Chestnut street. Brownworth & Co. (C), 1611 Sansom street. Cost, \$550. Apartment, 1807 Pine street.

M. Boxman (O), Thirtieth and Wharton streets. Max Cottler (C), 1131 Ogden street. Cost, \$1,500. Dwellings (2), 2805-07 Wharton street.

Dr. Charles Schneider (O), 1932 North Seventh street. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$1,500. Garage, 1931 North Franklin street.

W. M. Stehr (O), 2515 Germantown avenue. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$1,400. Shop, 2316 Adams street.

Jacob Glazer (O), 2635 South Marshall street. Cost, \$600. Dwelling, 634 Moyamensing avenue.

Brehm & Stahle (O), Trenton and Allegheny avenues. Charles W. Denny (C), 1326 Chestnut street. Cost, \$1,800. Dry house, Trenton and Allegheny avenue. Cost, \$7,200. Storage, Allegheny avenue and Wilt street.

SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proportion in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scripper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

A retailer may fool himself by failing to charge all of his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—E.x.

CONCRETE BUILDINGS IN MEXICO

Conditions the Contractor Will Encounter in Entering the Reinforced Concrete Building Field in Mexico

From the contractor's point of view, reinforced concrete building in the Republic of Mexico is in its infancy, for it is only within the past five years that concrete building has made any great strides as compared with other classes of building in the country. The few concrete buildings that have already been erected have been less expensive than any other class of structure. From every point of view the results to the owners have been not merely satisfactory, but gratifying. There are only four or five contractors in the entire republic engaged in this particular line of work, hence the field is practically untouched.

Conditions Likely to be Encountered.

It seems especially worth while to consider the conditions the contractor will encounter in entering the field.

The adobe building predominates in the greater portion of the country. This type of construction consists of blocks of ordinary clay, which after being mixed with a little straw are baked in the sun until they become sufficiently hard to be handled. Since these blocks are made in moulds 3 x 10 x 14 in. they give a minimum wall thickness of 10 in.; but in many cases two and three blocks are used, so that 2 and 3-ft. walls are common. The mortar used to set these blocks is made from the same clay, and the building is finished off with ordinary lime plaster, some of which is smooth, some rough cast and decorated with gay colors.

Materials Most Used.

Besides adobe, brick, stone and structural steel are used extensively. The brick is of rather poor quality, and does not come up to the poorest common brick made in the United States. Sand lime brick is used to some extent in the northern part of the republic. Faced brick is neither made nor used in the country. Stone is used mostly for the foundation and occasionally for the superstructure, but its use varies in different parts of the country. Structural steel is used only in the larger buildings, such as factories, warehouses, and the like. The steel is rather expensive, since there is only one foundry in the country. The majority of the heavy structural steel is imported from Belgium, and the rest from the United States. Regardless of the material used, the style is practically the same for all buildings. Especially is this true of residences, which are usually one story in height.

Ten years ago the greatest portion of the cement used was imported, and most of this came from Germany. Since then two cement factories have been built, one in the northern part of the republic and one in the southern part. These two factories now supply about 90 per cent. of the cement used. This product, says J. F. Abbey in the "Wisconsin Engineer," is equal to our best brands and passes the tests of both the American and European Societies for Testing Materials. The price of cement at the present time is \$4 per barrel. It is put up in cloth or jute sacks weighing 95 lb. and 50 kg. respectively. One company sells its product by the barrel and the other by the metric ton.

Steel for Reinforcement.

The steel used for reinforcement is made in the republic. The types of bars made are: the Johnson corrugated, the square twisted and the plain round. The price averages about \$75 per metric ton.

For lumber in the form work, both the native product and that imported from the southern part of the United States are used. While the native lumber is cheaper, the southern yellow and white pines are far superior in both quality and strength. Imported lumber costs from \$30 to \$40 per 1,000 board feet, while the native is about \$5 cheaper.

Both gravel and crushed stone are used in the concrete work. The quality of both is good. Due to the lack of quarries and crushers, gravel is more extensively used than stone. This is the river gravel, well screened and well graded. Its price averages about \$1 per cubic meter, while the stone is usually delivered in carload lots, selling at from \$2 to \$3 per metric ton. Good coarse sand is scarce in the country. All that is available is rather fine, but free from loam or foreign vegetable matter. On some parts of the coast a good clean coarse sea sand is abundant. One may expect to pay about 75 cents per cubic meter for his sand.

All Machinery Is Imported.

All machinery and other plant equipment for building purposes has to be imported, since none is manufactured in Mexico. The majority of this material, especially of the higher grade, comes from the United States; and since the duty is usually high, one can count on it costing 20 per cent. more than in the States. Aside from the materials actually used in the concrete work, the other materials required for the

completion of a first-class building are also generally imported. This applies to plumbing and electrical fixtures, ornamental plaster, metal lath, glass, finished hardware, elevators, mosaic tile flooring and paints. The greater part of this material, also, comes from the United States.

Contrary to the general impression, labor is the least of the contractor's worries. This is entirely due to the absence of organized labor unions in the republic. There is little difference between skilled and the unskilled labor. While the common laborer receives 75 cents for ten hours' work, he is the equal of any laborer in the United States who receives three to four times as much. The carpenters and masons get \$1.50 for ten hours' work; and while they are not equal to our skilled workmen, they are certainly willing and conscientious and very anxious to learn. Both skilled and unskilled laborers use the old methods taught by and inherited from the Spaniards and the Indians. The laborer is often seen carrying heavy loads on his head; the carpenter saws his board away from him; and the plasterer uses a small hawk, holding but a few handfuls, and throws his plaster carelessly on the wall. The Mexicans seem to accomplish more by piece work, and hence, with a few exceptions like "form" work, which is comparatively new to them, the most of the work is done in this way.

First Reinforced Concrete Building Erected.

The writer was in charge of a four-story reinforced concrete bank building in Torreon, a northern town of 40,000 inhabitants. It was the first structure of the type erected in the town, and some little difficulty was experienced in securing skilled labor. The carpenters had never done any "form" work and so required close watching to prevent their filling the boards with nails. The laborers were willing and good workers, and, owing to the scarcity of rubber boots, were often seen wading barefooted in the soft concrete. It was rather amusing at first to watch the laborers handling the concrete, which was all spouted by gravity.

The building in question was a skeleton of the beam and girder type, with reinforced concrete floors and roof. The facades were of cut ornamental stone, backed with common brick. All the work was done by Mexicans, with the exception of the plastering, which was done by Americans especially imported for this work. The work of the natives on stone cutting was remarkable.

One of the Difficulties Is Prejudice.

One difficulty the contractors face is the prejudice of the Mexican people against reinforced concrete. This has been largely due to the faulty work that has been done there in the past and is now rapidly disappearing. The fact that the concrete floors are so thin as compared with old unneces-

sarily thick form of construction reduces any confidence that the people might otherwise have. In their floor construction they still adhere to the old Spanish system of "bovedas." This construction consists of I-beams spaced 1 meter between centers and arched with two and sometimes three thicknesses of common brick, upon which more brick or plain concrete of unnecessarily great thickness is laid. The completed floor ranges from 15 in. to 2 ft. in thickness from the bottom flange of the I-beam to the top. The arched portion between the I-beams is then plastered and painted, and the bottom flanges of the beams are thus left exposed. This construction not only is expensive and extremely crude, but it also shows lack of economical design and artistic taste.

Since cost of materials for reinforced concrete construction is higher, while that of labor is lower than here, the total cost of such work in Mexico compares very favorably with that of similar work in this country. It is, however, usually safe to count on double the time to complete the same job in the Republic that would be needed in the States.

The customary process of drawing up contracts and specifications is adhered to. Revenue stamps are placed on each sheet of paper according to the amount of the contract. After these are canceled by the contractor, and the whole document signed by both parties and witnessed, the papers are in legal form.

The owners, as a rule, are very lenient with the contractors, and often reward them with bonuses for good work done. They appreciate honest work, and one can always rely on their influence for future work or references. A square deal in contracting in Mexico is what wins the confidence of the Mexicans first of all, and thus assures the contractor success in his business.

TRADE NEWS AND GOSSIP.

**The Builders' Exchange of Altoona, Pa., was formed, when a large number of men engaged in various lines of the building trades met in the directors' room of the Chamber of Commerce. W. W. Stokes was elected president; G. A. Zimmer, vice-president; P. S. Cassiday, treasurer, and S. G. Griffith, secretary. The Executive Committee consists of S. T. Kleffman, J. A. Elder, F. Brandt, J. C. McKerihan, W. J. Degenhart, J. C. Ivory, A. E. Allen, H. W. McCartney and O. L. McCartney. The new exchange intends to co-operate in matters of common interest, influence building legislation and seek the enforcement of the present city code which is said to be the best in the country.

**The annual meeting of the stockholders of the Joseph Dixon Crucible Company was held at the company's office in Jersey City. There were present a large attendance of stockholders who expressed their

satisfaction with the present management and re-elected the former Board of Directors for the ensuing year. The vote recorded was the largest ever represented at an annual election—19,519 shares out of a possible 20,000. The following-named gentlemen are the Directors elected: George T. Smith, Robert E. Jennings, George E. Long, E. L. Young, William G. Bumsted, J. H. Schermerhorn and Harry Daily. The officers elected by the Board of Directors are: President, George T. Smith; vice-president, George E. Long; treasurer, J. H. Schermerhorn; secretary, Harry Daily; assistant secretary and assistant treasurer, Albert Norris.

For every "one" man you can mention who has succeeded without advertising we'll agree to name ten whose greater success has been due to advertising. "direct." Moral Advertiser!

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER.

The advantages of a thoroughly good and reliable black print paper are many. The elimination of negatives and the double bath, with the consequent saving of time, alone obliges you to give this new article a thorough trial.

"Sphinx" Direct Process Black Line Paper is the only printing paper of its kind made in America. It should not be confused with the black line papers heretofore offered. The "Sphinx" is prepared after an entirely different formula. It will give, if handled according to directions, positively black lines, on a pure white background. The exposure, whether to the sun or under the arc, is quick. Not so quick as the fastest blue print papers, but about the speed of ordinary brown print paper.

This alone is a great advantage, since the foreign brands all require exposures ranging from 20 minutes to an hour, dependant upon conditions.

The stock (paper) is the best and strongest procurable. It will withstand a great deal of handling, and for filing or recording purposes should last indefinitely.

For the time being, "Sphinx" Direct Process Black Line Paper is made in three weights only—thin, medium and extra heavy. The thin is light and strong enough to be used as a tracing (on which corrections could be made with India ink) and from which blue prints can be made.

The prices of Sphinx paper are right, the object being to have black line paper eventually displace brown print negatives and blue line prints.

From an ordinary tracing "Sphinx" Direct Process Black Line Paper will give a black line print, or positive. A positive from a positive.

Anyone interested may obtain a trial sample by addressing the manufacturers, F. Weber & Co., 1125 Chestnut street, Philadelphia, Pa.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Auloph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Contractors' Equipment.

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Dampproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York,
and Land Title Bldg., Phila.

Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Abram Cox Stove Co.,

American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,

American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori. g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York,
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Star Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineering.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

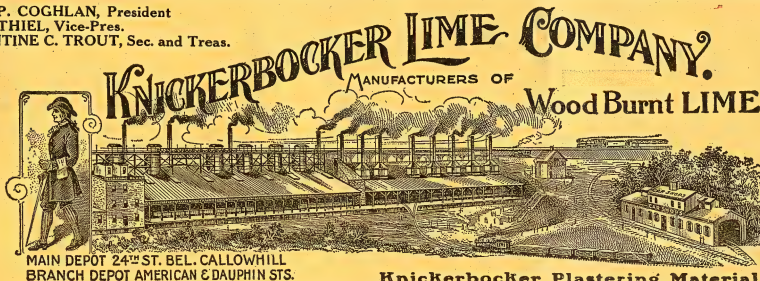
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Quality, Exquisite Designs, and a Guarantee of Satisfaction are assured when we Design, Manufacture and Install Fixtures to Properly Diffuse Light.

Drawings, Specifications, Figures and Recommendations gladly Furnished Free upon receipt of Data and Dimensions of Rooms to be Lighted.

LOGUE-STRONGE MFG. COMPANY

221 North Sixteenth Street, Philadelphia, Pa.

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."
Let us prove that one pound of Impervite is better than two pounds of Soap Compound.



We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 26.

PHILADELPHIA, WEDNESDAY, JUNE 30, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

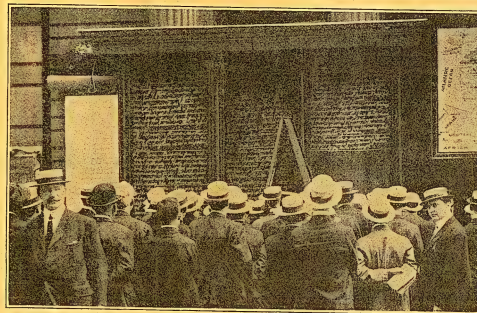
5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

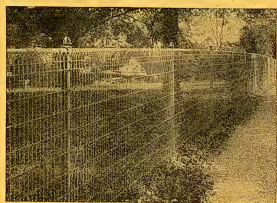
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work. The Original and Real Article. The only board, a repeater. Sample will convince you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



PHILADELPHIA FIRE RETARDANT CO.

1614 CHERRY STREET

PHILADELPHIA, PA.

Rolled Steel Sash and Doors, Steel Stairs, Saino Fire Doors and Shutters, Steel Rolling Doors, Kalamein Doors, Metal Windows

WATERPROOFING

A Complete Line of

Integral and Membrane Waterproofings, Dampproofings Floor Hardeners and Technical Paints

MAY WE SOLVE YOUR PROBLEM?

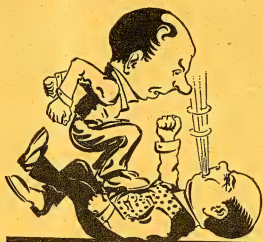
Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING MATERIALS



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified, advance building news concerning work in Philadelphia, Eastern Pennsylvania, Southern New Jersey and Delaware.

Let our representatives show you the merits and utility of this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra Cotta

Face Brick Hollow Tile Paving Brick Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN
CONTRACTOR

In Pointing and Renovating Stone, Brick and Terra-Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building work

1609 Ransstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Do Not Forget

when in the market for

WIRE PRODUCTS

THAT WE MAKE EVERYTHING IN WIRE:

Wire Cloth all grades,
Wire Window Guards,
Wire Partitions and Enclosures,
Wire Lath for Plastering Purposes,
Radiator Guards,
Gravel, Sand and Coal Screens,
Sieves and Riddles,
Special Forms.

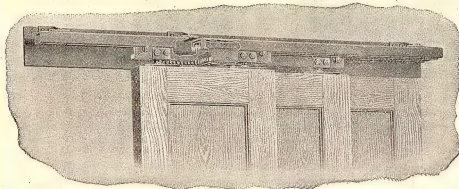
Strawbridge & Chase Co., Inc.

AUDUBON, N. J.

ROBERT T. KORB, Pres.
HENRY H. COLLINS, Vice-Pres. } At Your
WM. H. EGEE, Sec. & Treas. } Service

Keystone, Main 3597. Bell, Haddon Heights 573.

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

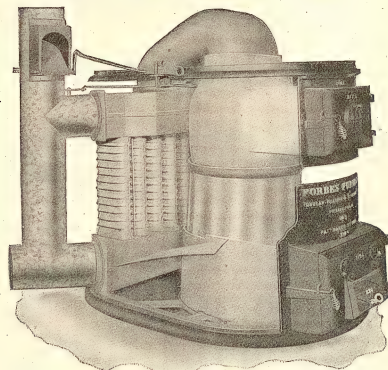
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous. The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1511 Sansom Street, Philadelphia

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
 Patented February 17th, 1914

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

USE SCAMMELL Lath for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal Furring and Lathing

Land Title Bldg., Phila., Pa.

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER

WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers
 Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA
 Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON
 WORK
 CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
 1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 26.

PHILADELPHIA, WEDNESDAY, JUNE 30, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Convent (add.), City line, Chestnut Hill, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Sisters of St. Joseph, on premises. Stone and enameled bricks, 1 story, 30x30 feet, consists of kitchen wing, tin roof, steam heating, electric lighting, composition flooring, metal lath, dampproofing, steel sash, cold storage plant. Final plans in progress. Architect will be ready for bids in ten days.

Gardener's Cottage (alt. and add.), Chestnut Hill, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mount St. Joseph's Convent, on premises. Stone and brick, 2½ stories, 10x20 feet, slate and tin roof, steam heating, electric lighting, metal lath, dampproofing. Final plans in progress. Architect will be ready for bids in ten days.

Factory Building, Kensington avenue and Frankford creek, Philadelphia. Architects, Peuckert and Wunder, 310 Chestnut street, Owner, Julius A. Gebauer, 1412 Unity street, Frankford. Reinforced concrete, 2 stories, 64x130 feet, slag roof, steam heating, electric lighting, steel sash. Architects taking bids due June 30th. The following are figuring: Philip Hailbach Contracting Co., Thirty-sixth and Thompson streets; Stacy Reeves & Sons, 2011 Market street; Turner Concrete Steel Co., 1713 Sansom street; H. C. Rea Co., 1027 Wood street; Barclay White & Co., Ferry Building; Charles Gilpin, Harrison Building, John N. Gill Co., Heed Building, all of Philadelphia.

Store and Residence, 1410 and 12 Susquehanna avenue, Philadelphia. Architect, Walter Thomas Mayo, 1701 Chestnut street, Philadelphia. Owner, A. E. Biester, 1410 Susquehanna avenue, Philadelphia. Brick, 2 stories, 38x85 feet, slag roof, (plumbing, heating and electric work separate bids). Architect has received revised bids.

Theatre (alt. and add.), Eary and Point Breeze avenue, Philadelphia. Architect, Chas. E. Oelschlaeger, Harrison Building, Philadelphia. Owner, Jack Reswick, 1613 South Twenty-fourth street, Philadelphia. Brick, 1 story, slag roof, electric lighting. Owner taking sub-bids.

Rectory, Sixty-fifth and Callowhill streets, Philadelphia. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owner, St. Donato's R. C. Church, Rev. Petro Michetti, on premises. Stone and terra cotta, 2 stories, slate and slag roof, steam heating, electric lighting, tile work. Architects have received bids.

Residence (alts.), Evergreen and Stenton avenues, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, Episcopal City Mission, care Rev. H. L. Duhring, No. 225 South Third street, Philadelphia. Stone, 3 stories, consists of remodeling residence for hospital and connecting corridors, slate roof, composition floors, (heating, plumbing and electric work reserved). Architects have received bids.

Residences (66), Limekiln pike, Philadelphia. Architect, private plans. Owner, Wm. J. McConnell, 131 South Fifty-second street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood floors, tile bathrooms, hot water heating. Owner will take sub-bids in about two weeks.

Residence, Fifty-sixth and Overbrook avenue, Wynnefield, Philadelphia. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Gerhard Estate, 1035 Commercial Trust Building, Philadelphia. Hollow tile and plaster, 2½ stories, 20x43 feet, wing 9x15 feet, shingle roof, electric lighting, vapor heating, oak floors. Revised plans in progress.

Department Store (alts.), Tenth and Market streets, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, Berg Bros., on premises. Consists of remodeling entrances, bulk windows and interior alterations. Architects have received bids.

Garage and Machine Shop, Fairhill, north of Somerset street, Philadelphia. Architect, E. A. Duff, 1830 East Schiller street, Philadelphia. (Owners, Lusse Bros., 2807 North Fairhill street, Philadelphia. Brick, 2 stories, 36x136 feet, slag roof, (heating, electric work, elevator, gasoline storage system reserved). Owners taking bids due June 30th. The fol-

lowing are figuring: Stacyd Reeves & Sons, 2011 Market street; Harry Gill, Jr., 2515 Germantown avenue, Frank M. Faulkner, 2331 East Allegheny avenue.

School Building, Sixty-fifth avenue and Limekiln pike. \$350,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia, Philadelphia. Brick, terra cotta and steel, fireproof, 3 stories, composition roof, tile work, metal doors, metal lath, concrete fireproofing, (plumbing and electric work separate bids). Owners taking bids, due July 9th.

School Building, Sanger street and Second street pike. \$90,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia. Brick, terra cotta and steel, fireproof, 3 stories, composition roof, electric lighting, steam heating, tile work, electric lighting, metal lath, concrete fireproofing. Owners taking bids, due July 9th.

Coal Yard, Upsal Station, Philadelphia. Engineers, Specialty Engineering Co., Trenton and Allegheny avenue. Owner, Isaac Nicholson, Greene above Upsal street, Philadelphia. Consists of concrete and steel trestle, 97 feet long, and shed, slag roof, reinforcing bars. Owner has revised bids.

Twin Residence, Oak Lane, Philadelphia. Architect, A. M. Adams, 1012 Walnut street, Philadelphia. Owner, C. E. Lloyd, Eighth and Sixty-sixth avenue, Oak Lane. Stone and rough cast, 2½ stories, 30x60 feet, slate roof, hot water heating, hardwood floors, electric lighting, tile work. Plans in progress. Owner will take sub-bids.

Residence and Store (alt. and add.), Duval and McCallum streets, Philadelphia. Architects, Gay King & Co., 1513 Walnut street, Philadelphia. Owner, John Gross, on premises. Brick, 3 stories, slag roof, steam heating, electric lighting. Plans about completed. Architects will take bids in a few days.

Residence (alts.), Chestnut Hill, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Cliff-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic

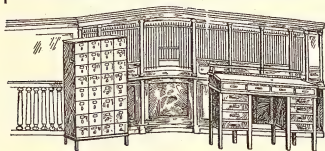
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK

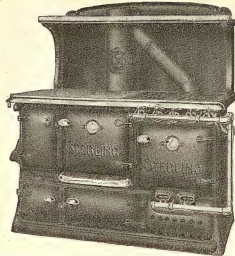


Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.

450-52 N. 12th Street
Philadelphia, Pa.



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

ford Pemberton, Jr., 3909 Locust street, Philadelphia. Stone and frame, 2½ stories, consists of interior alterations. Plans about completed. Architects will take bids in a few days.

Cottage and Barn, Paper Mill road, Chestnut Hill, Philadelphia. Architects, Brockie & Hastings, 328 Chestnut street. Owner, Charles N. Welsh, on premises. Stone, 2 stories, 27x67 feet and 27x35 feet, shingle roof, electric lighting. Architects have received approximate bids.

School Building (add.), Sixth and Hunting Park avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia. Brick, 3 stories, slag roof (heating, plumbing and electric work separate bids). Owners taking bids, due July 9th, at 1.30 P. M.

School Building, Sanger and Second street pike, Philadelphia, \$90,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia. Brick, terra cotta and steel, fireproof, 3 stories, composition roof (heating, plumbing and electric work separate bids). Owners taking bids due July 9th, at 1.30 P. M.

School Building, Sixty-fifth avenue and Limekiln Pike, \$350,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia. Brick, terra cotta and steel, fireproof, 3 stories, composition roof, tile work, metal doors, metal lath, concrete fireproofing (plumbing, heating and electric work separate bids). Owners taking bids, due July 9th, at 1.30 P. M.

Bridges (3), Fifth street, Third street and Fisher avenue, Philadelphia. Engineer, Geo. S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Concrete. Owners taking bids, due July 8th, at noon.

Saloon and Residence (alt. and add.), Fifth and Lehigh avenue, Philadelphia. Architect, private plans. Owner, Frank J. Dulin, on premises. Brick, 3 stories, tin roof, canvas oor (plumbing and heating reserved). Owner has received bids.

Residence, Chestnut Hill, Philadelphia. Architect, W. T. Godfrey, 8315 Norwood avenue, Philadelphia. Owner, Louis A. Schwarz, Erdenheim Terrace, Chestnut Hill. Stone, 2½

stories, 36x33 feet, slate roof, oak oors, electric lighting (hot water heating reserved). Architect taking bids, due July 1st. The following are figuring: Specht & Sperry, Heed Building; Pringle Borthwick, 8013 Germantown avenue; George S. Roth & Sons, 230 East Gravers lane; David McCork, Florrtown, Pa.

Church and Rectory, Twenty-ninth and Fletcher streets, Philadelphia. Architects, Street & Stackhouse, Drexel Building, Philadelphia. Owners, Reformed Episcopal Church of the Intercession, Rev. George Worrell, 2828 North Twenty-sixth street, Philadelphia. Stone, 1 story, 44x70 feet; stone, 2½ stories, 16x56 feet, slate roof, steam heating, electric lighting, tile work. Plans in progress. Architects will take bids in about two weeks.

Dwellings (192), Allegheny avenue and Westmoreland street, \$400,000, Philadelphia. Architect, private plans. Owner, Edward T. Flood, Broad and Venango streets, Philadelphia. Brick, 2 stories, 17x55 feet, 16x55 feet, 15x42 feet, 15x34 feet, slag roofs, electric and gas lighting, hot air and hot water heating, parquet floors, tile work. Plans in progress. Owner will be ready for sub-bids after July 10th.

Residences (25), west side of Redfield, north of Haddington street. Architect, private plans. Owner, William D. Wilson, 127 South Fifty-first street, Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, hot water heating, electric lighting, hardwood floors. Work about to be started.

Residences (25), east side of Redfield, north of Haddington street. Architect, private plans. Owner, William D. Wilson, 127 South Fifty-first street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heating, electric lighting, hardwood floors. Plans in progress. Owner will take sub-bids in one month.

Residences (30), Upland road and Greenway avenue. Architect, private plans. Owners, Bourne & Collins, 5441 Haverford avenue, Philadelphia. Brick, 2 stories, 15x43 feet, slag roof, hot air heating, combination lighting. Plans in progress. Owners will take sub-bids in one week.

Residences (33), Thomas avenue and Fifty-fifth street, Philadelphia. Architect, private plans. Owner, John B. Hudson, 432 Walnut street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heating, combination lighting. Work about to be started.

Residences (84), Indiana avenue and Twen-

UNITAS TILING

A non metallic substitute for tile and wood

Manufactured by the
Embossed Wall Covering Co.

Office and Show Room

880 N. 48th Street
Philadelphia, Pa.

UNITAS Composition Flooring

is Seamless, Fireproof, Durable, Elastic, Sanitary Easy to the Foot, Inexpensive, Quickly Installed. Can be used over old or new floors and stairs, wood, concrete or any good foundation.

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

ty-fourth street. Architect, private plans. Owner, Earl H. Davis, 1630 Wingohocking street, Philadelphia. Brick, 2 stories, 16x35 feet, hot water heating, slag roof, hardwood floors. Plans in progress. Owner will take sub-bids in two weeks.

Residences (32), Torresdale and Margaret streets, Philadelphia. Architect, private plans. Owner, Charles B. Maguire, Fidelity Building, Philadelphia. Brick, 2 stories, 16x35 feet, slag roof, hot water heating or steam, hardwood floors, electric lighting. Plans in progress. Owner will take sub-bids in one week.

Residences (42), Sixty-second and Catherine streets, Philadelphia. Architect, private plans. Owner, Clarence R. Siegel, 5050 Larchwood avenue, Philadelphia. Brick, 2½ stories, tile, slag an dtin roof, hot water heating, hardwood floors, tile bath rooms, combination lighting. Plans in progress. Owner will take sub-bids in a few days.

Immigration Station, foot of Washington avenue, Philadelphia, \$70,000. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 1 story, consists of immigration station and 9 small buildings, known as Contract No. 6, slag roofs, steam heating, electric lighting. Plans incomplete. Owners will advertise for bids as soon as plans have been approved by City.

Grain Elevator (add.), Girard Point, Philadelphia, \$600,000. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete and steel, slag roof, electric lighting. Plans in progress for superstructure.

School Building (add.), Sixth and Hunting Park avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia. Brick, 3 stories, slag roof (heating, plumbing and electric work reserved). Owners taking bids, due July 9th, at 1:30 P. M. A. Bottoms & Sons Co., 41 South Fifteenth street; Henry L. Brown, 1714 Sansom street; Ketcham & McQuade, 1029 Brown street; H. H. Wehmeyer, 1004 West Lehigh avenue; H. E. Baton, Twelfth and Sansom streets; Mitchell Bros., 2125 Race street; W. W. Anstine & Co., 1218 Filbert street, Philadelphia, are figuring.

Residence, West Johnson street, Germantown, Philadelphia. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Mrs. Mary Savery, 419 West Johnson street, Germantown. Stone, 2½ stories, 42x25 feet; wing, 14x17 feet, slate roof, warm air heating, oak floors, electric lighting, tile work. Architects taking bids, due July 2nd. The following are figuring:

Samuel Harting, 20 East Johnson street; William C. Wright, 22 Harvey street; William J. Cowell, 942 East Chelton avenue; T. A. Dunkelberger, 71 East Herman street; Moore & Graham, 6224 Wissahickon avenue; Charles Johnson, 5701 Boyer street, Philadelphia.

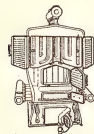
School Building, Sanger street and Second street pike, \$90,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia. Brick, terra cotta, concrete and steel, fireproof, 3 stories, slag roof, glazed bricks, safety treads, metal doors, reinforcing bars, waterproofing, metal lath, metal weather strips (plumbing, heating and electric work separate bids). Owners taking bids, due July 9th, at 1:30 P. M. The following are figuring: A. Bottoms & Sons Co., 41 South Fifteenth street; Henry L. Brown, 1714 Sansom street; Ketcham & McQuade, 1029 Brown street; Thomas Reilly, 1616 Thompson street; H. H. Wehmeyer, 1004 West Lehigh avenue; H. E. Baton, Twelfth and Sansom streets; Mitchell Bros., 2125 Race street; Cramp & Co., Denckla Building; W. W. Anstine & Co., 1218 Filbert street, Philadelphia.

School Building, Sixty-fifth avenue and Limekiln pike, \$350,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia. Brick, terra cotta, steel and concrete, fireproof, 3 stories, slag roof, metal doors, safety treads, reinforcing bars, metal lath, waterproofing, glazed bricks, metal weather strips (plumbing and heating and electric work separate bids). Owners taking bids, due July 9th, at 1:30 P. M. The following are figuring: Abel Bottoms & Sons Co., 41 South Fifteenth street; Henry L. Brown, 1714 Sansom street; Ketcham & McQuade, 1029 Brown street; Thomas Reilly, 1616 Thompson street; H. H. Wehmeyer, 1004 Lehigh avenue; H. E. Baton, Twelfth and Sansom streets; Mitchell Bros., 2125 Race street; Cramp & Co., Denckla Building; Anstine & Co., 1218 Filbert street, Philadelphia.

Freight Station, Front and Reed streets, Philadelphia. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 1 and 2 stories, slag roof, steam heating, electric lighting. Plans in progress.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are thorough with it, and don't forget that one "good job" is a better advertisement than many poor ones.—Exchange.

—MILLS—



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.

1225 Arch Street
PHILADELPHIA - PA.

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

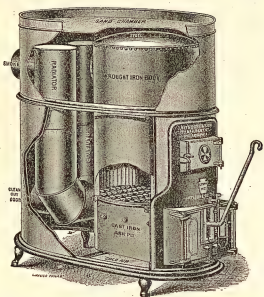
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces
Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Our entire staff of experts is at your service to co-operate in the planning of gas installations for any operation work.

Whether your requirements involve installation of All-Gas Kitchens or the piping of houses for illumination, we are ready to serve you.

Call up our "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

Factory and Warehouse, (alt. and add.), 110 Tasker street, \$4,500. Architect, private plans. Owners, Atmore & Sons, on premises. Brick, 2 stories, slag roof. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Residences (8), Lena street, north of Wistar street, Germantown, \$14,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Jos. F. Bege, 85 Wistar street, Germantown. Brick, 2 stories, 16x45 feet, slag roof, electric lighting, steam heating. Contract awarded to Jos. Thurman & Co., 92 Collom street, Germantown.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 2d, 3122 West Penn street, Philadelphia. Owner, Ed. J. Stoesser, 133 West Girard avenue, Philadelphia. Brick and plaster, 2½ stories, 25x40 feet, slate roof, electric lighting, hot water heating, tile work, oak floors. Contract awarded to Keller Bros., Harmon road above Ridge avenue, Roxborough, Philadelphia.

Recreation Building, Price and McMahon streets, Philadelphia, \$86,641. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, City Hall, Philadelphia. Consists of Recreation Building, brick and terra cotta, 2½ stories, 77x140 feet; swimming pool and dressing rooms, 51x177 feet, slate and slag roof, damp-proofing, metal lath, enameled bricks, iron stairs, metal lockers, composition floors, (heating, plumbing and electric work separate bids). Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

Store (alt. and add.), 2424 North Front street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, J. M. Stamm, on premises. Brick, 3 stories, electric lighting. Contract awarded to Matthew Morrison & Sons, 2322 North Howard street.

Saloon and Restaurant (alts.), 18 and 20 North Eleventh street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Thomas Peak, 14 North Eleventh street, Philadelphia. Reinforced concrete, slag roof, steam heating, electric lighting, tile work. Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

Hospital (alts.), Thirty-fourth and Spruce streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, University of Pennsylvania Hospital, on premises. Consists of alterations to two rooms, metal lath, tile and marble work (heating and electric work reserved). Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

Residence, alterations to Store, Offices and Apartment House, northwest corner of Twentieth and Chestnut streets. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Stephen B. Fottorall Estate, care of architect. Consists of general interior alterations, steam heating, electric work, parquetry oors, plumbing, fire tower, etc. Contract awarded to F. T. Mercer Co., 1706 Delancey street, Philadelphia.

Stores (2), Fifth street, north of Tabor road, Philadelphia. Architect, Paul A. Boyd, 211 East Willow Grove avenue. Owner, Wil-

liam C. Runge, 6354 Germantown avenue, Philadelphia. Brick, 1 story, 16x35 feet, slag roof, electric lighting (heating reserved). Contract awarded to George A. Boyd, 211 East Willow Grove avenue, Chestnut Hill, Pa.

Garage, Menton and A streets, Philadelphia. Architect, LeRoy B. Rothschild, Bulletin Building, Philadelphia. Owner, Frank P. Hood, Bulletin Building, Philadelphia. Brick, 1 story, 22x103 feet, slag roof, metal ceilings, electric lighting, steam heating, gasoline storage system. Contract awarded to S. Burgard, 501 North Eleventh street, Philadelphia.

Police and Fire Station, Twenty-second and Hunting Park avenue, \$122,863. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, City of Philadelphia, City Hall. Brick and terra cotta, steel and concrete, fireproof, 3 stories, 120x150 feet, slag and tile roof, metal lath, composition oors, tile work (heating, plumbing and electric work, separate bids). Contract awarded to H. H. Wehmeyer, 1004 West Lehigh avenue, Philadelphia.

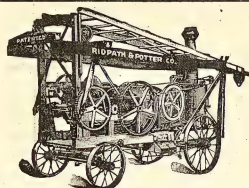
Warehouse, Morris and Water streets, Philadelphia, \$20,000. Architect, private plans. Owners, W. J. McCahan Sugar Refining Co., 101 South Front street, Philadelphia. Concrete and steel, 64x142 feet. Contract for foundations awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Post Office (alts.), Ninth and Chestnut sts., Philadelphia. Architect, private plans. Owner, U. S. Government, Treasury Department, Washington, D. C. Consists of wire screen enclosures for room Nos. 220, 221, 222, 223. Contract awarded to Joseph Price, 2048 Rittenhouse street, Philadelphia.

Coal Yard, Upsal Station, Philadelphia, \$6,000. Engineers, Specialty Engineering Co., Trenton and Allegheny avenue. Owner, Isaac Nicholson, Green, above Upsal street, Philadelphia. Consists of concrete and steel trestle, 97 feet long, and shed, slag roof, reinforcing bars. Contract awarded to Barclay White Co., Perry Building, Philadelphia.

Factory (add.), Orleans street, between Frankford and Kensington avenues. Architects, Bertoletti & Matthews, 1614 Cherry street, Philadelphia. Owner, H. A. Romberg, Bourse Building, Philadelphia. Consists of additional story, brick, 100x41 feet, slag roof, fire doors, metal sash (heating and electric work reserved). Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Don't expect outsiders to give you a big rating on a one-inch space.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA

Construction News

Factory, Fleetwood, Pa., \$40,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owner, Fleetwood Metal Body Work, Fleetwood, Pa. Brick and steel, 2½ stories, 70x110 feet, 40x144 feet, and 299x40 feet, slag roof, steam heating, electric lighting, cement or composition floors. Plans about completed. Architect will take bids in a few days.

Store Building, Reading, Pa., \$6,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owners, name withheld. Brick, 3 stories, 30x90 feet, tin roof, steam heating, electric lighting. Plans in progress.

Fair Buildings, Muhlenberg Township, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Reading Fair Co., W. A. Sharp, chairman, 1208 Eckert street, Reading, Pa. Concrete, hollow tile and steel, manufacturers' building, 1 story, 60x100 feet; poultry building, 1 story, 60x100 feet, asbestos or slag roofs. Architect has received bids.

Residences (alts.), Muhlenberg Township, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, Adam Bodenhorn, Ninth and Penn streets, Reading, Pa. Brick, 2½ stories, 32x65 feet, slate roofs, hot water heating, electric lighting, hardwood floors, tile work. Plans completed. Architect ready for bids.

Vault (add.), Reading, Pa., \$5,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, City of Reading, City Hall, Reading, Pa. Hollow tile, 3 stories, concrete and slag roof, electric lighting, concrete floors, metal lath, vault doors, metal filing cases, waterproofing. Owners are ready for bids.

Residence (alt. and add.), Reading, Pa., \$3,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Brick, 3 stories, 19x56 feet, tin roof, gas and electric lighting. Plans in progress.

Apartment House, Reading, Pa., \$12,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owner, H. W. Saul, Seventh and Chestnut streets, Reading, Pa. Brick, 4 stories, 40x120 feet, tin roof, steam heating, electric lighting, metal lath, dampproofing. Plans in progress.

Residences (20), Chester, Pa. Architect,

Jacob Naschold, 217 East Tabor road, Philadelphia. Owner, name withheld. Brick, 2 stories, slate, slag and tin roofs, steam heating, gas lighting. Plans in progress.

Residences (65), Darby, Pa. Architect, Jacob Naschold, 217 East Tabor road, Philadelphia. Owner, name withheld. Brick, 2 stories, slag roofs, hot air or hot water heating. Plans in progress.

Residence (12), Ardmore, Pa. Architect, Jacob Naschold, 217 East Tabor road, Philadelphia. Owner, name withheld. Stone and frame, 2½ stories, shingle roofs, steam and hot water heating, electric lighting. Plans in progress.

Stable, Garage and Cottage, Bethayres, Pa. Architect, private plans. Owner, Joseph Wharton Lippincott, Sixth and Locust streets, Philadelphia. Stone, 1½ stories, 54x36 feet, shingle and slag roof, hot water heating. Owner has received bids.

Residence (alt.), Villa Nova, Pa. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Joseph Y. Jeanes, Villa Nova, Pa. Consists of 2 new tiled bath rooms and general alterations (plumbing, heating, electric work reserved). Architect has received bids.

Water Works, Media, Pa. Engineer, J. W. Ledoux, 112 North Broad street, Philadelphia. Owners, Borough of Media, Pa. Consists of 2,000,000 gallon basin, filter beds, concrete walls and power plant, iron fences, waterproofing, reinforcing bars. Owners have received bids.

Hospital, Elizabethtown, Pa. Architects, Gay King & Co., 1513 Walnut street, Philadelphia. Owners, The Phila. Order of Free Masons, Broad and Filbert streets, Philadelphia. Stone, 3 stories, 40x100 feet, slate roof, steam heating, electric lighting, concrete fireproofing, metal lath, tile work. Plans about completed. Architects will take bids in about ten days.

Residence, Narberth, Pa., \$5,000. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, C. S. Fay, Narberth, Pa. Hollow tile and plaster, 2½ stories, 30x30 feet, shingle roof, oak floors,



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.
Manufacturers and Distributors of

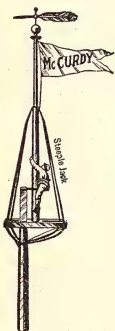
ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa.; 210 Fulton Street, New York City
83 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.
PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia
Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The **PIERCE-SCHMIDT CO. Inc.**
BULLETIN BUILDING, PHILA. PA.

"NOVELTY" REMINDERS

"Novelty" Combination Coal and Gas Ranges

The "Yearound," "Junior Yearound" and "Duplex"
Noveltys are the Most Compact, Complete and
Convenient on the Market.

A Complete Coal Range and a Complete Gas Range condensed into the space of one. Four Cooking Holes for Coal and a Four-Burner Gas Cooking Top.
Original in Design—Perfect in Construction—Economical in Operation.

Write for our "Combination" Literature.

MANUFACTURED BY

ABRAM COX STOVE CO.

General Offices: AMERICAN AND DAUPHIN STREETS, PHILADELPHIA

tile work, steam heating, electric lighting. Architects have received bids.

Fair Buildings, Muhlenberg Township, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Reading Fair Co., W. A. Sharp, chairman, 1208 Eckert street, Reading, Pa. Consists of stable, 1 story, frame, 240x42 feet; grand stand, concrete and steel, 240x66 feet; (4) frame stables, 1 story, 98x28 feet each; (4) entrance gateways, hollow tile concrete and terra cotta, asbestos or slag roofs, concrete floors. Plans about completed. Architect will take bids in a few days.

Sunday School (alt. and add.), Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, St. Mark's Reformed Church, Lebanon, Pa. Brick, stone trimmings, 1 story, 20x40 feet, tin roof, steam heating, gas and electric lighting. Owners are taking sub-bids.

School Building, Mahanoy City, Pa. Architect, Clyde S. Adams, 1508 Arch street, Philadelphia. Owners, Mahanoy Township Board of Education, Mahanoy City, Pa. Frame, 2 stories, 120x100 feet, slag roof, steam heating, electric lighting, slate blackboards. Plans about completed. Owners will advertise for bids in one week.

Lodge and Stores, Chester, Pa., \$40,000. Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owners, Chester Lodge No. 236, F. & A. M., Chester, Pa. Brick and terra cotta, 3 stories, 40x114 feet, slag roof, steam heating, electric lighting, tile work, metal lockers. Plans in progress. Architect will take bids in about one month.

Barn (alts.), Elkins Park, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, P. A. B. Widener, Land Title Building, Philadelphia. Stone, 2 stories, consists of interior alterations. Architect has received bids.

Home Building, Elizabethtown, Pa. Architects, Zantzing, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owners, Grand Lodge of F. and A. M. in Pennsylvania, Masonic Temple, Philadelphia. Stone, 2½ stories, 67x32 feet; wing, 29x28 feet, slate roof, concrete floors, reinforcing bars, metal lath, tile work (heating, plumbing and electric work separate bids). Architects taking bids, due July 1st. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; R. C. Ballinger & Co., 218 North Thirteenth street; Pringle Borthwick, 8018 Germantown avenue; Titzel Const. Co., Lancaster, Pa.; August Wildman, Harrisburg, Pa.

Club House (alt. and add.), Bryn Mawr, Pa. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owners, Radnor Hunt Club, Bryn Mawr, Pa. Frame and rough cast, 2½ stories, tin roof, hot water heating, electric lighting, metal weather strips. Architect has received bids.

Residence (alts.), Merion, Pa. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, Eldridge R. Johnson, Merion, Pa. Consists of new bath room, metal lath, tile work, electric lighting (heating reserved). Architects taking bids, due July 1st. The following are figuring: H. E. Grau Co., 1707 Sansom street; J. Sims Wilson Co., 1125 Brown street; William R. Dougherty, 1610 Sansom street.

Twin Residence, Ashbourne, Pa. Architects, McCormick & McCormick, 1011 Chestnut street, Philadelphia. Owner, Cyrus T. Smith, Ashbourne, Pa. Hollow tile and plaster, 2½ stories, 32x40 feet, shingle roof, electric lighting, hot water heating, parquet floors. Owner has received bids.

Residence, Moylan, Pa. Architects, Thomas B. Lippincott & Edward B. Delk, 34 South Seventeenth street. Owner, J. Passmore Elkinson, 121 South Third street, Philadelphia. Frame or hollow tile and plaster, 2½ stories, 51x27 feet; wing, 14x15 feet, shingle roof, hot water heating, hardwood floors, electric lighting, tile work. Plans about completed. Architects will take bids in one week.

Residence, Drexel Hill, Pa. Architect, E. Kennedy Crothers, 133 South Fifty-second street, Philadelphia. Owner, Arthur F. Lecon, 5924 Walton avenue, Philadelphia. Stone, 2½ stories, 40x28 feet; wing, 12x18 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Owner has received bids.

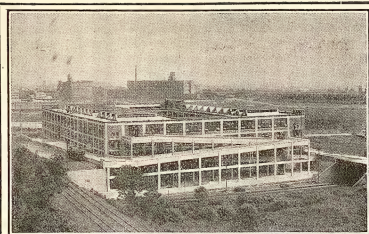
Factory, Hazleton, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Hazleton Bleach Works, Hazleton, Pa. Brick and concrete, 2 stories, 119x42 feet, slag roof, steel sash, fire doors, reinforcing bars (plumbing, heating and electric work reserved). Architect taking bids, due July 2nd. The following are figuring: A. L. Pretz & Son, 1222 Chancellor street; H. E. Batton, Twelfth and Sansom streets; J. Richard Jackson, Perry Building, all of Philadelphia; John A. Leffer, Hugh R. Campbell, S. Y. Frederick & Son, Jacob Jacoby, Ludwig Kramer, all of Hazleton, Pa.; Beard Construction Co., Reading, Pa.

Parish House, Eddystone, Pa. Architects, George Nattress & Son, Twelfth and Walnut

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

streets, Philadelphia. Owners, St. Peter's P. E. Church, Eddystone, Pa. Stone, 1½ stories, 88x26 feet, slate roof, steam heating, electric lighting. Architects taking bids, due July 3rd. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; Pomeroy Construction Co., 1609 Ranstead street; Elfreth & Wood, 1708 Sansom street; George Hogg, 1634 Sansom street; Specht & Sperry Heed Building, all of Philadelphia; John Worrell, Rosemont, Pa.; S. E. Waters, Llanerch, Pa.

Bungalow, Ardmore, Pa. Architect, J. W. Platt, Jr., 436 Seville street, RRoxborough, Philadelphia. Owner, Herbert D. Thompson, Ardmore, Pa. Stone and stucco, 1½ stories, 34x53 feet, shingle roof, hot water heating, oak floors, electric lighting. Owner taking bids, due July 2nd. A. L. Fretz & Sons, 1222 Chancellor street, Philadelphia, is figuring.

Store Building (alt. and add.), Georgetown, Pa., \$4,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner, John Shevlin, Wilkes-Barre, Pa. Brick and stucco, 2 stories, 32x50 feet, asbestos roof, steam heating, electric lighting, oak floors, metal lath, dampproofing. Plans in progress.

Residence (alt. and add.), Wilkes-Barre, Pa. Architect, George F. Schroeder, Weitzkorn Building, Wilkes-Barre, Pa. Owner, Daniel L. Hart, 534 Hazle street, Wilkes-Barre, Pa. Frame, 2 stories, 36x40 feet, shingle roof, electric lighting. Architect taking bids.

Model Village, Shenandoah, Pa., \$100,000. Architect, George S. Welsh, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Locust Mountain Coal Co., Shenandoah, Pa. Hollow tile and plaster, 1 and 2½ stories, consists of garage and warehouse, 20x75 feet; general store, 50x100 feet; five family houses, 28x77 feet each; two double residences, 26x50 feet each; two double residences, 28x57 feet each; superintendent's residence, 30x35 feet; asbestos shingle roofs, hot air and steam heating, electric lighting, waterproofing and dampproofing. Plans about completed. Owners will build and buy all material.

High School, Hughesstown, Pa., \$30,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owners, Board of Education, care of Edward Schmaltz, Pittston, Pa. Frame, 3 stories, 78x81 feet, asbestos shingle roof, metal lath, dampproofing, composition floors (heating, plumbing and electric work separate bids). Owners taking bids.

Bridge, Wilkes-Barre, Pa., \$500,000. Engineer, County Engineer. Owners, Luzerne County Commissioners, John J. Moore, J. Todd Walsh and William C. Brinton, Court House, Wilkes-Barre, Pa. Reinforced concrete, 1,150 feet long and 85 feet wide. Plans have been approved. Owners will soon advertise for bids.

Church, Jermy, Pa., \$15,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owners, Orthodox Greek Catholic Church, care of Nicholas Obuch, Jermy, Pa. Frame, 1 story, 40x75 feet, slate roof, steam heating, electric lighting. Architects

taking bids, due July 1st. The following are figuring: Peck Lumber Co., Peckville, Pa.; Nicholson Lumber Co., Jermy, Pa.; Holt Lumber Co., Carbondale, Pa.; Hoole Lumber Co., Carbondale, Pa.; Nay Aug Lumber Co., Scranton, Pa.

Sunday School (add.), Peckville, Pa., \$15,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owners, Methodist Episcopal Church, Rev. Palmer, Peckville, Pa. Frame and stucco, 2 stories, 54x76 feet, asbestos shingle roof, steam heating, electric light, metal lath, dampproofing. Plans completed. Architects ready for bids.

Residence, Lansdale, Pa. Architect, M. B. Bean, Lansdale, Pa. Owner, Mrs. Annie Woodmansee, Landale, Pa. Brick, 2½ stories, 32x43 feet, slate roof, hot water heating, electric lighting, tile work. Architect taking bids, due July 1st. Specht & Sperry, Heed Building, Philadelphia, are figuring.

Residence, Devon, Pa., \$40,000. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, John S. Bioren, 715 Chestnut street, Philadelphia. Stone, 2½ stories, 30x100 feet, slate roof, electric lighting, oak floors, tile work. Plans about completed. Architects will soon take bids.

Passenger Station, Johnstown, Pa., \$150,000. Architect, K. M. Murchison, 101 Park avenue, New York City. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, stone and steel, fireproof, 2 stories, 70x150 feet, slate roof, steam heating, electric lighting, tile and marble work. Plans about completed. Owners will soon take bids.

Apartment House, Scranton, Pa., \$15,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owner, P. F. Lalley, 328 Pittston street, Scranton, Pa. Brick and frame, 3 stories, 51x45 feet, slag roof, steam heating, electric lighting. Architects taking bids, due July 7th. The following are figuring: Hoover & Stender, Nay Aug Lumber Co., Washburn & Williams, Peck Lumber Co., E. A. Ford, Birch & Robinson, Palmer & Wills, all of Scranton, Pa.

Schools (alts.), Dunmore, Pa., \$20,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Board of Education, Dunmore, Pa. Consists of interior alterations to six schools. Owners taking bids, due July 1st.

Garage, Blakely, Pa., \$3,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, J. W. Jordan, Blakely, Pa. Brick, 1 story, 24x36 feet, slate roof, electric lighting. Owner taking bids, due July 1st.

Hall and Fire House, Millbourne, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owners, Borough of Millbourne, E. S. Opyke, Secretary, 6417 West Chester road, Millbourne, Pa. Stone, 1½ stories, 33x45 feet, shingle roof, hot water heating, electric lighting, concrete floors, reinforcing bars. Owners taking bids, due July 15th. The following are figuring: Graham-Campion Co., Heed Building; Milton W. Young, Overbrook, Pa.; H. E. Baton, Twelfth

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and
Texture resembles Maple.

Worked 13/16"x2 1/4" and 3 1/4" face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS
Commonwealth Bldg. - Philadelphia

and Sansom streets; P. J. Hurley, 1233 Cherry street; Thomas C. Trafford, 1613 Sansom street; George Hogg, 1634 Sansom street, all of Philadelphia, and Lansdowne Construction Co., Lansdowne, Pa.

"I like 'The Guide,'" writes an old subscriber, "because it devotes space to the builder and the material man as well as the architect. Most of the so-called architectural journals are made up of fine writing and pretty pictures, with more pictures than anything else." Yes, and after the pictures have been culled out, the little that remains finds its way into the scrap basket unread. Don't take our word for this, Mr. Advertiser. Just investigate.

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.



TO MEET THE INCREASED DEMAND
we have just completed another large lot of our 1915 Model
"Sterling" Convertible Builders' Levels
and we are again in position to make IMMEDIATE DELIVERIES.

The new TIME-SAVING FEATURES are WORTH INVESTIGATING, and
you are invited to visit our Factory and examine the most PRACTICAL SERVICE-
ABLE and EFFICIENT Level Made!

WARREN-KNIGHT COMPANY

Factory and Salesroom

136 N. TWELFTH STREET

PHILADELPHIA
"World's Greatest Workshop"

PENNSYLVANIA

Contracts Awarded

Administration Building, Muhlenberg Township, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Reading Fair Co., W. A. Sharp, chairman, 1205 Eckert street, Reading, Pa. Hollow tile and steel, 1 story, 240x60 feet, asbestos or slag roof. Contract awarded to George A. Koch, 1024 Robeson street, Reading, Pa.

Apartment House (alt. and add.), Reading, Pa. Architect, Wayne High, 426 Penn street, Reading, Pa. Owner, Samuel J. Wagner, 328 North Sixth street, Reading, Pa. Brick, 3 stories, slag roof, hot water heating, electric lighting. Contract awarded to Daniel H. Hunter, 820 North Eleventh street, Reading, Pa.

Residence, Haverford, Pa., \$7,500. Architect, private plans, Owner, G. Brinton Thomas, Haverford, Pa. Brick and plaster, 2½ stories, 41x23 feet, shingle roof, hot water heating, oak floors, electric lighting. Contract awarded to Graham-Campion Co., Heed Building, Philadelphia.

Barn (rebuilding), Newtown Square, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Miss Anne Vaulain, Newtown Square, Pa. Stone and frame, 2 stories, shingle roof, cork brick floors. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

Home Buildings, Marshalsea, Pa., \$350,000. Architects, City of Pittsburgh, City Hall, Pittsburgh, Pa. Owners, City of Pittsburgh, Pa. Stone, brick, concrete, fireproofing. Contract awarded to Thomas Reilly, 1616 Thompson street, Philadelphia.

Residence, Beth Ayres, Pa., \$9,000. Architects, Thos. B. Lippincott and Edward B. Delk, 34 South Seventeenth street, Philadelphia. Owner, Walter G. McFarland, Asbury Terrace, Oak Lane, Philadelphia. Hollow tile and plaster, 2½ stories, 43x21 feet, slate or shingle roof, oak floors, tile work, electric lighting, hot air or hot water heating. Contract awarded to Jas. E. Flounders, 1329 Arch street, Philadelphia.

Bridge No. 4, South of Millers, on Little Schuylkill Railroad. Architect, private plans. Owners, Philadelphia and Reading Railroad Co., Twelfth and Market streets, Philadelphia. Stone and concrete. Contract awarded to James McGraw Co., Commercial Trust Building, Philadelphia.

High School (add.), Parkesburg, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education. Geo. W. Lufkin, Secretary, Parkesburg, Pa. Brick, 2 stories, 63x55 feet, slag or asbestos roof, metal lath, dampproofing, metal ceilings. Contract awarded to W. J. Elliott, Coatesville, Pa.

Residence, Scranton, Pa., \$7,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, E. G. Whitmore, 748 Harri-

son avenue, Scranton, Pa. Frame, 2½ stories, 30x38 feet, shingle roof, steam heating, electric lighting, tile work. Contract awarded to Hewett & Moss, Scranton, Pa.

Town Hall, Blakely Borough, Pa., \$15,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, Blakely Borough, Pa. Brick, 2 stories, 40x64 feet, slate roof, steam heating, electric lighting, fireproofing. Contract awarded to Milan & Ryan, Wilkes-Barre, Pa.

Apartment House, Taylor, Pa., \$10,000. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, M. M. Williams, Taylor, Pa. Frame, 2 stories, 36x64 feet, slag roof, steam heating, electric lighting. Contract awarded to Roberts Lumber Co., Peckville, Pa.

Residence, Scranton, Pa., \$15,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, David Harris, Scranton, Pa. Stucco, 2½ stories, 38x50 feet, tile roof, steam heating, electric lighting, tile work, hardwood floors, metal lath, waterproofing and dampproofing. Contract awarded to Hower & Stonder, Madison avenue and Ash street, Scranton, Pa.

Church (alt. and add.), Scranton, Pa., \$12,000. Architect, Lewis J. Hancock, Scranton Coal Exchange Building, Scranton, Pa. Owners, First Methodist Episcopal Church of Providence, Rev. Mr. Harding, Scranton, Pa. Brick, 2 stories, 20x80 feet, slate roof, extension to heating plant, electric lighting. Contract awarded to B. M. Trauger & Sons, 2115 Belmont Terrace, Scranton, Pa.

Garage, Scranton, Pa., \$3,000. Architect, Albert Hartman, People's Bank Building, Scranton, Pa. Owner, J. S. Hunt, 820 Taylor avenue, Scranton, Pa. Frame, 2 stories, 31x28 feet, shingle roof, electric lighting, concrete floors. Contract awarded to Stender Bros., Vine and Prescott avenue, Scranton, Pa.

Store and Apartment (alt. and add.), Edwardsville, Pa. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, the Dada Estate, Edwardsville, Pa. Brick, 1 story, 35x50 feet, slag roof, steam heating, electric lighting, metal lath. Contract awarded to F. A. Lee & Son, 34 Alexander street, Wilkes-Barre, Pa.

Church, Lansdowne, Pa. Architects, Druckemiller & Williams, Land Title Building, Philadelphia. Owners, First Presbyterian Church, Rev. William Boyd, Lansdowne, Pa. Stone, 1 story, 36x110 feet; two wings, 36x18 feet each, slate roof, electric lighting, steam or vapor vacuum heating. Contract awarded to Wilbert Beaumont, Stephen Girard Building, Philadelphia.

Residence, Villa Nova, Pa., \$35,000. Architects, Furness Evans & Co., Provident Building, Philadelphia. Owner, John R. Maxwell,

Jr., Morris Building, Philadelphia. Hollow tile and stucco, 2½ stories, 61x39 feet and 29x31 feet, green slate roof, oak floors, metal lath, tile work (heating and electric work reserved). Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

New Jersey Construction News

Dining Halls and Kitchen, Princeton, N. J. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, University of Princeton, N. J. Consists of (3) 1-story dining halls, (1) 2-story dining hall and 2-story kitchen, slate roofs, steam heating, electric lighting. Architects have received sub-bids.

Residence, Moorestown, N. J. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Eugene L. Burns, 6345 Drexel road, Philadelphia. Brick, 2½ stories, 27x40 feet, shingle roof, steam heating, electric lighting, oak floors, tile work. Architects taking bids. The following are figuring: Frank K. Stahl, 226 East Sydney street, Chestnut Hill; F. A. Havens & Co., 345 North Nineteenth street; Supple Construction and Contracting Co., Bulletin Building, all of Philadelphia; Stewart L. Maines, J. S. Rogers Co., A. F. Aitken & Son, Joseph B. Bowen, all of Moorestown, N. J.; M. T. James, Merchantville, N. J.; E. W. Esham, Mt. Holly, N. J.; Geo. W. Shaner & Son, Palmyra, N. J.

Church and Sunday School, Plainfield, N. J., \$30,000. Architects, Chas. W. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, Netherwood Reformed Church, Plainfield, N. J. Brick, 1 and 2 stories, 60x70 feet, slate roof, steam heating, electric lighting. Plans completed. Owners taking bids.

Wagon Factory, Fifth above Market street, Camden, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owner, R. Preisdanz, 15 Market street, Camden, N. J. Reinforced concrete, 4 stories, 96x100 feet, slag roof, (heating, plumbing, electric work, elevator separate contracts). Plans about completed. Architect taking bids.

Club House (alt. and add.), Broadway and Federal streets, Camden, N. J., \$25,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, B. P. O. E., on premises. Brick, 4 stories, slag roof, steam heating, electric lighting, tile work, hardwood floors. Plans about completed. Architect will take bids in about one week.

Hotel, Stone Harbor, N. J., \$15,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owner, A. V. Arrowsmith, 5330 Spruce street, Philadelphia. Frame and stucco, 2 stories, 60x70 feet; annex, 30x40 feet, shingle roof (bat water heating and electric lighting reserved), composition floors, metal lath, dampproofing. Architects will take bids, due July 1st. The following are figuring: Larsen Cont. Co. and D. B. Hartman, both of Stone Harbor, N. J.; W. F. Todd, Riverton, N. J.; Pompeian Stone Co., Haddon Heights, N. J.; James Brown, 743 North Fortieth street, Philadelphia.

Hotel, Stone Harbor, N. J. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, South Jersey Realty Co., Real Estate Trust Building, Philadelphia. Frame, 2 stories, 30x100 feet, shingle roof (electric lighting, heating reserved). Architect taking bids, due July 1st. The following are figuring: Larsen Cont. Co. and D. B. Hartman, both of Stone Harbor, N. J.; James Brown, 748 North Fortieth street, Philadelphia; W. F. Todd, Riverton, N. J.; Pompeian Stone Co., Inc., A. Schilling, manager, Haddon Heights, N. J.

High School (alt. and add.), Lambertville, (Continued on page 417.)

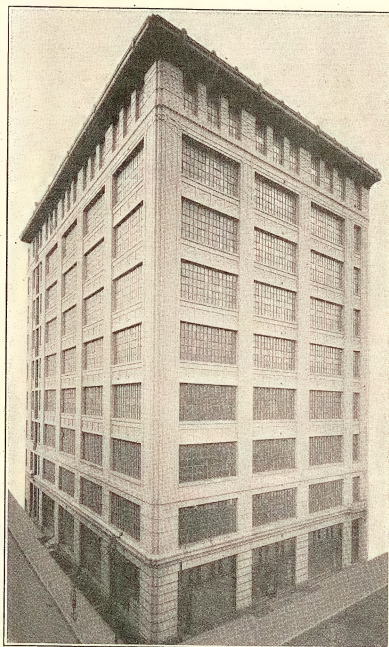


SAUMS PRESERVATIVE



Applied on 100,000 sq. ft. of Concrete and Maple Flooring in
this Modern Loft Building, (All Floors Treated)

MAKES
WOOD FLOORS
EVERLASTING



MAKES
CONCRETE FLOORS
DUSTLESS AND
WATERPROOF

*Irwin & Leighton, Phila.
Builders*

Metzger Building
N. W. Cor. 13th and Cherry Sts.

*Sauer & Hahn, Phila.
Architects and Engineers*

Equally good for Ball Room Floors, Kitchen and Stable Floors,
Hospitals, Schools, Colleges, Station Platforms, Boardwalks, Boat
Decks, Residences and Porches.

Furnished, Applied and Guaranteed by

THE SAGENDORPH COMPANY, Inc.

131-133 SOUTH 24th STREET

:

:

PHILADELPHIA, PA.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 624-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd President
Joseph M. DeLone Vice-President
Louis S. DeLone Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon Editor

PHILADELPHIA, PA., JUNE 30, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President *R. Clipston Sturgis, Boston
First Vice-President . . . *Thomas R. Kimball, Omaha, Neb.
Second Vice-President . . D. Knickerbacker Boyd, Phila.
Secretary *Burt L. Fenner, New York
Treasurer *J. L. Mauran, St. Louis
Auditors { Thomas J. D. Fuller, Washington, D. C.
 Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Macgonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Frederick A. Muhlenberg
Treasurer Walter Mellor
Directors—Clarence C. Zantzing, John Molitor,
John Graham, Jr., Frederick A. Muhlenberg.

Editorial Comment

The ignorance displayed by lay men of at least average intelligence on the question of preliminary sketches furnishes the architect with a subject of never-ending amazement. A business man who has amassed a comfortable competency in business pursuits conceives the idea of building for his family a somewhat pretentious country house. He consults an architect, explains what he has in view, the architect goes into a careful study of the requirements to be met and finally furnishes a set of sketches embodying his own and his client's ideas. These are altered here, changed there, amended elsewhere to suit the taste, or whim, or notions of various members of the client's family, and in due course a second set of sketches is furnished.

Occasionally there is a shift at this interesting juncture to another style of house, which necessitates a third and not infrequently a fourth set of sketches. In the meantime the client's attention is drawn by a real estate man to a most desirably located country house of which its owner is ready to dispose, and he buys it.

The architect is notified that in view of this unexpected turn in affairs, the project upon which he has been working is all off. When the client receives in turn the architect's bill for the series of preliminary sketches he feels aggrieved. "Why should I pay for these sketches?" he complains, "when I haven't made use of them? If I had gone ahead with the house, I'd have expected to pay, of course, but having dropped the idea, why should I be asked to pay for mere sketches done with no other idea than to give me some inkling of what a certain type of house would look like?"

Ask this type of client who is to reimburse the architect for the time, skill, etc., expended in having these sketches prepared, and he comes back at you with, "Yes, I know all that. I show samples, too, when I'm selling goods, but I don't charge for showing the samples. If the architect had furnished complete plans, his claim might have had some merit, but he didn't. All he did was to prepare a few sets of sketches, upon none of which we had agreed."

"Architecture" discusses this preliminary sketch question in a number of its most interesting phases in its current number.

"What may be one of the heaviest items of the overhead charges of the average architect are his uncollectible accounts," says "Architecture," "and in any business-like architect's office there will soon be a determination to reduce them to a minimum. Uncollectible accounts arise, not, as a rule, because of insolvency, or delinquency on the part of the client, but because he becomes dissatisfied with his architect, terminates his employment, and does not seem to realize that an architect's employment cannot be thus terminated without payment for the services

rendered up to that period. The public often thinks that the architect furnishes his drawings more or less 'on approval,' especially if they are only sketches, and there is nothing more difficult than to convince the average client that sketches for a commercial building or for a country house, though they may not be imposing in themselves, may still represent a considerable expenditure of time and money on the part of the architect, for which he expects to be paid.

* * *

"This attitude of the general public is regretably stimulated by the disposition on the part of many architects to take a chance on their sketches being satisfactory, a thing which is detrimental not only to their own interests, but to the profession at large. Certainly, if the whole profession stood firmly on its rights and insisted on payment for preliminary studies of any kind there would be no loss of work to any member, and the loss of money to the profession as a whole would be practically cut in half. It would seem wise to explain to the client that sketches must be paid for and to tell him why; to show that the few 'simple pencil sketches,' which he thinks are all that will be necessary, will take in themselves but a few hours to make, but it may be possible to make them only after a week's close study of the problem and many tentative drawings. Too many architects seem to be afraid of frightening off a client by any discussion of charges at the outset of the work, and are content to get pretty well along with their drawings, or even to send out bills to a client before determining what the percentage is to be, or the time when its several portions are to be paid. In a case like this, when the bills go out, or when the client is informed of what the architect is going to charge him, he is in a position to more or less dictate to the architect the terms of his employment, since the architect may have already done so much work that if he stands stiffly upon his proper compensation and loses the job because of his stand the loss may easily be too great to be borne.

* * *

"The general tendency on the part of architects is not to attempt too vigorously to collect such charges; if the owner does not feel like paying for the drawings, the architect lets him get away with it. Of course, at times he is wise to do this, because he may have agreed that the drawings must please the owner before compensation for them is required; but in most other cases architects owe the other members of their profession a real duty in this matter of collection. Any architect who has an honest claim against a client should resort to every means in his power to see that the claim is paid, even recourse to legal action where all other means fail, and in a surprising number of cases it will be

found that the courts uphold the architect's claim.

"Next to the bad debts which arise from the preparation of sketches, probably the largest proportion arise from those cases where, after the working drawings have been prepared and estimates have been received, the client finds the cost of the work is more than he had anticipated, and decides not to proceed with it, or to employ some other man. Cases like this should be very carefully considered before recourse to court proceedings is had. In the first place, there is, of course, a prejudice against architects in this one respect. It has long been a commonplace that architects' estimates of the cost of a building are nearly valueless, and for an architect to prepare plans for a building which would cost \$50,000 where the owner has only \$30,000 to spend is justly culpable.

* * *

"There are probably no cases where the profession owes a stricter duty to the public and performs it with more laxity than in this question of cost, which is after all a most vital one. If an owner cannot build what he wants to build for his money, he should be told so with complete frankness, and not be led to believe that he can get what he wants. On the other hand, very frequently the first question which is asked an architect before he has any idea of the size of the building is what its cost will be, and a rough first guess is not unusually assumed to be his estimate. Should the architect in developing his sketches find that in order to obtain the accommodation desired, a larger building than he anticipated is necessary, the client should at once be informed of the fact, and also if the client insists upon the specification of material, or of details of construction which are more expensive than was anticipated when the first estimate was given, he should likewise be informed. In order to be sure that a claim for working drawings will be allowed by the courts the architect must come in with clean hands; he cannot collect where a client can clearly show that he has been misled into ordering expensive drawings for his house by misstatements of cost. A reasonable variation in the preliminary estimates has been held not to invalidate an architect's claim, and this reasonable variation has been fixed in many cases to be 15 per cent, though there has been no definite or uniform percentage established throughout the country as a proper latitude to be allowed.

* * *

"It is probable that most architects will endeavor to collect on a claim of this kind where they would let a claim for sketches go by the board, and yet their claim of payment for sketches may be just and defensible, where their claim for payment of working drawings of a building, estimates of which had greatly exceeded the allowed price, may be unjust and indefensible."

* * *

An article in the "New York Sun" on "Artistic Features of the New Cathedral Nave" of St. John the Divine, the paper

model for which was made the subject of comment in the last issue of "The Guide," presents some interesting comment on this splendid and imposing piece of cathedral building.

"It is not necessary to go into the details of the history of this undertaking. Its evolution has already covered a period of quite a quarter of a century, and in that interval, by a curious turn of events, has duplicated in a way the story of hundreds of years. Those familiar with the original plans prepared by Heins & La Farge, the winners of the first competition, will recall that the design was essentially Romanesque, in this repeating in principle the architectural narrative of the early Christian church.

"The Romanesque style called for peculiarly sturdy walls. These were necessarily very massive in order that they might sustain the overload of a stone roof. The early designers knew of no other way to secure the needed measure of stability.

"In the Middle Ages the church of Gothic design was born and then massiveness of fabric was put aside for a far more skillful substitute in the form of true engineering. Left to his own resources, probably some monk conceived the idea of a series of piers capable of sustaining the columns bearing the thrust of the stone arches carrying the roof. This made it possible to form the envelope of interposed masonry curtains of comparatively light weight, and out of this grew that delicacy of line which must always remain a cause for admiration.

* * *

"There was another reason for the abandonment of the Romanesque and the development of the Gothic style. Fire more than once had wrecked the Romanesque churches because of the inflammable character of the roofs of the biggest of them. Ambition to excel through structural grandeur had put a limit upon the load the main walls could stand and wood had to take the place of stone in the largest churches of this design.

"The aim of the pioneers responsible for the Gothic edifices was to eliminate the use of wood and to insure the security of the structure against fire by the adoption of masonry arches able to hold aloft a vault of stone. All of this growth covered a period of centuries, and yet this architectural gulf has been spanned in the case of the Cathedral of St. John the Divine through the adoption of the nave planned by Mr. Cram since he became the consulting architect for the building a few years ago.

"When first this modification was proposed by Mr. Cram there was a good deal of caustic comment, because it looked as if the years of labor and the ponderous stone work already in place would have to be sacrificed. Indeed, that was the way it appeared to the hasty critic. It is now evident that Mr. Cram had no such extravagant idea in mind.

"His one concern was to take the masonry as he found it and to use it as a basis for a Gothic evolution; in brief, to combine in the Cathedral of St. John the Divine the architectural climax of the past and the height

of engineering achievement of the present, or, to express it otherwise, to use the language of a devotional past to symbolize the aspirations of to-day.

* * *

"For those fond of comparative figures it will be of interest to know that the area of St. Paul's in London is 59,000 square feet, while that of the Cathedral of St. John the Divine will cover 99,000 square feet. This, by the way, will represent a ground plan much more extensive than even that of St. Peter's at Rome.

"But these dimensions alone signify little when one considers the architectural task and the final climax the finished edifice will typify. It is one thing literally to reproduce an ancient model, but quite another problem to adopt the style of centuries gone and adapt it to the requirements of a living age. The church of to-day must be lighted, heated and ventilated in a manner undreamed of in the thirteenth century, and the communicants expect comforts and conveniences remote from the rugged habits of life of those who gave the world the Gothic edifice at its best.

"When the Cathedral of St. John the Divine stands finished upon its commanding eminence on Morningside Heights it will represent an outlay of many millions of dollars, every cent of which will have been contributed to make this devotional monument debt free. Each contributor has the right to name as far as possible the direction in which his or her offering shall be spent in the fabric, and the progress of this project will be pushed as the funds become available."

NEW JERSEY CONSTRUCTION NEWS.

(Continued from page 414.)

N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Board of Education, Lambertville, N. J. Brick, 2 stories, 35x25 feet, slate roof, steam heating, electric lighting, slate blackboards. Plans in progress.

School (alt. and add.), Lambertville, N. J. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Board of Education, Trenton, N. J. Brick, 2 stories, 110x67 feet, slate roof, steam heating, electric lighting, slate blackboards. Plans in progress.

Schools (2), Harbortown, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Pennington Township Board of Education. Frame, 1 story, 69x30 feet each, shingle roofs. Owners are ready for bids.

Factory Building, Trenton, N. J., \$15,000. Architect, private plans. Owners, John A. Roebling's Sons Co., Trenton, N. J. Brick, 2 stories, 80x126 feet, slag roof, steam heating, electric lighting. Owners are sub-letting all contracts.

Residences (4), Trenton, N. J. Architect, private plans. Owner, Samuel C. Kulp, Broad Street Bank Building, Trenton, N. J. Frame, 2½ stories, 24x26 feet each, shingle roof, hot water heating. Owner taking sub-bids.

New Jersey

Contracts Awarded

Trestle and Crusher House, Camden, N. J. Engineer, Albert C. Wood, Pennsylvania Building, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Reinforced

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



concrete crusher house, 90x223 feet; trestle, 260 feet long, tile roof, metal sash and doors, waterproofing. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

High School (add.), Collingswood, N. J., \$40,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Collingswood, N. J. Brick, 2 stories, slate roof, metal lath, safety treads. Contract awarded to Geo. W. Shaner & Son, Palmyra, N. J.

Residence, Moorestown, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owner, Edward S. Sharpless, Moorestown, N. J. Hollow tile and stucco, 2½ stories, 20x66 feet, slate roof, oak floors. Contracts awarded to J. S. Rogers Co., Moorestown, N. J.

School Building, Atoe, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Waterford Township Board of Education, Amos Peacock, secretary, Atoe, N. J. Brick, 2 stories, 52x49 feet, slate roof, safety treads, metal lath. Contract awarded to W. R. Titus, Woodbury, N. J.

Hosiery Mill, Trenton, N. J. Architect, W. U. Jury, Shamokin, Pa. Owner, W. F. Taubel, Inc., Riverside, N. J. Brick, 3 stories, 50x120 feet, slag roof, steam heating, electric lighting, elevators. Contract awarded to Harrison C. Rea Co., 1027 Wood street, Philadelphia.

Residence, Trenton, N. J., \$8,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, G. H. Bell, 634 West State street, Trenton, N. J. Brick, stone trimmings, 2½ stories, 38x38 feet, slate roof, gas and electric light, hardwood floors, tile work (heat reserved). Contract awarded to A. W. Chapman for carpenter work and to Burton & Burton for mason work, both of Trenton.

Residence and Garage, Trenton, N. J., \$15,000. Architect, W. P. Thines, Commonwealth Building, Trenton, N. J. Owner, Isaac Levine, Union street, Trenton, N. J. Brick, 2½ stories, 33x83 feet, slate and tin roof, hot water heat, gas and electric light, tile work, metal lath, hardwood floors. Contract awarded to Louis Levy & Sons, Trenton, N. J.

Residence, Woodside, Trenton, N. J., \$4,500. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Miss

Catherine Schuelte, Trenton, N. J. Brick, 2½ stories, 45x26 feet, slate roof, hot air heating, electric lighting. Contract awarded to W. J. & J. H. Morris, Broad Street Bank Building, Trenton, N. J.

Residence, Trenton, N. J., \$8,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, J. F. Convery, 19 Perdicaris street, Trenton, N. J. Brick, 3 stories, 48x29 feet, slate roof, steam heating, hardwood floors, tile work, metal lath, electric lighting. Contract awarded to C. Y. Barlow, Trenton, N. J.

Garages (16), Sixth and Byron streets, Camden, N. J. Architect, private plans. Owner, Levi J. Troth, Fifth and Byron streets, Camden, N. J. Brick, 1 story, 10x20 feet

Miscellaneous Construction News

Bungalow, Polk County, Florida. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner, Edward E. Hanna, Wilmington, Del. Frame, 2 stories, 45x37 feet, shingle roof. Plans in progress.

Apartment House, Wilmington, Del. Architects, E. L. Rice, Jr., Co., 815 Market street, Wilmington, Del. Owner, name withheld. Brick and steel, 4 stories, 49x101 feet, slag roof, vapor heating, gas and electric lighting, tile work, hardwood floors, metal lath, automatic electric elevator, dumb waiters, iron stairs. Plans completed. Architects ready for bids.

High School (add.), Wilmington, Del., \$135,000. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington. Brick, 4 stories, 85x135 feet, steam heating, electric lighting, metal lath, slate blackboards. Owners are ready for bids.

Store Building, 712 Market street, Wilmington, Del. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owner, W. E. Hawkins, 919 Delaware avenue, Wilmington, Del. Brick, 3 stories, 28x36 feet, slag roof, steam heating, electric lighting. Contract awarded to Harry S. Lynch, 715 Tattall street, Wilmington, Del.

MARYLAND Construction News

School Building, Millington, Md., \$15,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner, Board of Education, John P. Ahern, Millington, Md. Brick, 2½ stories, 50x60 feet, slate roof, slate blackboards. Owners taking bids, due July 3d. Charles H. Tindall & Son, 614 Tatnall street, Wilmington, Del., are figuring.

Dwellings (28), 700-24 North Curley street, Baltimore, \$26,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owners, Frank Novak Realty Co., 744 North Kenwood avenue, Baltimore. Brick, 2 stories, 13x45 feet, tin roof, hot air heating. Owner will take sub-bids on all lines.

Dwellings (4), 1202-8 Bloomingdale road, Baltimore, \$10,000. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore. Owners, Globe Realty Co., 32 South street, Baltimore, Md. Brick, 2 stories, 14x50 feet, slag roof, steam heating. Plans in progress. Architect will take bids.

Immigration Station, Baltimore, Md. Architect, James A. Wetmore, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Stone and brick and

terra cotta, 4 stories, 3 stories and two two-story buildings, slate, tile and composition roofs (mechanical equipment, elevator, lifts and dumbwaiter, separate bids), pipe tunnels, approaches and wharf 25x60 feet. Plans may be obtained from Commissioner of Immigration, Baltimore, Md., after July 9th.

Building, Wilton Heights and Hayward avenues, Arlington, Md., \$15,000. Architects, Owens & Sisco, 1605 Continental Building, Baltimore. Owners, Wilton Heights M. P. Church. Stone, 35x75 feet, slate roof, steam heating, electric lighting. Plans in progress. Will be ready for bids about July 7th.

Cold Storage Plant, Pratt street, Baltimore. Architects, C. D. Cooley Co., Pittsburgh, Pa. Owners, Maryland Ice and Fruit Products Co., Pratt street, Baltimore. Brick, concrete and steel, 6 stories, 115x50 feet. Plans in progress.

Dwellings, Wilson property, north of Guilford, Md., \$20,000. Architects, Eliott & Emmart, Union Trust Building, Baltimore, Md. Owner, Richard H. Pleasants, Munsey Building, Baltimore. Brick, 2 stories. Plans in progress.

MARYLAND Contracts Awarded

Store Building (alt. and add.), 3 North Gay street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Samuel Kahn, 19 North Gay street, Baltimore, Md. Brick, 4 stories, consists of new front and interior alterations, steam heating, electric lighting. Contract awarded to

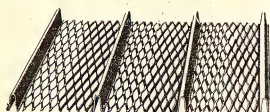
Joseph Schamberger, 2122 East Baltimore street, Baltimore, Md.

Buildings, Baltimore and Pulaski streets, Baltimore, Md., \$25,000. Architect, J. E. Laferty, 11 East Pleasant street, Baltimore. Owners, St. Luke's Reformed Church, on premises. Stone, 2 stories, 51x80 feet, slate roof, hot



Courtesy of P. R. R.

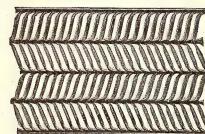
NORTH PHILADELPHIA STATION, PENNSYLVANIA RAILROAD



SELF CENTERING

WHY

Does the Pennsylvania Railroad specify and use SELF CENTERING and HERRINGBONE METAL LATH?



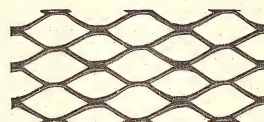
HERRINGBONE

WHY

Did the Bethlehem Steel Co. specify and use 285,000 sq. ft. of SELF CENTERING for the Roofs of their New Buildings?



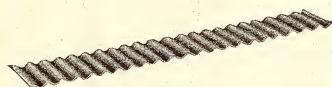
EXPANDED METAL



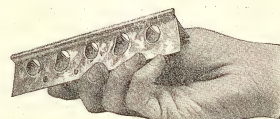
"BILCO" DIAMOND MESH

WHY

Are our Materials specified outright by the Leading Architects?



WALL TIE



"BILCO" CORNER BEAD

QUALITY and ECONOMY

INTEGRAL AND MEMBRANE WATERPROOFINGS, DAMPPROOFINGS, FLOOR HARDENERS AND TECHNICAL PAINTS

CRITTALL CASEMENT WINDOWS

(Used throughout School of Mines, Liberal Arts and Chemical Buildings, State College, Pa. Day & Klauder, Architects)

KALAMEIN DOORS AND WINDOWS

GENERAL FIREPROOFING CO.'S MATERIALS

Our Fireproofing Handbook for 1915 would Interest You

BUILDERS' STEEL PRODUCTS CO.

131-133 So. 24th Street,

Philadelphia

water heating. Contract awarded to C. C. Watts, 113 W. Hamilton street, Baltimore.

Dwelling, Deepdene road, Roland Park, Md., \$6,000. Architect, Edw. L. Palmer, Jr., 408 Roland avenue, Roland Park, Md. Frame, shingle exterior and roof, 2½ stories, 26x45 feet, hardwood floors, hot water heating, electric lighting. Contract awarded to Roland Park Co., Roland Park, Md.

Power House (alt. and add.), Hebrew Hospital, Monument street and Buland avenue, Baltimore, \$10,000. Architects, Smith & May, 1131-33 Calvert Building, Baltimore. Owners, Hebrew Hospital, on premises. Consists of general alterations. Contract awarded to John Waters, 23 East Centre street, Baltimore.

School Building, Gardenville, Md., \$18,791.40. Architects, Blake & Engle, Law Building, Baltimore. Owners, Baltimore County School Commissioners, Gardenville, Md. Contract awarded to Balke & Engle, Law Building, Baltimore.

Permits for New Buildings

William Hansbury (O), Longshore and Glenloch streets. J. E. Mattis & Sons (C), 4412 Winghamock street. Cost, \$2,500. Dwelling, brick, 16x32 feet, Torresdale avenue and Magee street.

Joseph E. Farquhar (O), Seventh and Ontario streets. Cost, \$76,000. Forty-four dwellings, brick and stone, 14x32 feet, 702 to 742 and 701 to 743 Russell street.

James Makowski (O), 4749 Cambridge street. Cost, \$1,600. Dwelling, brick, 2 stories, 14x32 feet, Cambridge and Margaret streets.

A. H. & F. H. Lippincott (O), Twenty-fourth and Locust streets. Tunnar Concrete Steel Co. (O), 1713 Sansom street. Cost, \$96,000. Manufacturing building, brick and terra cotta, 187x110 feet, Twenty-fourth and Locust streets.

Rev. H. Hammeke (O), 2831 North Hutchinson street. School, brick, tile roof, 70x102 feet. Cost, \$40,000.

M. George Kyle (O), Seventy-sixth and Avenue P. J. E. Shepley (C), 2340 South Seventy-second street. Cost, \$2,600. Two dwellings, brick and stone, 14x36 feet, Eighty-third and Brewster avenue.

Eliza J. McMichael (O), 7513 Buist avenue. George S. Ree (C), 6949 Saybrook avenue. Cost, \$3,500. Two dwellings, brick, 16x40 feet, 2 stories, Seventy-fifth and Buist avenue.

Frank D. Williams (O), 1038 West Venango street. Cost, \$15,000. Five dwellings, stone and brick, 15x36 feet, Seventeenth and Butler streets.

W. E. Reis (O), 1228 Chestnut street. Cost, \$112,600. Thirty-eight dwellings, brick, 2 stories, 16x32 feet, Marvine and Courtland streets.

Hamilton Samuel (O), 6505 Wodland avenue. Cost, \$23,400. Eight dwellings, brick, 2 stories, 15x44 feet, Fifty-eighth and Windsor streets.

Board of Education (O), Land Title Building. Mitchell Bros. (C), 2125 Race street. Cost, \$3,500.

Henry P. Schneider (O), 3713 Old York road. Cost, \$5,600. Two dwellings, brick, 2 stories, 16x48 feet, Eleventh and Loudon streets.

Christian J. Luding (O), Germantown avenue and Duval street. Samuel Harding (C), 20 East Johnson street. Cost, \$6,500. Manufacturing building, brick, 48x45 feet, Germantown avenue and Duval street.

E. Ford (O), Fifty-sixth and Race streets. N. D. Harron (C), 145 North Fifty-sixth street. Cost, \$2,400. Dwelling, stone and brick, 2 stories, 16x40 feet, Fifty-fifth and Race streets.

Louis Laib (O), 6638 Torresdale avenue. Cost, \$3,200. Two dwellings, brick, 2 stories, 16x38 feet, Marsden and Unruh streets.

Church of Our Mother of Consolation (O), 9 East Chestnut avenue, Chestnut Hill. Jacob Myers & Sons Co. (C), Witherpoon Building. Cost, \$31,000. Stone and terra cotta, 100x77 feet, 9 East Chestnut avenue, Chestnut Hill.

Herman Auth (O), 4331 Lackawanna avenue. Cost, \$8,600. Seven dwellings, brick, 14x24 feet, Glad and Church streets.

John V. Speth (O), Twenty-sixth and Oxford streets. Koelle Speth Co. (C), Twenty-sixth and Oxford streets. Cost, \$4,500. Dwelling, stone, 41x30 feet, Fifty-second street and Drexel road.

F. W. Zebley (O), 6022 Hagerman street. Cost, \$8,350. Six dwellings, brick, 2 stories, 16x38 feet, 6021 Van Dyke street.

M. Toltz (O), 527 Chew street. S. Webster Cook (C), 5718 North Fourth street. Cost, \$3,600. Dwelling, brick and stone, 16x47 feet, Fourth and Chew streets.

Kellman & Gorochoff (O), 8021 Lyons avenue. Cost, \$145,700. Twenty-five dwellings, brick, 15x31 feet, 2 stories, Seventieth and Paschall avenue.

Ferdinand Pezzillo (O), 3348 Almond street. Cost, \$3,300. Two dwellings, brick, 2 stories, 15x26 feet, 3347 Almond street.

D. B. McAllister (O), Twenty-fifth and Reed streets. Coal office.

John Wolfe (O), 239 South Tenth street. Henry C. Dahl (C), 231 South Eighth street. Cost, \$2,500. Store, brick, 32x36 feet, 239 South Tenth street.

George Henry Bartle (O), 21 Ridge avenue, Roxborough. Henry Dean (C), Shawmont avenue, Roxborough. Cost, \$4,500. Two dwellings, brick, 2 stories, 16x46 feet, Ridge avenue and Mechanic streets.

Alterations and Additions

Minnie Wecht (O), 237 Fairmount avenue. Morris Wecht (C), 237 Fairmount avenue. Cost, \$800. Store and dwelling, Marshall and Wood streets.

M. E. Fitzpatrick (O), 1518 Pine street. A. H. Williams & Son (C), 419 Locust street. Cost, \$1,500. Dwelling, 1517 Spruce street.

William Turner (O), Camac and Glenwood avenue. William S. Brewster (C), 181 West Loudon street, Olney. Cost, \$800. Garage, Camac and Glenwood streets.

Mary Moran (O), 1827 Ingersoll street. Owen Fogarty (C), 1918 Cherry street. Cost, \$575. Dwelling, 1827 Ingersoll street.

Charles A. Gillingham (O), 1530 Master street. F. A. Stead (C), 1308 Mellon street. Cost, \$700. Dwelling, 1530 Master street.

H. B. Cathers (O), 1847 North Thirteenth street. Cost, \$600. Dwellings, 3015-35 Page street.

Gartana Cohethi (O), 910 South Ninth street. Tony Morrella (C), 937 Federal street. Cost, \$600. Dwelling and store, 1834 Federal street.

Frank P. Hood (O), Bulletin Building. F. Burgard (C), 501 North Eleventh street. Cost, \$3,700. Garage, A and Mentor streets.

M. T. Black (O), 203 South Fifth street. S. Lashner (C), 1700 South Fifth street. Cost, \$900. Dwelling, 1503 South Twelfth street.

M. Willer (O), 2512 Oakdale street. A. K. Landay (C), Gratz road. Cost, \$650. Dwelling, 2512 Oakdale street.

D. B. McAllister (O), Twenty-fifth and Reed streets. Armstrong & Latta (C), Land Title Building. Cost, \$900. Office building, Twenty-fifth and Reed streets.

Girard Trust Co. (O), Broad and Chestnut streets. I. Morris Daniel (C), 252 South Juniper street. Cost, \$1,185. Manufacturing Building, 220 North Second street.

William H. Windolph (O), 28 North Twelfth street. J. D. Fisher (C), 5718 Market street.

Cost, \$5,000. Garage, Fifty-fifth and Chestnut streets.

A. Stevens (O), 2034 North Eighteenth street. M. Yellin (C), 712 North Franklin street. Cost, \$3,000. Dwelling, 2006 Diamond street.

Herman Bros. (O), Land Title Building. I. T. Shoemaker (C), 1309 Walnut street. Cost, \$14,000. Warehouse, 257-59 North Broad street.

Board of Education (O), Land Title Building. Mitchell Bros. (C), 2125 Race street. Cost, \$3,500. School, Sixteenth and Wharton streets, Philadelphia.

Lewis Louderback (O), Torresdale avenue. E. J. Bender (C), 6014 Torresdale avenue. Cost, \$4,000. Garage, 5907 Torresdale avenue.

Mrs. W. G. Grieb (O), 6055 Drexel road. M. W. Young (C), Overbrook, Pa. Cost, \$800. Dwelling, 6055 Drexel road.

F. Rakestaw (C), Overbrook, Pa. Strawbridge & Clothier (C), Philadelphia. Cost, \$5,000. Residence, 5917 Drexel road.

Samuel Klein (O), 19 North Second street. Lam Building Co. (C), 1001 Wood street. Cost, \$800. Factory, 56 North Second street.

George Miller (O), 1306 Chestnut street. Ed. B. McCall (O), Seventeenth and Tioga streets. Cost, \$2,200. Store and dwelling, 131 South Thirteenth street.

Henry Scheffer (O), 1339 South Front street. Lewis McMurtrie (C), 105 Carpenter street. Cost, \$2,000. Store and dwelling, 1334 South Front street.

Sheltering Arms P. E. Church (O), 717 North Franklin street. H. L. Roberts (O), 228 North Sixteenth street. Cost, \$1,500. Hospital, 717 Franklin street.

Powelson Storage Co. (O), Thirty-eighth and Powelson avenue. Boyd & Carmichael (C), 1526 Fairmount avenue. Cost, \$1,400. Stable, 3756 Warren street.

Harry L. Halpern (O), 226 North Tenth street. M. Duva (C), 324 Harvey street. Cost, \$3,000. Store and dwelling, 226 North Tenth street.

Mrs. G. D. Fowle (O), 916 Clinton street. William R. Dougherty (C), 1610 Sansom street. Cost, \$1,000. Residence, 916 Clinton street.

M. Stephens (O), 1030 South Sixth street. Sam. Abramson (C), 1513 Moyamensing avenue. Cost, \$600. House and stable, 625 Moyamensing avenue.

Marie F. Hackel (O), 5900 Lansdowne avenue. Joseph I. Wiggins (C), 1527 North Fifty-ninth street. Cost, \$800. Store and dwelling, Fifty-ninth and Lansdowne avenue.

Atmore & Son (O), 110 Tasker street. John N. Gill & Co. (C), Head Building. Cost, \$3,080. Factory, 110 Tasker street. Cost, \$1,495. Storage.

H. White (O), Twenty-second and Arch streets. Cost, \$500. Lunch room, Twenty-second and Walden streets.

Brethern Church (O), 6611 Germantown avenue. R. W. Neff (C), 6610 Germantown avenue. Cost, \$5,850. Church, 6613-15 Germantown avenue.

G. A. Burger (O), 2248 North Front street. William E. Stone & Son (C), 2069 Diamond street. Cost, \$800. Store and dwelling, 2917 Columbia avenue.

Thomas Convery (O), Twenty-eighth and York streets. Herman Voigt (C), 1251 North Twenty-eighth street. Cost, \$500. Saloon and dwelling, Twenty-eighth and York streets.

Herman Muller (O), 150 West Tioga street. Harry H. Yergler (C), 4430 North Nineteenth street. Cost, \$1,000. Store and dwelling, Tioga and Wascher streets.

L. Fronn (O), Spencer street. Harry H. Yergler (C), 4430 North Nineteenth street. Cost, \$1,000. Garage. Cost, \$900. Dwelling, Seventeenth and Spencer streets.

Charles Weinstine (O), Fifth and McKean streets. Lester M. Shestack (C), 322 Dickinson street. Cost, \$3,000. Two dwellings, 2312-14 South Seventh street.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Arist's and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

H. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Contractors' Equipment.

C. G. A. Schmidt, Jr. & Co., Empire Bldg.

Dampproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York,
and Land Title Bldg., Phila.

Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces.

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Fayne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.
Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York,
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Star Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. E. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

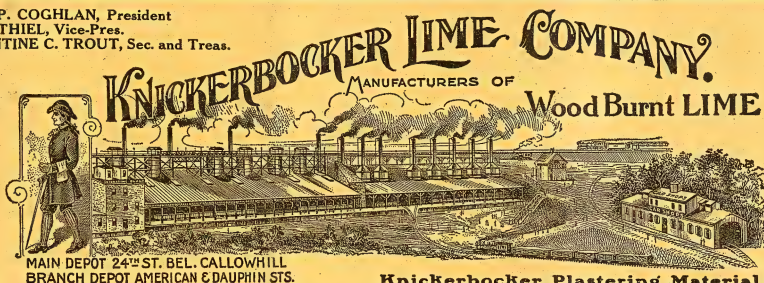
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
-CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

Quality, Exquisite Designs, and a Guarantee of Satisfaction are assured when we Design, Manufacture and Install Fixtures to Properly Diffuse Light.

Drawings, Specifications, Figures and Recommendations gladly Furnished Free upon receipt of Data and Dimensions of Rooms to be Lighted.

LOGUE-STRONGE MFG. COMPANY

221 North Sixteenth Street, Philadelphia, Pa.

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."
Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 27.

PHILADELPHIA, WEDNESDAY, JULY 7, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

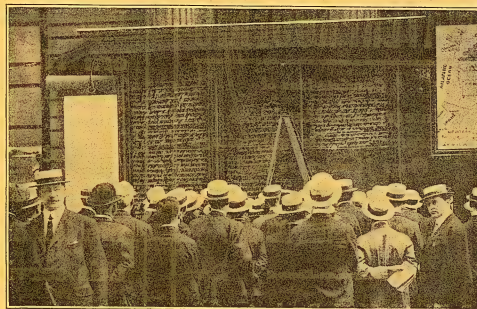
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building

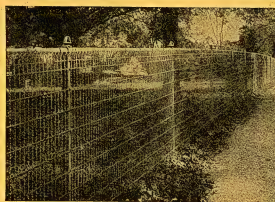


EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD
The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



PHILADELPHIA FIRE RETARDANT CO.

1614 CHERRY STREET

PHILADELPHIA, PA.

Rolled Steel Sash and Doors, Steel Stairs, Saino Fire Doors and Shutters, Steel Rolling Doors, Kalamein Doors, Metal Windows

WATERPROOFING

A Complete Line of

Integral and Membrane
Waterproofings, Dampproofings
Floor Hardeners and
Technical Paints

MAY WE SOLVE YOUR PROBLEM?

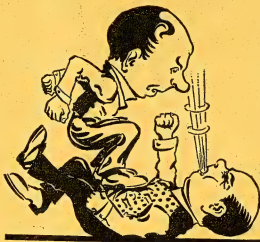
Catalogue on Request

Builders' Steel Products Co.

131-133 S. 24th Street

Philadelphia

FIREPROOFING AND WATERPROOFING
MATERIALS



**"Get the Jump on
Your Competitors"**

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta**

**Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

**ADOLPH CHRISTENSEN
CONTRACTOR**

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Audubon Wire Cloth Co., Inc.

AUDUBON, N. J.

Announce their succeeding the
Strawbridge & Chase Co.
OF PHILADELPHIA, PA.

Emphasizing the fact of no change
in management or conduct
of the business

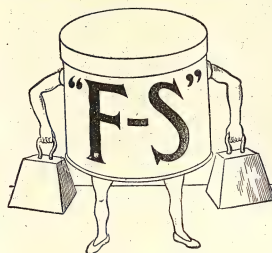
We wish further to let our friends and customers know of our increased facilities, new initiative and increased endeavors to give prompt delivery, service and low figures consistent with the quality of our products.

Audubon Wire Cloth Co., Inc.

Manufacturers of

Wire Cloth in Brass, Copper, Steel and Galvanized
Wire Screening, Sieves and Window Guards

AUTO TRUCK DELIVERING DAILY IN PHILADELPHIA, PA.



**"F-S" Products are strong
on quality.**

Have you ever used 'Ef-Es-Co' for dead-flat white finishes? A smooth, hard, durable, washable surface is what you would get. 'Ef-Es-Co' stands wear, and it flows out well under the brush. It is good on wood or metal. Dead white or various shades.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(115)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

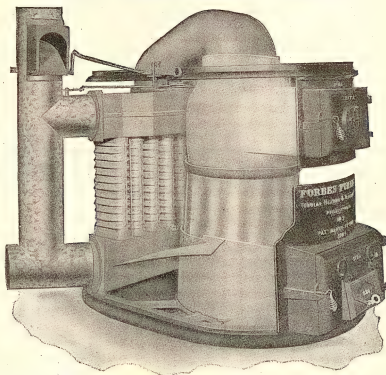
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.
232 Quarry Street, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.

CAMDEN, N. J.
1511 Sansom Street, Philadelphia

SCAMMELL EXPANDED METAL LATH

(Formerly Roebling)



The only Expanded Metal Lath in Rolls
Patented February 17th, 1914

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

USE SCAMMELL Lath for Best Results

PAYNE & SCAMMELL

Concrete Fireproofing, Metal Furring and Lathing

Land Title Bldg., Phila., Pa.

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER

WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers

Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA

Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSDITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 27.

PHILADELPHIA, WEDNESDAY, JULY 7, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Department Store (alts.), Tenth and Market streets, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Berg Bros., on premises. Consists of new bulk windows and interior alterations, terra cotta, concrete fireproofing, ornamental iron, metal ceilings, metal lath, parquet floors, tile work, electric work. Architects taking additional bids. Freund-Seidenbach Co., Bulletin Building, is figuring.

Sunday School, Fifty-third and Chestnut streets, Philadelphia. \$30,000. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, St. Matthew's M. E. Church, Rev. Richard Radcliffe, Fifty-third and Sansom streets, Philadelphia. Stone, 2 stories, 60x70 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about one month.

Dwellings (26), 1000-50 South Fifty-sixth street, Philadelphia. \$52,000. Architect, private plans. Owner, Jos. A. Allen, 6318 Bainbridge street, Philadelphia. Stone and brick, 2 stories, 16x32 feet, slag roof, hot air heating. Work started.

Dwellings (40), Fifty-ninth and Vine sts., Philadelphia. \$60,000. Architect, private plans. Owner, Benjamin L. Carroll, 6115 Columbia avenue, Philadelphia. Brick and stone, 2 stories, 15x33 feet, slag roof, hot water heating. Work started.

Residence (alt. and add.), 3817 Spruce st., Philadelphia. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, Wm. P. Bement, Real Estate Trust Building, Philadelphia. Brick, 3 stories, slate roof, canvas floors, hot air heating, electric lighting, tile work. Architects taking bids, due July 10th. The following are figuring: Thos. C. Trafford, 1613 Sansom street; A. L. Fretz & Sons, 1222 Chancellor street; F. L. Hoover & Sons, 1023 Cherry street; H. E. Grau Co., 1707 Sansom street; J. Sims Wilson Co., 1125 Brown street, all of Philadelphia.

Club House (remodeling), 1209 Walnut st., Philadelphia. Architect, private plans. Owner, The Athletic Club of Philadelphia, 1625 Arch street, Philadelphia. Brick, 3 stories, waterproofing, tile work, metal lath, oak floors, slag roof, composition flooring,

electric lighting. Builder, Wm. R. Dougherty, 1610 Sansom street, taking sub-bids on all lines, due July 7th.

Residences (160), Front street, Boulevard, Third and Ashdale streets. Architect, private plans. Owners, care Kuhn & Lowery, agents, Fifth and Rockland streets, Philadelphia. Brick, 2 stories, 16x48 feet, hot water heating, slag roof, tile bathrooms. Plans in progress. Bids will be taken in two weeks.

Residences (49), Sixtieth and Latona sts., Philadelphia. Architects, private plans. Owners, Ferguson & McDowell, 1003 South Fifty-first street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, hot water heating, tile bathrooms. Work about to be started.

Residences (55), Sixty-third and Walnut streets, Philadelphia. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets, Philadelphia. Brick, 2 stories, 16x58 feet, and 16x45 feet, hot water heating, slag roof, hardwood floors, tile bathrooms. Plans in progress. Owners will take sub-bids in one week.

Residence and Garage, Chestnut Hill, Philadelphia. (Crefelt avenue.) Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owner, J. Warner Butterworth, 1830 Rittenhouse Square, Philadelphia. Stone, 2½ stories, 27x78 feet and 35x31 feet; Garage, 25x28 feet, tile roofs, reinforcing bars, metal lath, tile work, oak floors; (heating and electric work reserved). Architects taking bids, due July 12th. The following are figuring: Stokes Bros., 6723 Musgrave street; J. Sims Wilson, 1125 Brown street; Pomeroy Const. Co., 1609 Ranstead street; Graham-Campion Co., Heed Building; Pringle Borthwick, 8018 Germantown avenue; H. H. Burrell, 206 South Quince street.

Store Building, 1335 Vine street, Philadelphia. Architect, Charles E. Oelschlaeger, Harrison Building, Philadelphia. Owner, name withheld. Brick and terra cotta, 3 stories, 16x80 feet, slag roof, steam heating, electric lighting, metal lath, fire doors, tile work, electric elevator. Revised plans in progress. Architect will be ready for bids in about one week.

Toilet Building, Girard College Grounds,

Philadelphia. Architect, James H. Windrim, Commonwealth Building, Philadelphia. Owner, Girard Estate, Lafayette Building, Philadelphia. Brick and concrete, 1 story, 187x22 feet, slate roof, waterproofing, electric lighting, hot water heating, reinforcing bars, tile work. Architect taking bids, due July 7th. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; F. W. Van Loon, Denckla Building; J. S. Cornell & Son, Land Title Building; Jacob Myers & Sons Co., Witherspoon Building, all of Philadelphia.

Drug Store and Residence (alt. and add.), Twenty-second and Hunting Park avenue. Architect, Thomas B. Temple, Mt. Vernon, N. Y. Owner, George L. Carman, on premises. Brick, 3 stories, asbestos or slag roof, (heating, plumbing and electric work reserved). Owner has received bids.

Factory, Patterson and Schuyler streets, New Brunswick, N. J. \$45,000. Architect, private plans. Owners, Wm. Linker Co., Heed Building, Philadelphia. Reinforced concrete, 3 stories, 70x100 feet, slow-burning floors, metal sash, electric lighting, steam heating, slag roof. Plans in progress. Owners will take sub-bids in about one week.

Residences (302), Allegheny avenue, Twentysixth to Twenty-eighth streets. Architects, Frank Seeburger and Charles F. Rabenold, Pennsylvania Building. Owner, A. M. Zane, Land Title Building, Philadelphia. Brick, 2 stories, slag roofs and slate roofs, hot water heating, gas and electric lighting, hardwood floors, tile work. Plans in progress. Owner will take sub-bids.

Office and Residence (alt. and add.), 5310 Market street, Philadelphia. Architect, Julius J. Anderson, Drexel Building, Philadelphia. Owner, Dr. Morris Dutch, 5308 Market st., Philadelphia. Brick, 2 stories, 20x100 feet, slag roof, hot water heating, electric lighting. Plans about completed. Owner will take bids in a few days.

Garage (add.), 6108 Girard avenue, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Frank Kerr, on premises. Brick and concrete floors, 2 stories, 50x70 feet, slag roof, (heating, plumbing and electric work reserved). Archi-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



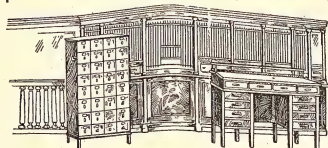
Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.

Crown-Adelphia TANK HEATER



This wonderful little heater will furnish an abundance of Hot Water continuously day and night at the cost of a few cents per day.

Installed in the basement, it will not heat the kitchen in summer, and will keep your basement dry.

Furnished in four sizes, No. 1 and 2 recommended for ordinary family use.

CIRCULAR UPON REQUEST

BORDEN STOVE COMPANY
118-122 N. Second Street :: Philadelphia
INSTALLED AND GUARANTEED BY YOUR PLUMBER

tees taking bids, due July 7th. The following are figuring: Percy M. Sax, Heed Building; P. B. Davis, 240 North Sixteenth street; Melver Construction Co., Heed Building; Thos. M. Seeds, 1207 Race street; Stacey Reeves & Sons, 2011 Market street; Thos. C. Trafford, 1613 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Hall and Tenement House, 3718 to 3724 North Fifth street, Philadelphia. Architect, private plans. Owner, Tongwa Tribe No. 210, I. O. R. M., care Wm. H. Sterner, 3614 North Marshall street, Philadelphia. Brick, 3 stories, 60x70 feet, slag roof, steam or hot water heating, dumb waiter. Owners taking bids. Stacey Reeves & Sons, 2011 Market st., Philadelphia, are figuring.

Residence, Arbutus street, East of Wayne avenue, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edwin R. Winner, Woods Norton Apartments. Stone, 2 stories, 62x48 feet, variegated slate roof, warm air heating, oak floors, tile work, metal lath, (electric work reserved). Architect has received bids.

Y. M. C. A. Building (add.), 1452 to 1458 C'erry street, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Y. M. C. A., 1421 Arch street, Philadelphia. Brick and terra cotta, concrete and steel, fireproof, 10 stories, 60x64 feet, slag roof, steam heating, electric lighting, elevator, concrete floors, tile and marble work, metal lath. Plans in progress. Architect will take bids in two weeks.

Police Station (alts.), Somerville and Rising Sun avenues. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick, 1 story, 26x55 feet, slag and slate roof, steam heating, electric lighting. Owners have received approximate bids and will advertise for final bids in ten days.

Factory Building, Second and Erie avenue, Philadelphia. Engineers, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Thomas Potter Sons & Co., on premises. Reinforced concrete, 4 stories, 100x120 feet, slag roof, steam heating, electric lighting, fire doors, elevator, steel frames and sash. Plans in progress.

Residence (alt. and add.), 3519 North Twenty-second street, Philadelphia. Architect, R. C. Loos, 1017 Chestnut street, Philadelphia.

Owners, name withheld. Brick, 3 stories, tin roof, oak floors, electric lighting, vapor vacuum heating. Architect taking bids. The following are figuring: Sinclair & Driscoll, Weightman Building; D. Henwood, 1509 Wood street; Harry R. Rust, 724 Ludlow street; Central Cabinet Mfg. Co., 529 North Ninth street; Lam Building Co., 1001 Wood street, Philadelphia.

Store Buildings (alts.), Southeast corner Fifteenth and Race streets, Philadelphia. Architect, R. C. Loos, 1017 Chestnut street, Philadelphia. Owners, name withheld. Brick, 3 stories, consists of new bulk windows and interior alterations, electric lighting. Architect taking bids. The following are figuring: Sinclair & Driscoll, Weightman Building; D. Henwood, 1509 Wood street; P. A. Havens & Son, 85 North Nineteenth street, Philadelphia.

Residence and Garage, Wissahickon avenue, Philadelphia, \$30,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Arthur W. Jones, 411 West Chelton avenue, Philadelphia. Stone, 2½ stories, 107x35 feet; Garage, 33x47 feet, shingle roofs, canvas floors, oak floors, electric lighting, warm air and hot water heating, tile work, metal weather strips. Architects takings bids, due July 8th. The following are figuring: F. E. Wallace, 1220 Chancellor street; Stacey Reeves & Sons, 2011 Market street; Wm. H. Eddleman & Son, 453 Green Lane, Roxborough, Pa.; Pringle Borthwick, 8018 Germantown avenue; Samuel Harting, 20 East Johnson street; Fred Elvidge & Son, 5322 Germantown avenue; Wm. C. Wright, 22 Harvey street; Geo. S. Roth & Sons, 230 East Gravers Lane; Stokes Bros., 6723 Musgrave street, Philadelphia.

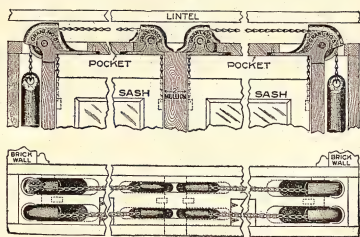
Armory, Thirty-second and Lancaster avenue, Philadelphia, \$75,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory oBard, Harrisburg, Pa. Stone, brick, concrete and steel, fireproof, 2 stories, slate and slag roof, steam heating, electric lighting. Plans completed. Owners will advertise for bids in about one week.

Residence (alt. and add.), Chestnut avenue, Chestnut Hill, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owners, name withheld. Stone, 2½ stories, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

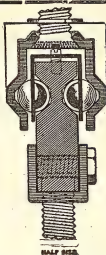
BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W, 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Flat Houses (5), Haverford avenue, Forty-fourth to Forty-fifth street, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, William H. Woodward, Land Title Building, Philadelphia. Brick, two stories, 44x64 feet each, tile and slag roofs, steam heating, electric lighting, parquet floors, tile work, metal lath. Architect taking bids. H. H. Wehmeyer, 1004 West Lehigh avenue, is figuring. Architect also taking sub-bids on all lines.

Church, Fifty-seventh and Race streets, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Mount Carmel Baptist Church, Rev. Thomas D. Atkins, D. D., 143 North Fifty-eighth street. Stone, 1 story and basement, 50x85 feet, slate roof, electric lighting, vapor vacuum heating. Plans in progress. Architect will be ready for bids July 8th.

Garage, Twelfth and Dauphin streets, Philadelphia. Architect, private plans. Owners, L. Kiebe & Co., 1109 West Dauphin street, Philadelphia. Brick, 1 story, 50x125 feet, slag roof, steam heating, electric lighting, cement doors. Owners are sub-letting all contracts.

Church, Germantown, Philadelphia. Architects, Day & Klaunder, 925 Chestnut street, Philadelphia. Owners, Second Church of Christian Scientist, 5425 Germantown avenue. Brick and stucco, 1 story, slate or tile roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about one month.

Apartment House, southeast corner of Fifteenth and Locust streets, Philadelphia, \$750,000. Architect, Frederick Webber, Morris Building, Philadelphia. Owner's name withheld. Brick, terra cotta, limestone and steel,

fireproofing, 12 stories, 60x98 feet, slag roof, steam heating, electric lighting, tile and marble work, elevators and dumb waiters, ornamental iron work, hardwood floors. Plans in progress.

Store (alts.), northeast corner Thirteenth and Chestnut streets, Philadelphia. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owner, Godfrey S. Mahn, northeast corner Eleventh and Chestnut streets. Consists of new bulk windows and interior alterations, electric lighting, steam heating (marble work, metal ceilings and fixtures reserved). Architects taking bids, due July 8th. The following are figuring: A. P. Fraim, 319 Market street; A. Whitehead, Inc., 1624 Latimer street; William R. Dougherty, 1610 Sansom street, Philadelphia.

Residence (alt. and add.), 1702 Summer st., Philadelphia. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owner's name withheld. Brick, 2 stories, slag roof, electric lighting. Architect taking bids, due July 14th. The following are figuring: William R. Dougherty, 1610 Sansom street; Melody & Keating, Bailey Building; H. E. Baton, Twelfth and Sansom streets; Sutton & Stephenson, 1317 Washington avenue; James J. Murphy, 4034 Powelton avenue; John Howden Son, 245 North Sixteenth street, Philadelphia.

Factory Building, Thirty-fifth and Gray's Ferry road, Philadelphia. Architects, Wadleigh & Osborn, Real Estate Trust Building, Philadelphia. Owners, Harrison Bros. & Co., on premises. Brick, concrete and steel, fireproof, 1 story, 100x150 feet, slag roof, electric lighting, metal frames and sash. Architects taking sub-bids.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



120
4
48
2415
482
7245

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, Germantown, Philadelphia. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Dr. Jos. Head, 1500 Locust street, Philadelphia. Stone, 2½ stories, 27x70 feet, shingle roof, oak floors,

(heating, plumbing, electric work, composition flooring, gasoline storage system reserved). Contract awarded to Samuel Harting, 20 East Johnson street, Germantown.

Club House (alt. and add.), 5425 German-

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

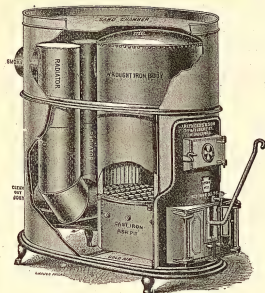
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Your new homes, no matter how simple and inexpensive, should have

All Gas Kitchens

We will be glad to assist you in selecting the proper gas appliances for your requirements and estimate on the cost of installation.

Our ideas may save you money. Call up our Builders and Operators Division.

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

town avenue, Philadelphia. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owners, Masonic Temple Association, on premises. Brick, 3 stories, slag roof, steam heating, electric lighting. Contract awarded to

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

Geo. C. Fossel, 128 East Cheltenham avenue, Philadelphia.

Store and Residence (alt. and add.), 204 North Fifty-second street, Philadelphia. \$1,700. Architect, F. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Wm. S. Kean, on premises. Brick, 2 stories, 16x56 feet, consists of new store front and interior alterations, slag roof, metal lath, electric lighting, new hot water heating plant. Contract awarded to Geo. A. Boyd, 211 East Willow Grove avenue, Philadelphia.

Store Building (remodeling), Northeast corner Eleventh and Market streets. \$25,000. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Frank & Sedar, Commercial Building, Eighth and Chestnut streets. Consists of remodeling for Department Store, brick and steel, 4 stories, slag roof, steam heating, electric lighting, metal lath, concrete fireproofing (elevators reserved). Contract awarded to Standard Const. Co., Drexel Building, Philadelphia.

Cottage and Barn, Paper Mill road. \$15,000. Architects, Brookie & Hastings, 1713 Sansom street, Philadelphia. Owner, Charles N. Welsh, Paper Mill road, Philadelphia. Stone, 2 stories, 27x36 feet, and 30x100 feet, shingle roof, electric lighting, hot water heating. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

Store (alts.), 1014 Market street, Philadelphia. \$11,000. Architects, Henon & Boyle, Fuller Building, Philadelphia. Owners, Estate of James Spear, 325 Chestnut street, Philadelphia. Consists of general alterations to front and interior. Contract awarded to Thos. L. Keefer, 1321 Rodman street, Philadelphia.

Loft Building, Northeast corner Eleventh and Race streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Manufacturing Realty Co., Eleventh and Race streets, Philadelphia. Concrete, 6 stories, slag roof. (Architects taking separate bids on heating, electric work, sprinklers, boilers, engines, etc.) Contract awarded to Harrison C. Rea Co., 1021 Wood street, Philadelphia.

Market House, 854-56 North Marshall st., Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, Charles Ellman, 314 North Second street, Philadelphia. Brick, concrete and steel, 1 story, 22x100 feet, slag roof, electric lighting, concrete floors. Contract awarded to M. Bakst, 1540 North Sixth street, Philadelphia.

Garages (3), 5217-5208-5209 Overbrook ave., Philadelphia. \$2,400. Architect, private plans. Owner, John H. McClatchy, Land Title Building. Consists of general altera-

tions. Contract awarded to John T. Sanders, Land Title Building, Philadelphia.

Residence, Fox Chase, Pa. Architect, E. D. Salter, 4907 Wynnefield avenue, Philadelphia. Owner, Dr. F. C. Emery, Second Street Pike, Fox Chase, Philadelphia. Stone and stucco, 2½ stories, shingle roof, hot water heating, gas and electric lighting. Contract awarded to W. John Stevens, Wynecote, Pa.

Convent (add.), City Line, Chestnut Hill, Philadelphia. \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Sister of St. Joseph, on premises. Stone and enameled bricks, 1 story, 30x60 feet, consists of kitchen wing, tin roof, steam heating, electric lighting, composition flooring, metal lath, dampproofing, steel sash, cold storage plant. Contract awarded to John P. McShain, 631 North Seventeenth street, Philadelphia.

Store and Residence, 1410-12 Susquehanna avenue, Philadelphia. Architect, Walter Thomas Mayo, 1701 Chestnut street, Philadelphia. Owner, A. E. Biester, 1410 Susquehanna avenue, Philadelphia. Brick, 2 stories, 38x85 feet, slag roof, (plumbing, heating and electric work separate bids). Contract awarded to Geo. W. Stewart & Co., 2123 Germantown avenue.

Garage (alt. and add.), 335 South Twentieth street, Philadelphia. Architect, Walter Boylo, 10 South Eighteenth street, Philadelphia. Owners, Dougherty & Davenport, on premises. Brick, 1 story, slag roof. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Residence (alt. and add.), 1517 Spruce st., Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owner, Miss M. E. Fitzpatrick, 1518 Pine street, Philadelphia. Brick, 3 stories, consists of general interior alterations, new steam heating plant, plumbing and electric work. Contract awarded to A. H. Wilson's Sons, 419 Locust street, Philadelphia.

Garage, Northwest corner Sixteenth and Locust streets, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owner, Daniel Baugh, Sixteenth and Locust streets, Philadelphia. Brick and concrete, 2 stories, fireproof, slag roof, steam heating, electric lighting, tile walls. Contract awarded to A. H. Williams Sons, 419 Locust street, Philadelphia.

Church (alts.), Twelfth and Spring Garden streets, Philadelphia. Architects, E. F. Durang & Son, Twelfth and Chestnut streets, Philadelphia. Owner, R. C. Church of the Assumption, Rev. James J. Smith, premises. Consists of alterations to Sacristy and new

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG. YORK : PA.



Photo by A. H. Schaefer, Buffalo, N. Y.

Technical High School, Buffalo, N. Y.
 Architect: Martin C. Miller, Buffalo, N. Y.
 General Contractors: Mosier & Summers,
 Buffalo, N. Y.
 Roofers: Kelker Blower Co., Buffalo, N. Y.

On a modern building —

Here is the handsome, new High School at Buffalo, New York — a fine example of first-class, modern construction throughout.

It is covered with a Barrett Specification Roof.

Now that the roof is completed it will not be necessary for the authorities to give any further thought to it for twenty years or more. It will require no painting, no repairs, no maintenance cost of any kind.

These roofs take the base rate of insurance and are approved by the Underwriters' Laboratories.

It is a bit unusual, perhaps, to find that the cheapest permanent roof to build is also the *best* roof — yet that is the case with Barrett Specification Roofs. Their low cost and long life account for their high standing and popularity with first-class architects, engineers and roofers.

To be sure of getting a Barrett Specification Roof on your building, send to our nearest office for a copy of The Barrett Specification with diagrams and *incorporate same in your building plans.*

We should like to send every architect, engineer and building owner a copy of the Underwriters' Laboratories report on Barrett Specification Roofs. Address our nearest office.

Special Note We advise incorporating in plans the full wording of The Barrett Specification, in order to avoid any misunderstanding. If any abbreviated form is desired, however, the following is suggested:
ROOFING—Shall be a Barrett Specification Roof laid as directed in printed Specification, revised August 15, 1911, using the materials specified and subject to the inspection requirement.

Hydronon

The Damp-proofing Paint

Construction expenses can be reduced by applying plaster directly on the brick or concrete without air space or lath construction. The use of Hydronon makes this practicable. This paint applied to the interior surface of the wall, seals it tight and furnishes a safe and dry base for the plaster. Booklet free on request.

Tar-Rok (Tar Concrete) Sub-Floors

The most suitable service on which to bed plank where a wooden lower floor is desired in factories, storehouses, etc., providing a maximum of strength, rigidity and fire protection at a minimum cost. The plank is laid on the tar concrete while the latter is still soft, giving perfect solidity and making vibration impossible. The tar excludes dampness, provides a warm floor and protects the plank from decay. Booklet on request.

BARRETT MANUFACTURING COMPANY

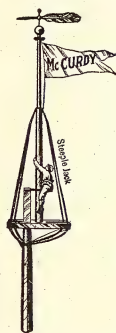
New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
 Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle
 THE PATERSON MFG. Co., Limited Montreal Toronto Winnipeg Vancouver
 St. John, N. B. Halifax, N. S. Sydney, N. S.



When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE FAIRBANKS CO.
PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

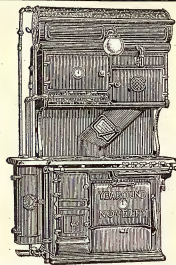
Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th St.
Philadelphia, Pa.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.



"NOVELTY" REMINDERS

"Yearound Novelty"

The Greatest and Most Popular Combination Coal and Gas Range.

Absolutely Complete for the use of Both Fuels.

Four Coal Cooking Holes. Five Gas Cooking Burners.

Compact—Extreme Width (Including Gas Water Heater)
ONLY 49 INCHES.

WRITE FOR "YEAROUND" LITERATURE

Made in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT BUILDERS' EXCHANGE American and Dauphin Sts.

boys' room. Contract awarded to John P. McShain, 631 North Seventeenth street, Philadelphia.

Home for Aged, 3811 Haverford avenue, Philadelphia, \$18,000. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Miss Ada Kilner, 236 North Twentieth street, Philadelphia. Brick, 2 stories, 40x70 feet, electric lighting, tile work, vapor vacuum heating, electric passenger elevator. Contract

awarded to Gaffney Const. Co., 1637 Poplar street, Philadelphia.

Church, Mascher and Tioga streets, Philadelphia. Architect, Albert P. Schendk, Real Estate Trust Building, Philadelphia. Owners, Evangelical Lutheran Erlrosser Church, Mascher and Tioga streets, Philadelphia. Stone, 1 story, slate roof, steam heating, electric lighting. Contract awarded to Henry P. Schneider, 3713 Old York road, Philadelphia.

PENNSYLVANIA

Construction News

Arsenal (add.), Harrisburg, Pa. Architect, C. A. Keyworth, State Capitol Building, Harrisburg, Pa. Owners, State of Pennsylvania, Department of Public Grounds and Buildings, Samuel R. Rambo, Harrisburg, Pa. Brick, terra cotta, concrete and steel, fireproof, 2 stories, 211x61 feet, slag roof, steel sash, fire doors, concrete floors, reinforcing bars, (heating, plumbing and electric work, separate bids). Owners taking bids, due July 15th. F. Roe Searing, Perry Building, Philadelphia, is figuring.

Laundry Building, Norristown, Pa. Architect, W. E. S. Dyor, Land Title Building Philadelphia. Owners, Norris Laundry Co., No. 223 West Main street, Norristown, Pa. Brick and reinforced concrete, 4 stories, 50x100 feet, slag roof, steam heating, electric lighting, elevator, steel sash, fire doors. Plans in progress.

Home Buildings, Williamsport, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, State of Pennsylvania, Home for Criminal Women, George Quintard Horwitz, chairman of committee, West End Trust Building, Philadelphia. Stone and brick, 2½ stories, 2 cottages, 109x38 feet each; 1 cottage, 96x36 feet; 1 cottage, 96x79 feet; Administration Building and School, 163x74 feet, slate roofs, concrete fireproofing, waterproofing, and dampproofing, slate blackboards, metal lath, canvas floors, (steam heating, electric work and plumbing separate bids). Lowest bid submitted by Metzger & Fisher, Denckla Building, \$178,500.

Residences (14), Norristown, Pa. Architect, private plans. Owner, name withheld. Brick, 2½ stories, 26x44 feet each, asbestos shingle

roof, hot air heating. Builders, Stacy Reeves & Sons, 2011 Market street, Philadelphia, taking sub-bids on all lines, due July 8th.

Residence, Beechwood Park, Pa. Architect, Robert B. Cridland, Bulletin Building, Philadelphia. Owner, Robert Abernathy, Rosemont, Pa. Frame, 2 stories, 16x32 feet, asphalt shingle roof, electric lighting, (heating reserved). Architect taking bids. Graham-Campion Co., Heed Building, and Eugene Tourillon, 1001 Chestnut street, Philadelphia, are figuring.

Telephone Exchange (alts.), Jenkintown, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of Penna., Thirteenth and Arch streets, Philadelphia. Stone and concrete, 2 stories, consists of general interior alterations. Plans about complete. Architect ready for bids.

Parsonage, Norristown, Pa. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Trinity Evangelical Lutheran Church, Norristown, Pa. Brick, stone and plaster, 2½ stories, 80x23 feet, tin roof, hot water heating, electric lighting, tile work. Plans in progress. Architects will take bids in about two weeks.

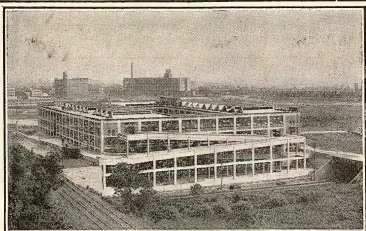
Silk Mill (add.), Kutztown, Pa. \$18,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, name withheld. Brick, 2 stories, 66x50 feet, slag roof, steam heating, electric lighting, concrete stairs. Plans in progress.

Y. M. C. A. (add.), Allentown, Pa. \$100,000. Architect, Louis E. Jallade, 37 Liberty street, New York City. Owner, Y. M. C. A., Allentown, Pa. Brick, terra cotta and steel, fireproof, 5 stories, slag roof, steam heating,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

electric lighting, tile and marble work, concrete fireproofing. Plans in progress.

Picture Theatre (alt. and add.), Allentown, Pa. Architects, Jacoby & Weishample, Commonwealth Building, Allentown. Owner, James K. Bowman, Allentown, Pa. Brick, 1 story, 35x33 feet, rubberoid roof, steam heating, electric lighting, composition flooring, metal lath. Plans completed. Architects ready for bids.

Club House (alt. and add.), Shenandoah, Pa. Architect, J. J. Waitersfeld, Easton, Pa. Owners, B. P. O. E., No. 945, John W. Curtin, Shenandoah, Pa. Brick, 2 stories, 30x90 feet, slag roof, steam heating, electric lighting, hardwood floors, tile work, steel lockers. Plans about completed. Owners will take bids in one week.

School, Allentown, Pa. \$100,000. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Board of Education, T. P. Warner, Secretary, Allentown, Pa. Brick, 2½ stories, slag roof, (heating, plumbing and electric work, separate bids), concrete floors. Owners taking bids, due July 7th. The following are figuring: Ochs Construction Co., Butz & Clader, Geo. H. Hardner, J. Nagle & Son, Ritter & Smith, B. F. Peters & Sons, W. Stein & Bro., all of Allentown, Pa.

Factory, Fleetwood, Pa. \$40,000. Architect, Wayne High, 416 Penn st., Reading, Pa. Owners, Fleetwood Metal Body Works, Fleetwood, Pa. Brick and steel, 2½ stories, 70x110 feet, 299x40 feet, and 14x40 feet, slag roof, steam heating, electric lighting, cement or composition floors. Owners and architect taking sub-bids.

High School, Lehighton, Pa. \$80,000. Architect, E. Z. Scholl, 30 North Sixth street, Reading, Pa. Owners, Board of Education, G. F. Rehrig, secretary, Lehighton, Pa. Brick, 2 stories, 120x130 feet, composition roof, electric lighting, steam heating, slate blackboards, metal lath, concrete fireproofing. Plans in progress.

Twin Residences, Reading, Pa. \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, H. J. and J. H. Selig, Reading, Pa. Brick, 3 stories, 36x60 feet, tin and slate roof, hot water heating, gas and electric lighting. Plans in progress.

Church (alt. and add.), South Bethlehem, Pa. \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Peters Evangelical Lutheran Church, South Bethlehem, Pa. Brick and stone trimmings, 2 stories, slate and composition roof, steam heating, electric lighting, metal lath. Owners taking bids, due July 8th. The following are figuring: W. P. Deuser & Co., Groman Bros. Co., Robert Pfeifle, all of South Bethlehem, Pa.; Forrest F. Speck, H. E. Stoudt, Geo. W. Heller, all of Bethlehem, Pa.; Butz & Clader, Allentown, Pa.

Sunday School and Parsonage, Ardmore, Pa. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, First Presbyterian Church, Ardmore, Pa. Stone, 2 and 2½ stories, 60x115 feet, slate roofs, tile work,

(heating and electric work reserved). Architects taking bids, due July 12th. The following are figuring: Freund-Seidenbach Co., Bulletin Building; A. L. Fretz & Sons, 1222 Chancellor street; E. E. Hollenback, Fifteenth and Race streets; F. L. Hoover & Sons, 1023 Cherry street; J. B. Flounders, 1329 Arch street; Thomas C. Trafford, 1613 Sansom street; W. Harry Roberts, P. O. Ardmore, Pa.; Frank R. Heaven, Norristown, Pa.; Gray Bros., Rosemont, Pa.

Manse, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Tully Memorial Presbyterian Church, Sharon Hill, Pa. Stone, hollow tile and plaster, 2½ stories, 30x60 feet, slate roof, electric lighting, hot water heating, oak floors. Revised plans completed. Architects will take bids in a few days.

Residence, Ambler, Pa. Architect, Wesley Mullin, Maple Glen, Pa. Owner, Harold G. Knight, Witherspoon Building, Philadelphia. Hollow tile and plaster, 2½ stories, 42x32 feet, shingle roof, electric lighting (heating reserved). Architect taking bids, due July 10th. James B. Flounders, 1329 Arch street, Philadelphia, is figuring.

School (alt. and add.), Lima, Pa. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Middletown Township Board of Education, Lima, Pa. Brick, 2 stories, 97x26 feet, shingle roof, slate blackboards, dampproofing, metal lath (heating, plumbing, electric work separate bids). Owners taking bids, due July 7th. J. B. Flounders, 1329 Arch street, Philadelphia, is figuring.

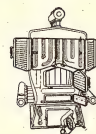
Residence and Garage, Merion, Pa. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owner, John P. L. Braun, Real Estate Trust Building, Philadelphia. Stone, 2½ stories, 60x117 feet, tile or slate roof, heating not decided, electric lighting, tile work, hardwood floors. Plans in progress. Architects will take bids in about one month.

Residence (alt.) and **Garage**, Malin Hall, Chester County, Pa. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Mrs. W. C. Quick, care of architect. Consists of general alterations to interior of residence, 4 new bath rooms, tile work; garage, 1 story, 30x20 feet, shingle roof, installation of heating and lighting plant. Architect taking bids, due July 8th. Gaffney Const. Co., 1637 Poplar street, and J. D. Fisher, 5718 Market street, Philadelphia, are figuring.

Pennsylvania Contracts Awarded

Store Building, Reading, Pa. Architect, Wm. A. Pink, 426 Franklin street, Reading, Pa. Owner, Harry Zable, Reading, Pa. Brick, 4 stories, 45x116 feet, slag roof steam heating, electric lighting. Contract awarded to H. J. Pick, 615 North Eleventh street, Reading, Pa.

== MILLS ==



"Guarantee"

We stand back of our Boiler.

They will do everything we claim for them.

Send for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked 13/16" x 2 1/4" and 3 1/4" face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS

Commonwealth Bldg. - Philadelphia

Fair Buildings, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Reading Fair Co., W. A. Sharp, chairman, Reading, Pa. Hollow tile and steel, Poultry Building, 60x100 feet; Manufacturing Building, 60x100 feet, asbestos or slag roof. Contract awarded to Charles H. Schlegel, 2204 Perkiomen street, Mt. Penn, Reading, Pa.

School Building, Shoemakersville, Pa. \$18,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Board of Education of Perry Township. Brick, 2 stories, 73x69 feet, slate roof, hot air heating, electric lighting, slate blackboards. Contract awarded to Houtp & Rentz, Wyomissing, Pa.

Storage Building, Reading, Pa. \$8,000. Architects, Muhlenberg Bros., Reading, Pa. Owners, Chas. Evans Cemetery Co., Reading, Pa. Stone, 1 story, 34x102 feet, tile roof, electric lighting. Contract awarded to H. J. Raudenbush, Reading, Pa.

Mill (add.), Reading, Pa. \$25,000. Architects, Muhlenberg Bros., Reading, Pa. Own-



TO MEET THE INCREASED DEMAND
 we have just completed another large lot of our 1915 Model
"Sterling" Convertible Builders' Levels
 and we are again in position to make IMMEDIATE DELIVERIES.
 The new TIME-**SAVING FEATURES** are **WORTH INVESTIGATING**, and
 you are invited to visit our **Factory** and examine the most **PRACTICAL SERVICE-
 ABLE** and **EFFICIENT Level Made!**

WARREN-KNIGHT COMPANY

Factory and Salesroom

136 N. TWELFTH STREET

PHILADELPHIA
"World's Greatest Workshop"

ers, Carpenter Steel Co., Reading, Pa. Brick and concrete, 1 story, 66x177 feet, asbestos roof, electric lighting, concrete floors. Contract awarded to L. H. Focht & Son, Reading, Pa.

Silk Mill (add.), Marcus Hook, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Viscoe Co., Marcus Hook, Pa. Brick and reinforced concrete, Weave Shed, 1 and 2 stories, 153x423 feet; Carpenter Shop, 2 stories, 47x73 feet, slag roof, metal frames, and sash, (steamheating and electric work reserved). Contract awarded to Wm. Provost, Jr., Chester, Pa.

Residence, Wynnewood, Pa. Architect, H. B. Peterson, 34 South Seventeenth street, Philadelphia. Owner, Mrs. M. DeM. Smith, Wynnewood, Pa. Stone, 2½ stories, 35x68 feet, shingle roof, hot water heating, electric lighting, oak floors. Contract awarded to Alfred James, Bala, Pa.

School Building, Bath, Pa. \$25,000. Architect, A. Leh, South Bethlehem, Pa. Owners, Board of Education, Bath, Pa. Brick, 2 stories, 36x64 feet, slag-roof, metal lath, slate black-

boards (heating, plumbing and electric work separate bids). Contract awarded to Stout & Nerdinger, Bethlehem, Pa.

High School (add.), Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Board of Education, Bethlehem, Pa. Brick, 1 story, 88x63 feet, slag roof, electric lighting. Contract awarded to Butz & Clader, Allentown, Pa.

Bridge, near Fricks Lock, Pa. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad St. Station, Philadelphia. Reinforced concrete, 581 feet long. Contract awarded to James McGraw Co., Commercial Trust Building.

Residences and Gargages (3), Bryn Mawr, Pa. \$45,000. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owners, Frank Mauran, Land Title Building, Philadelphia. Stone and stone and plaster, 2½ stories, 25x58 feet, 50x53 feet, and 42x49 feet, shingle roofs, oak floors, electric lighting. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

New Jersey

Contracts Awarded

Church (alt. and add.), Haddonfield, N. J. Architects, Harris & Richards, Drexel Building Philadelphia. Owners, First Presbyterian Church-Haddonfield, N. J. Stone, terra cotta and concrete, consists of new Belfry Tower and interior alterations, flat tile and romposition roof, dampproofing. Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Hosiery Mill, Eighth and Spruce streets, Camden, N. J. \$10,000. Architect, W. U. Jury, Shamokin, Pa. Owner, W. F. Taubel, Inc., Riverside, N. J. Brick, 3 stories, 50x150 feet, slag roof, steam heating, electric lighting, elevators. Contract awarded to Hugh B. Miller, Edgewater Park, N. J.

School Building, Collingswood, N. J. \$25,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Board of Education, Collingswood, N. J. Brick, stone trimmings, 2 stories, composition roof, metal lath, concrete floors, safety treads, (heating, plumbing and electric work, separate bids). Contract awarded to Wilbert R. Titus, Woodbury, N. J.

Residence, Wenonah, N. J. Architects, Morris & Erskine, Crozer Bldg., Philadelphia. Owner, Mrs. Geo. Austin Little, Wenonah, N. J. Brick, frame and plaster, 2½ stories, 58x38 feet, shingle roof, (heating, plumbing, lighting, tile and electric work reserved). Contract awarded to J. S. Rogers Co., Moorestown, N. J.

Miscellaneous Construction News

Club House (alt. and add.), Wilmington, Del. \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Knights of Columbia, Wilmington, Del. Brick, 3 stories, 40x70 feet, slag and tin roof, steam heating, electric lighting, composition flooring, tile work, bowling alleys. Plans completed. Architect ready for bids.

Office Building, Ninth and Orange streets, Wilmington, Del. \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Perpetual Saving and Loan Association, Wilmington, Del. Tapestry bricks, and terra cotta, 3½ stories, 20x60 feet, slag roof, steam heating, electric lighting, tile work, oak floors, metal lath, dampproofing. Plans completed. Architect ready for bids.

Realty Building, East Newmarket Md. \$20,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Trade, East Newmarket, Md. Brick, 2 stories, 60x100 feet, slag roof, steam heating, electric lighting. Plans completed. Owners ready for bids.

Apartment House, Wilmington, Del. Architects, E. L. Rice, Jr., Co., 815 Market street, Wilmington, Del. Owner, name withheld. Brick and steel, 4 stories, 49x101 feet, slag roof, vapor heating, electric lighting, tile work, hardwood floors, metal lath, electric elevator. Architects taking bids. The following are figuring: W. D. Haddock & Co., 804 Orange street; A. S. Reed & Bro. Co., 815 Shipley street; J. E. Healy & Son, 707 Tattall street; J. A. Bader Co., Dupont Building; Charles J. Dougherty, 1809 Lincoln street; George S. Charles, 1109 Lincoln street, all of Wilmington, Del.

High School (add.), Wilmington, Del. \$135,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, High School Building, Wilmington, Del. Brick and terra cotta, 4

NEW JERSEY Construction News

Wagon Factory, Fifth street above Market street, Camden, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, E. & R. Preisendanz, 15 Market st., Camden, N. J. Brick and reinforced concrete, 4 stories, 96x100 feet, slag roof, steel sash, fire doors, waterproofing, reinforcing bars, (elevators, steam heating, electric lighting, sprinklers reserved). Architect taking bids, due July 7th. The following are figuring: Turner Concrete Steel Co., 1713 Sansom street; H. E. Baton, Twelfth and Sansom streets; Bardley White & Co., Perry Building; Stacy Reeves & Sons, 2011 Market street; Cramp & Co., Denckla Building, all of Philadelphia; Frank Turner, 828 Broadway, George Bachmann, 19 North Thirtieth street; J. W. Draper, 436 Haddon avenue, all of Camden, N. J.

Schools (5), (alts. and adds.), Birmingham, Lisbon, Browns Mills, Whitesburg, Magnolia, N. J. \$12,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, School Board of Pemberton Township, Pemberton, N. J. Consists of general alterations and additions. Plans in progress. Architects will take bids in one week.

Court House (alt. add.), Tom's River, N. J. \$30,000. Architects, J. C. and G. A. Delatash, Red Bank, N. J. Owners, Ocean County Board of Chosen Freeholders, W. L. Butler, chairman, Bearh Haven, N. J. Brick and stucco, 1 story, 40x50 feet, tin roof, damp-proofing, reinforcing bars, fire doors, (heating plumbing and electric work separate bids). Owners have received bids.

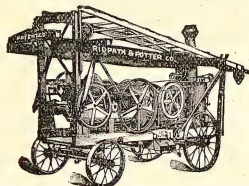
Residence, Merchantville, N. J. Architect, Walter Thomas Mayo, 1701 Chestnut street, Philadelphia. Owner, name withheld. Frame, 2½ stories, 25x30 feet, shingle roof. Architect taking bids. The following are figuring: M. T. Jamar, Merchantville, N. J.; W. H. Smith, Westville, N. J.; J. R. Oliphant, Collingswood, N. J.

Cottages (60), Haskell, N. J. Architect, private plans. Owners, du Pont Powder Co., du Pont Building, Wilmington, Del. Frame and plaster, 2½ stories, 20x23 feet each, shingle roof, electric lighting (heating reserved). Owners have received bids.

Nurses' Home, Ancora, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, Camden County Commissioners, care of Frederick Fries, Haddon Heights, N. J. Brick, 2 stories, 52x56 feet, slate roof, steam heating, electric lighting, oak floors, tile work, metal lockers. Owners taking bids, due July 12th. The following are figuring: James W. Draper, 436 Haddon avenue; Barklow & Fulton, 506 Cherry street; Frank Turner, 828 Broadway, all of Camden, N. J.; Fred Lange, Audubon, N. J.; Royden Lippincott, Stratford, N. J.; H. Kirk Spear, Hammonon, N. J.

SURE.

Stick to your work, forget the mob
 Avoid the discontented throng;
 For, if you're always on the job
 Success is sure to come along.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

stories, 85x183 feet, slag roof, metal lath, waterproofing, dummy-waiter, slate blackboards, iron stairs, concrete floors, reinforcing bars, tile work, concrete floors, (heating and electric work, separate bids). Owners taking bids, due July 12th. The following are figuring: A. S. Reed & Bro. Co., 815 Shipley street; W. D. Haddock & Co., 804 Orange street; J. A. Bader Co., Dupont Building; J. E. Healy & Son, 707 Tatnall street, all of Wilmington, Del.; H. E. Baton, Twelfth and Sansom streets; Geo. F. Pawling Co., Broad

and Vine streets; Henry L. Brown, 1714 Sansom street, all of Philadelphia. **Hospital Building**, Alliance, Ohio. \$85,000. Architect, Willard Hirsh, Cleveland, Ohio. Owners, City of Alliance, Ohio. Brick, terra cotta, concrete and steel, fireproof, 3 stories, consists of 2 wings, 49x107 feet each, 3 stories, consists of 2 wings, 49x107 feet each, gravel roof, terrazzo floors, iron stairs, steam or vapor heating, metal lath. Contract awarded to James H. Wells, Heed Building, Philadelphia.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

B. L. Carroll (O). Cost, \$60,000. Forty dwellings, brick and, 2 stories, slag roof, hot water heating, 15x33 feet, Fifty-ninth and Vine streets.

Henry Schmidt (O), 3411 Richmond street. Cost, \$1,600. Dwelling, brick, 15x22 feet, slag roof, 3411 Richmond street.

Jos. A. Allen (O), 6318 Bainbridge street. Cost, \$52,000. Twenty-six dwellings, brick and stone, 16x32 feet, 1000-50 South Fifty-sixth street.

J. Smith (O), 4621 Frankford avenue. M. Schmener (C), 4621 Frankford avenue. Cost, \$1,800. Dwelling, brick and frame, 2 stories, 14x42 feet. Comly street and Edrich street.

B. Libinsky (O), 4430 Edgemont street. Cost, \$8,600. Five stores and dwellings, brick, 2 stories, 16x40 feet, slag roof, 4454-62 Edgemont street.

Miss R. Byran (O), Domino lane. John J. Hurley (C), 4416 Cresson street, Manayunk. Cost, \$2,400. Dwelling, brick, 2 stories, 16x42 feet, tin roof, Wilde street and Hermitage street.

Harry Green (O), 1511 South Fifth street. Herman Beckershoff (C), 5156 Haverford avenue. Cost, \$68,400. Thirty-six dwellings, brick, 2 stories, 16x33 feet, Felton and Locust streets.

Samuel Schultz (O), 3113 West Montgomery avenue. Cost, \$22,400. Fourteen dwellings, brick, 2 stories, 15x24 feet, Marshall and Indiana avenue.

Mitchell Lodge Hall Association (O), 5425-

27 Germantown avenue. Geo. C. Fossel (C), 128 East Cheltenham avenue. Cost, \$10,000. Stores and hall, brick, 3 stories, 54x30 feet, 5425-27 Germantown avenue.

E. A. Biester (O), 1410 Susquehanna avenue. Geo. W. Steward Co. (C), 2133 Germantown avenue. Cost, \$8,000. Two dwellings, brick, 3 stories, 17x46 feet, 1410 Susquehanna avenue.

Jos. C. & Roy Heyman (O), Land Title Building. Cramp & Co. (C), Denekla Building. Warehouse, brick, 8 stories, 47x120, 253-53 North Broad street. Cost, \$95,000.

Geo. W. Shissler (O), 2300 South Eleventh street. Cost, \$55,600. Fifty-four stores and dwellings, brick, 2 stories, 14x26 feet, 2600 Fairhill streets.

Elwood Barrett (O), 538 Walnut lane. Cost, \$5,600. Two dwellings, brick and stone, 2 stories, 26x29 feet, slate and tin roof, Walnut lane and Haughton street.

John H. McClatchy (O), Land Title Building. Cost, \$6,000. Residence, stone, 3 stories, 37x26 feet, 5215 Overbrook avenue.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.
BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your
Roof Leak?

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work
Flooring
Cabinet Work

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.
Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa.; 210 Fulton Street, New York City
92 and 94 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., JULY 7, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzigier.

Editorial Comment

There appeared in the pages of "The Guide" some issues back certain references to an article by F. W. Fitzpatrick dealing with the subject of "Professional and Other Incompetence." This article was based upon a paper which was published in the first place in "The Real Estate Magazine," and which purported to relate the trials and tribulations of a Western investor. "The Guide" in its comment upon the Fitzpatrick article took the ground that professional incompetence was so rare as to be practically a negligible quantity and could be charged in any event to the owner's lack of good business foresight, there being in no city of considerable size any scarcity of thoroughly competent and perfectly reliable architects.

The reply made to the Fitzpatrick article by the "Journal of the American Institute of Architects" coincides so neatly with the point of view taken by "The Guide" that we are moved to refer to it here for the benefit of those building owners who may have gathered a misleading impression regarding the points at issue.

"Lives there a man who has not visited his indignation, in a moment of wrath, upon some profession or other?" comments the "Journal of the Institute." "We fancy not. The temptation at certain moments is far too great, and the outburst too completely satisfying. One seems to feel, after having delivered that particular curse, that one has made a great social and economic discovery. At last all the cobwebs have been swept away, and the whole miserable fraternity are exposed to the light of a righteous indignation and a perception which has at last pierced the sham. One flatters oneself upon an epoch-making discovery, the effects of which may not even be forecast. But somehow or other, the professions still increase and multiply. The world listens but does not hear.

"Most of us are at times given to sarcastic allusions to some one or other of the callings which frequently appear to prey upon us, and try our sense of justice beyond the breaking point, and the men who fly to the public press as a means of more completely airing their grievances against the professions are not by any means small in numbers.

"In the 'Real Estate Magazine' one may read a particularly venomous attack upon the architectural profession. We opine that the excess of venom will cause it widely to overshoot the mark, for nothing rouses the sense of justice so much as a vulgar tirade. In this particular article, the owner of a hotel in the city of Minneapolis condemns the whole profession of architecture in language which is at once the most conspicuous compound of ignorance and bad taste which we have come across in some time. We do not attempt to pass upon the merits of the particular question, nor to resent anything except this sweeping denunciation of architects.

"Incompetence is indefensible. Professional incompetence exists wherever any profession is practiced. Incompetence runs riot through every walk of life, in every trade and calling; many of us have suffered from the peculiarly trying incompetence of that class of men to which the writer of the article in question belongs. But we may still agree that hotels are necessary and not to be abolished because of the shortcomings of one man.

"A little thought will convince even the most bitter of men, provided he has a modicum of reason in a lucid moment, that professional incompetence thrives upon public incompetence. Behind the incompetent in any profession will be found the incompetent man who is paying the bills. He is, perhaps, too ignorant to know better. He picks his doctor, lawyer, architect, engineer with a great and rather pitiable faith that the title implies qualification. On the other hand, there is the incompetent individual who encourages incompetence by deliberately buying it. Unwilling to concede that the worker is worthy of his hire, he bargains on the basis of fee or price. In employing an architect he not only refuses a remuneration which will permit the architect to give his full service, but he also frequently imposes upon a half dozen men to the extent of obtaining free sketches and rough plans. Playing one against the other, and relying upon their various degrees of necessity, he finally drives the bargain which appears to him to be the best. He has merely bought and paid for an incompetent servant. These poor devils never get a chance to lift their heads above water. Capable, perhaps, of giving competent service if given half an opportunity, they continually find themselves so financially embarrassed that they are at the mercy of every scheming seeker for their services. Their incompetence is perpetuated by these schemers and bargainers, who merely comprise another race of incompetents. The thing runs through our social and economic fabric, as the law of prey runs through the animal kingdom.

"There is, of course, the more exceptional incompetent who is so clever that he is long in being discovered, and who waxes fat in the meantime. But he can be avoided if one will take the trouble.

"To what degree is incompetence fostered by the educational systems through which men and women enter the various professions? To what degree is incompetence allowed to experiment upon the public by reason of that premise which assumes that the ability to secure work confers the right to practice? How far has incompetence been encouraged by either the desire or the necessity of obtaining a remunerative practice within the shortest possible space of time, and at a period when the ramifications of every profession are becoming so increasingly extensive that it can scarcely be true that the preparatory stages

may be made less and less thorough? And last, but by no means least, what is the degree of incompetence due to the selection of a profession as a mere means of livelihood and nothing more? No study of professional incompetence would be complete unless it included all of these phases—a long, difficult, and perhaps impossible accomplishment.

"But the answer of the incompetent public, disappointed in a particular instance, is ever the same. The profession, whichever one it may happen to be, is wholly at fault, and all of its members are included in the sweeping anathema which the disappointed buyer sows broadcast. It has always been so. Probably it will always be so. It is sure to be so as long as we have no higher standard, and no better understanding, of the professional relation, or as long as the present economic system deludes people into the belief that the price of a thing represents its cost.

"The reverse of the picture is quite true, since competent men are continually seeking their kind. The competent man is not deluded by any magical quality of title, and wishes to know something of the man who stands behind it. He engages professional services on some other basis than that of price, or a mere social relation. To him, the selection of an architect is perhaps the least difficult of his problems, for of all works which are writ so large that all men may read, that of the architect is surely not the least. It requires no extraordinary mental powers to make a judicious selection of the man who is to be given charge of an important building operation. One has only to lay sentiment aside, and cast loose from the thought of trying to secure service for less than it costs the architect to give it. Those are the two popular delusions which operate to befog the owner. It is through them that architectural as well as all other forms of professional incompetence drag out their miserable existence,—a tax upon those who buy, upon those who sell, and a dead weight hung about the neck of society.

"The deplorable feature, so far as any profession is concerned, is that the most honorable, upright and conscientious practitioners are forced to pursue their task of trying to raise the standard of the profession, while enduring and combating the opprobrium called down upon them by their incompetent brethren. But such is the very reason why professional standards rise so slowly,—it is sometimes amazing that they are able to rise at all. The one remedy is a higher standard of personal responsibility, quite as much to the employee as to the employer, and a different conception of the relation of any work to life itself.

"In his answer to the article to which we have reference, and which appears in the 'Real Estate Magazine,' Mr. Ackerman (M) seems to sum up the whole matter in a very few words:

"There are in the profession many men possessing ability, integrity, and sincerity of purpose, whose aim in life is to raise the practice of architecture to the highest level. It rests absolutely with the clients to say whether these men shall be rewarded for

these qualities and assisted in their effort. Such reward and assistance every owner can contribute to architecture; this much he can do toward maintaining and elevating the standards of the profession."

"To such an attitude on the part of a steadily increasing number of clients every competent professional man and woman is extending a hand of grateful welcome."

If it be urged that because of a stray incompetent here and there a whole profession is to be indicted as unequal to its opportunities, no profession may be said to be immune. There are incompetents in all lines—even among building owners, as the stupidity shown by the Minneapolis gentleman in picking his architect, goes to prove.

* * *

We were talking here recently, in the pages of 'The Guide' about the irresponsible bidder. Mr. J. F. Schmidt discusses this subject in 'The Contractor and Builder' from the honest builder's point of view. His conclusions will, we feel sure, be read with interest by those of our readers who have been following the comment we have devoted to this topic from time to time.

"When competitive bids for the construction of buildings are opened we find many new men in line with bids to present," writes Mr. Schmidt. "The experienced men in construction business are falling off in number; many have given up in despair or have been forced to surrender unconditionally on account of the present system, under which profits to a contractor are practically impossible. The men who get the bulk of the work now are in most every instance beginners, men who have never served an apprenticeship in any trade and in most cases are in a position to care little about loss because from this evil they are immune, having nothing to lose.

"This subject has appeared in the builders' journals at different times and was at one time discussed by the architects in meeting of their association, but up to this time no effective remedy has been suggested, and if suggested, it has not been put into practice. Shall the contractors wait until the architects, through mercy, work out the problem for them by reason of the trouble our architects find in getting the buildings up in good order and bills paid, or will the contractors work out their own salvation by following the examples set by other industries and professions?

"The position of the contractors is at this writing such as requires united action. When a bid is made up, based upon some of the contingencies which may arise during the construction of a building and such a bid is in competition with one not based upon any contingencies, the former bid is, of course, from 10 per cent. to 15 per cent. the highest and is sure not to be accepted by the owner. The specifications are always so drawn that the contractor is entirely at the mercy of the owner except in cases where the architect is of such a character that he will insist upon justice, in preference to the owner's good will.

"One would imagine that an architect,

when called upon to decide a question at issue between the contractor and owner, would see his own advantage first and lean to favor the owner because of his future work (there are plenty of contractors anyway). Some years ago this leaning on the part of the architect was perceptible, but the reputable architect of to-day has taken a different attitude. This must be attributed to the association and is therefore a splendid example for the contractor. A contractor of experience and substantiability can foresee many pitfalls in the business, knowing that a mishap or mistake, no matter who is morally or legally responsible, will interrupt the work and lead him into complications and money loss. It does not matter who made a mistake, the contractor is supposed to rectify it, if it is necessary to do so in order to be able to deliver a completed building and keep in good standing.

"A contractor of no experience and of no responsibility does not foresee danger, neither can he lose what he does not possess. He is the more liable to bid low, and as the work invariably goes to the lowest bidder, the most work is done by this class, which adds trouble for the architect, encourages litigation, creates bankruptcies, and loss to the owner—loss to the owner because repairs are often necessary soon after completion of the work.

"You say that the contractor should give a surety bond. Can you recall many cases where the surety company is liable? If they were, they would not write bonds so freely. You say that the contractor should carry liability insurance. Do all contractors know that an insurance company is not liable where the contractor has not complied with the statute? How many contractors have time to read the statute? Here again the class of contractors, who are such a detriment to sound business, have no reason to care what the statute is. Under the laws of Illinois, Wisconsin, Ohio, and several other States, it is necessary for the contractor to build a scaffold for work which was formerly done in the air. And it is necessary that a scaffold has a slatted or solid sailing and still if an accident occurs, the contractor is liable. Can such a contractor bid in competition with one who by reason of his lacking financial ability is not liable in any event?

"Cost of bidding is an expense, which in the writer's office amounts to one-tenth of one per cent. of the cost of the buildings figured annually, and this does not include railroad fare. At this rate, with an average of ten bidders to a job, the waste on all of the work for which contracts are let is one per cent. and is greater when adding the cost where contracts are not let. It is possible for an owner to get a long list of bids and sub-bids, whether the work is let or not.

"A remedy for the present evils can be effected by an association, and that will be done sooner or later, even if the architects must bring it about. These men have, through their association, bettered their conditions very materially. If the contractors wish in their own field to save their business, they will find it necessary to have some protection which is more effective than anything

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



they have had. They will find it necessary to work together with the architects and support the high standard advocated by them.

"Had the brickmakers in Chicago been without an association this year, they would have lost their business.

"One suggestion for a remedy may be made which if worked out by contractors, may again build up a standard. When the owner invites bids, he should agree to pay for them. This would lead to care on his part as to the class invited and would cost him no more in the end. Under the present system the estimating is not and cannot be done free of charge. The cost is added to the bid, but there is no inducement for the best men in the business to respond to an invitation. If a fee of one-fourth of one per cent. were paid to the person making the lowest bid and a smaller fraction to each of the others, this would have a tendency to limit the bidders who make all the trouble and cause so much waste. It would create a better and happier condition for the owner, architect and builders.

"It might enhance the health of men operating the legal machinery, who could be sent on a vacation, would result in better structures and be the means of a considerable saving in cost. If the contractors do not themselves benefit by the lesson set by other organizations and do not make an effort to work out their own salvation, then they can only charge the blame for the present adverse conditions to themselves."

* * *

At the convention of the National Association of Builders' Exchanges held at Columbus, Ohio, early in the year, one of the notable addresses was that made by the Hon. Frank B. Willis, newly elected Governor of the Buckeye State. Among the striking chapters

in Mr. Willis' address was this deftly phrased tribute to the builder and architect:

"It has occurred to me that this organization, made up of representatives of many of the States, will certainly be able to make some contributions not only toward the erection of better material structures, but also toward the general benefit of society. I think that the men who build better homes for the people are upbuilders of the race and public benefactors. The kind of houses in which we live and our environment have a tremendous influence upon our national and civic life. The character of a people is shown by the kind of buildings it erects. For instance, in India the architecture suggests mystery; in Egypt, power and majesty; in Greece it is beauty and symmetry; in the Gothic art of Europe, an enlivened sense of religious devotion. Of what does our architecture speak? One thing it suggests is comfort, another convenience, and still another utility. The ordinary man nowadays can live in much greater comfort than the rich knight and lord of one hundred years ago."

* * *

The subject of the architectural and artistic possibilities of modern brick is not a new one. One of the show pieces at the Panama-Pacific Exposition is the brick court in the Palace of Varied Industries. We are indebted to the San Francisco "Architect and Engineer" for the appended note on the beauty and originality obtained by the artistic use of brick in this structure.

"The brick court in the Palace of Varied Industries at the Panama-Pacific International Exposition at San Francisco," says "The Architect and Engineer," "is one of the interesting objectives of the daily sight-seeing pilgrimages which include this exhibit place in their itinerary.

"Pausing at this place, the thousands of visitors from far and near behold a revelation of the artistic possibilities that lie in the combination of bricks of varied finishes and colors, besides seeing a practical exhibit of the various structural features of a house that can be built from brick giving the satisfactory, composite result of substantiality, comfort and pleasing appearance.

"The entire floor, the three walls, the fireplace in the background with its mantel and hearth, the four corner columns of the structure, and an ornamental column in the foreground are all creations in brick of varied styles, colors and patterns.

"The walls are the result of a continuation of panels, each distinctive in color and pattern and made of brick in every instance, but are united according to a plan that makes a harmonious, artistic, general effect. Suggesting the appropriate style of roofing for a building of this character, eaves of red tiling are used."

* * *

"The Guide" has contended for years that the use of texture brick, decorative tile and poly chome terra cotta are as yet but in its infancy. There will be a day in the years ahead when effects comparable to the beauties of the rarest rugs will be wrought out of the

intelligent use of these wonderful mediums. The court in the Palace of Varied Industries is interesting as a sample of what may be expected when designers grasp to the full the amazing possibilities of building in color.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., June 22, 1915.—Sealed proposals will be opened in this office at 3 p. m., August 16, 1915, for the construction (except mechanical equipment, elevator, lifts, and dumb waiter) of the Immigration Station at Baltimore, Maryland, including pipe tunnels, approaches and wharf. One four-story, one three-story, and two two-story buildings of fireproof construction, with slate, tile and composition roofs; brick faced, with stone base; stone and terra cotta trimmings; approximately 45,000 square feet total ground area. One wharf 25 feet by 260 feet; wood construction. Drawings and specifications may be obtained after July 9, 1915, from the Commissioner of Immigration, Baltimore, Maryland, or at this office at the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 1, 1915.—Sealed proposals will be opened in this office at 3 p. m., August 13, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of a one-story and basement stone-faced building of 4,000 square feet ground area, fireproof construction, composition roof, for the United States post office at Gardiner, Me. Drawings and specifications may be obtained from the custodian of site at Gardiner, Me., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 1, 1915.—Sealed proposals will be opened in this office at 3 p. m., August 12, 1915, for the construction, complete (including mechanical equipment [except lighting fixtures] and approaches), of a one-story-and-basement, brick-and-stone faced building of 6,300 square feet ground area, partly fireproof construction, composition roof, for the United States post office at North Attleboro, Mass. Drawings and specifications may be obtained from the custodian of the site at North Attleboro, Mass., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

Alterations and Additions

Jos. C. Dreihelbis (O), 2037 Cheltenham avenue. Melver Const. Co. (C), Heed Building. Cost, \$1,150. Store and dwelling, 2037 East Cheltenham avenue.

Estate of Jas. Spear (O), 325 Chestnut street. Thos. L. Keefer (C), 1321 Rodman street. Cost, \$11,000. Store, 1014 Market street.

A. T. Brown (O), 628 Spruce street. S. C. Brown Heating Co. (C), 24 South Seventh street. Cost, \$1,000. Dwelling, 625 Spruce street.

Daniel Baugh (O), Sixteenth and Walnut streets. A. H. Williams Sons (C), 419 Locust street. Cost, \$1,500. Garage, Sixteenth and St. James streets.

Wm. S. Kean (O), 204 South Fifty-second street. Geo. A. Boyd (C), 211 East Willow Grove avenue. Cost, \$1,700. Store and dwelling, 204 North Fifty-second street.

Chas. Bielinsky (O), 326 Walnut street. Cost, \$3,600. Dwellings, 1735-39-41-43 South Thirteenth street.

Charles Roth, Jr. (O), 3603 North Eighth street. Cost, \$1,000. Garage, Eighth and Venango streets.

P. & R. RR. Co. (O), Twelfth and Market streets. Britton & William (C), 127 East Cheltenham avenue. Cost, \$600. Dwelling, Summitt and Prospect avenues.

Board of Education (O), Land Title Building. E. Clifford Durrell (C), 1713 North Twenty-fourth street. Cost, \$5,000. School, Lawrence and Master streets.

Board of Education (O), Land Title Building. E. C. Durrell (C), 1713 North Twenty-fourth street. Cost, \$4,000. School, Marshall and Dickinson streets.

Board of Education (O), Land Title Building. E. C. Durrell (C), 1713 North Twenty-fourth street. Cost, \$10,675. Fifth and Snyder avenue.

W. B. Johnson (O), 4039 Lancaster avenue. Cost, \$600. Garage, 6133 Hassan street.

Alvan Garage (O), 335 South Twentieth street. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$6,000. Garage, 335 South Twentieth street.

Frank & Sedar Co. (O), Eleventh andarket streets. Standard Const. Co. (C), Drexel Building. Cost, \$15,000. Store, Eleventh andarket streets.

John H. McClatchy (O), Land Title Building. John T. Sanders (C), Land Title Building. Cost, \$800. Garage, 5217 Overbrook avenue.

John H. McClatchy (O), Land Title Building. John T. Sanders (C), Land Title Building. Cost, \$1,600. Two garages, 5208-09 Overbrook avenue.

The Penna. Co. (O), 517 Chestnut street. Phila. Bill Posting Co. (C), 814 Walnut street. Cost, \$50. Fifth and Cuthbert streets.

Princeton Club of Phila. (O), 1521 Sansom street. Thos. C. Trafford (C), 1613 Sansom street. Cost, \$7,000. Club house, 1223 Locust street.

Max Balk (O), Mascher and Master streets. P. Haibach Co. (C), Twenty-sixth and Thompson streets. Cost, \$900. Saloon and dwelling, Mascher and Master streets.

University of Penna. (O), Thirty-sixth and Spruce streets. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$1,400. Hospital, Thirty-fourth and Spruce streets.

L. & J. Klebe (O), 1109 West Dauphin street. Cost, \$4,000. Garage, Twelfth and Dauphin streets.

Carmino Corba (O), 302 North Sixty-fourth street. Carmino Mattia (C), 302 North Sixty-fourth street. Cost, \$900. Dwelling, 302 North Sixty-fourth street.

Estate of S. B. Fotherall (O), 1937 Chestnut street. P. T. Mercer Co. (O), 1706 De-

loncey street. Cost, \$13,000. Dwelling, Twentieth and Chestnut streets.

Boffaile Castano (O), 1222 South Thirteenth street. N. DeMaveo (C), 1524 South Hicks street. Cost, \$500. Store and dwelling, 1222 South Thirteenth street.

Board of Education (O), Land Title Building. Standard Const. Co. (C), 822 Drexel Building. Cost, \$6850. School, Eleventh and Thompson streets.

A. Stoudt (O), 3520 Spring Garden street. A. Bottols Sons Co. (C), 41 South Fifteenth street. Cost, \$800. Dwelling, 3520 Spring Garden street.

David M. Ellis (O), 701 Brown Building. Chas. E. Bell (C), 223 S. American street. Cost, \$550. Storage building, 211 South American street.

Chas. M. Ghriskey (O), 506 Commerce street. Burrell Heating Co. (C), 1120 Walnut street. Cost, \$750. Dwelling, 3890 Locust street.

W. V. Smalley (O), Trenton and Tioga streets. Harry Drake (C), 3179 Frankford avenue. Cost, \$1,100. Factory, Trenton and Tioga street.

Jos. McLoughlin (O), Fifteenth and Calverhill streets. Andy Donaldson (C), 2237 Oakford avenue. Cost, \$800. Store and dwelling, Front and Wolf streets.

E. A. Gillinder & Son (O), Tacony, Phila. John F. Davies (C), Heed Building. Cost, \$3,200. Manufacturing building, State road and Devereaux street.

Jacob Sharron (O), 1107 North Fortieth street. B. Klebanoff (C), 1134 North Fortieth street. Cost, \$550. Store and dwelling, 1140 North Fortieth street.

Wm. Steward (O), 2030 South Sixteenth street. Chas. G. Seidel (C), 2524 South Juniper street. Cost, \$1,500. Storage, 2032-36 South Sixteenth street.

Hon. H. A. Davis (O), City Hall. Samuel J. Rea & Sons (C), 1605 Fairmount avenue. Cost, \$700. Dwelling, 105 South Twenty-first street.

H. G. Freeman, Jr. (O), 1514 North Broad street. T. C. Sloan (C), Media, Pa. Cost, \$900. Dwelling, 1513 Park avenue.

QUANTITY SYSTEM OF ESTIMATING.

It is interesting to note from the last "Monthly Letter" of Secretary Sayward, of the Master Builders' Association of Boston, Mass., that progress is being made in that city in the direction of Quantity Surveying, or what may be designated as the Quantity System of Estimating. Something like six months ago a number of general contractors held a meeting to discuss the matter and a committee was appointed consisting of Isaac F. Woodbury, Charles Logue and Arthur W. Joslin to study the question of Quantity Surveying, Standardization of Units and Rules of Measurement.

This committee made its report to the general contractors mentioned, the report formulating a comprehensive set of rules for standardizing of measurements under the following heads: Excavation, Finished Grading and Landscape Work, Drains, Drainage Accessories, Stone Foundations, Concrete Foundations, Stone Ashlar, Concrete Floors, Sundry Concrete Work, Piles, Sheet Piling, Reinforced Concrete, Cut Stone, Architectural Terra Cotta, Brick Work, Structural Terra Cotta, Composite Construction, Frame, Studding, Furring,

Boards, Upper Floors, Screens, Windows, Doors, Shingles, Clapboards, Outside Finish, Architraves, Edge Casings and Window Frame Veneers, Window Stools and Aprons, Stop Beads, Base and Molding, Chair Rails, Dado Capping, Picture Molding, Sheathing, Panel Dados, Fittings and Cabinet Work generally.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

WHY WE DO IT.

Advertise and the world buys of you;
Renig, and you need a loan.
If you never tell what you have to sell,
You'll have troubles all your own.
—'Los Angeles Evening Herald.'

The man who takes the stand that everybody knows his line and that his goods, for this reason, "sell without advertising," is as big a dunce in his way as that other idiot who claims to have "all the business he is able to handle." The best known book that ever was written is the Bible, and it's still advertised by firms who want to sell it. The biggest business ever organized is Standard Oil, but John D. is still reaching out for more.

Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.

EXAMINATION OF CONCRETE FAILURES FOR THEIR DETERMINING CAUSES

The cement and concrete session of the 71th annual meeting of the American Society for Testing Materials at Atlantic City, was one of the most interesting of the meetings. Instead of the time being taken up largely with committee reports, it was devoted to the reading of papers. All previous records were broken in attendance, there being a total of 490. This society is widely recognized in the United States as the final authority for the preparation of standard specifications for the various materials of construction.

R. S. Greenman, in a paper on "The Examination of Concrete Failures for Their Determining Causes," states that concrete is said to be its own best inspector, and it is a well-known fact that defects in concrete will sooner or later make their presence known.

The reasons for poor concrete have been proportioned as being 90 per cent. due to poor workmanship, 8 per cent. due to poor aggregates, and 2 per cent. due to poor cement. These reasons and the additional one of the influence of the water used, are responsible for most of the failures in concrete. These failures are more frequent in smaller than in larger work and the resulting losses are proportionately greater.

To find a reason one must examine all possible causes and must follow up all clues that tend toward disclosing the reason. The design, the quality and proportions of the materials used, the mixing and placing and the care of the finished concrete must all be considered. In making an examination, each case must be treated entirely upon its own individuality; and the right clue will not be found unless the investigator knows good and poor concrete and knows why certain things produce certain results in concrete.

In trying to solve a problem of poor concrete the elements to be investigated are cement, aggregates, workmanship—and water. The common tendency is first to place the blame upon the cement, but if it is found that, in accordance with good and generally common practice, the cement has been tested and has met the standard requirements, the cement then becomes a negligible factor; but if it has not been tested, it must be considered as a possible cause, and it may become a large item in the study. It must be admitted that since so much stress has been laid upon the value of having cement tested before use, and since it must indeed be a small work on which it has not been so tested, the percentage of failures, due to poor cement has been reduced to a very small amount.

The strong and the weak points in both the coarse and fine aggregates have been

too often neglected. The coarse aggregates can usually be judged by easy inspections, but sand or other fine aggregates need very careful examination. The characteristics—such as the grain, the grading, the cleanliness and freedom from organic impurities and excess of loam are items of knowledge which are obtainable mainly in the laboratory, but which are very essential for the correct diagnosis of a concrete failure.

The effect of workmanship is by far the largest factor and in it all others are included, for a poor workman can destroy the value of the best materials. Under the head of workmanship must be considered such items as design, proportions, placing, and actions resulting from heat, frost, electrolysis, etc., which should have been taken care of in the process of making, hardening and preservation.

As another element of importance, it must always be kept in mind that the water which is used in making the concrete, or which may come in contact with it, may prove to be a very influential factor for harmful results.

To illustrate the possibilities of various influences, specific cases are cited showing effects of certain elements upon water, sand and stone and the resulting effects upon the concrete. The effects of poor workmanship are seen in various conditions found in concrete. To find these effects it is also necessary that the investigator shall know how to grasp and to follow up the first indications of there having been anything wrong. Some external influences also cause concrete to fail and the possible relation of these to concrete failures must be considered. For many years all the failures of concrete were considered as being due to the formation of certain chemical relations; but as it is commonly acknowledged at present that an impermeable concrete will stand in sea water as well as elsewhere, although subjected frequently to more severe actions than other concrete, its failures are due frequently to the same causes as those of other concretes and therefore the same examinations should give the same results. Similarly, since electrolysis is considered as a cause for the breaking down of concrete, the liability of concrete being affected by its influence will depend upon whether or not the concrete comes under the influence of an electric current. If it does, then its influence needs to be examined. If it does not, then the examination should also follow the usual method.

The value of laboratory tests and analyses should not be overlooked. While perhaps not giving such definite information as a field inspection, they should be used to the fullest extent to help establish the

strength or weakness of a reasonable theory for the cause of failure. Where time will permit, laboratory tests of concrete made of the aggregates under as nearly as possible the same conditions, will give results that should aid in determining the fault in the original. Test specimens so made and treated should give practically the same results, and when compared with test specimens made under ideal conditions or with standard materials, should give the investigator the reasons for the failure.

All means possible should be used by an investigator in making his examination, and his conclusions must be drawn only after he has considered the failure from every probable cause, with reason and fairness. The object of the examination is either to place responsibility or to guard against future failures, and right conclusions are the only ones that should be drawn if justice to either objective is to be given.

**At the recent convention in Detroit of the National Brick Manufacturers' Association significant action was an agreement upon a national publicity plan involving an expenditure of nearly \$200,000 yearly for the purpose of winning back the markets which brick as a building material has lost to frame, concrete and gypsum construction. A committee of 25 was appointed to secure a fund based on 2 cents per thousand on the total building brick production of the country, and from this committee ten were chosen as sub-committee on plan and scope. Various interesting papers were read and discussions ensued while reports of the president and other officials showed conditions to be of an encouraging nature. One of the special talks was that of Robert Spencer, Jr., of the architectural firm of Spencer & Powers, who discussed "Modern Brick Architecture." This was illustrated by plans and elevations of the model low-cost, fire-resisting residence erected by the clay products industry at the Panama-Pacific Exposition. He explained in detail how it had been made fire-resisting without any appreciable addition to its cost and how the arrangement of rooms was economical and construction costs reduced at various points without detracting from the artistic excellence of the building. A time-honored custom of the association is that when a president retires the first vice-president is elected to succeed him, and this is followed by the moving up of the second and third vice-presidents respectively and the election of a new third vice-president. The result of this arrangement was that the following officials will serve for the ensuing year: President, C. P. Mayer, Bridgeville, Pa.; first vice-president, Chas. J. Deckman, Cleveland, O.; second vice-president, Fritz Salmen, Slidell, La.; third vice-president, Geo. H. Clippert, Detroit, Mich.; secretary, Theo. A. Randall, Indianapolis, Ind.; treasurer, John W. Sibley, Birmingham, Ala.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Auloph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomerooy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York
and Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori-g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.

Brinkmann Bros., 2615 Frankford ave., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange

O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Embossed Wall Covering Co., 880 N. 48th st.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York

and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trus. Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board—Compo.

Howard Ketcham, 3rd & Girard ave., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.

Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.

and 627 Market st., Phila.

Strawbridge & Chase Co., Inc.,
Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

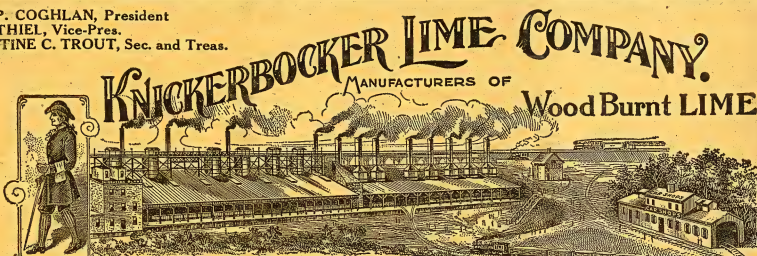
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HYRIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing
compounds containing "Stearates" or other Soaps.
IMPERVITE is not a soap: it is the only compound
which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is
better than two pounds of Soap Compound.

We can send you Official Gov-
ernment Tests and scores of
enthusiastic letters from Users—
but will this SATISFY you?

In order to give you an opportu-
nity to PROVE our claims, we
are willing to send you 25 pounds
of Impervite for \$2.00 (freight
prepaid by us) with the understand-

ing that if it does not prove more
efficient than the compound you
are now using, you will be under no
obligation to pay us. We are willing
to let YOU be the judge Write
to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 28.

PHILADELPHIA, WEDNESDAY, JULY 14, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

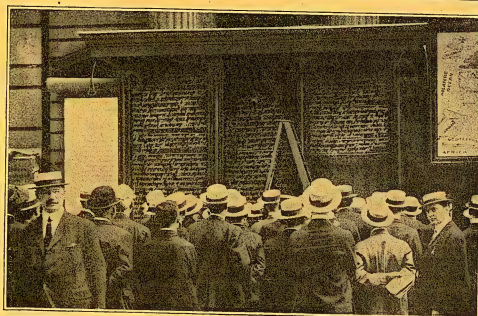
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia

No More Ashes To Lug



No clumsy pan to spill dust and dirt on the kitchen floor

The Glenwood Ash Chute

solves the problem. It is located just beneath the grate and connected by a sheet iron pipe straight down through the kitchen floor to ash barrel in cellar. No part is in sight. Not a particle of dust can escape. Just slide the damper once each day and drop the ashes directly into the ash barrel.

The Dust-Tight Cover

to barrel is another entirely new Glenwood Idea and is very ingenious. This is only one of the splendid improvements of the new plan

Cabinet Glenwood

the Range without ornamentation or fancy nickel. "The Mission Style" Glenwood. Every essential refined and improved upon. This Range can be had with the latest and most improved Elevated or End Gas Range attachments. It can be furnished with fire box at either right or left of oven as ordered. Our handsome booklet tells all about it.

The Cabinet Glenwood

Made by Weir Stove Company, Taunton, Mass.

Henry M. Miller, 46 North Second St., Philadelphia, Sales Agent.

FRENCH'S

"Quality First"
PEERLESS

MORTAR



COLORS

Brightest

Strongest

Unfading

Manufacturers also of the Famous

BUCK WHITE LEAD—A combination white paint CROWN PAINTS—Ready mixed, semi-liquid, paste COLORS—in oil, Japan, distemper, dry VARNISHES—Elastic, durable, lustrous

WE SET AND SELL

TILES, MANTLES, FIREPLACE FIXTURES

SAMUEL H. FRENCH & CO.

York Ave., Fourth and Callowhill Sts.

Established 1844

PHILADELPHIA

Insurance Company of North America

Oldest American Stock Company

FOUNDED 1792



232 WALNUT ST., PHILADELPHIA

Assets - - - \$18,613,414.47
Capital and Surplus, 8,875,680.39

FIRE **MARINE** **RENT**
INLAND **AUTOMOBILE** **TOURIST**
MOTORBOAT **LEASE** **PARCEL POST**

BUILDERS' RISKS SOLICITED

Agents in all the Principal cities and towns

EUGENE L. ELLISON, President
BENJAMIN RUSH, Vice President JOHN O. PLATT, 2d Vice President
T. HOUARD WRIGHT, Secretary SHELDON CATLIN, Asst. Secy.

DIRECTORS

Edward H. Coates Nathan Trotter Bayard Henry
John Story Jenks Arthur E. Newbold John W. Pepper
Edward Hopkinson Charles Platt, Jr. Eugene L. Ellison
George H. McFadden Charles S. W. Packard Edward S. Buckley, Jr.
William D. Winsor J. Percy Keating Rudolph Ellis
Henry W. Biddle Lincoln Godfrey William T. Elliott
C. Hartman Kuhn G. Colesberry Purves

Fire Association

OF PHILADELPHIA



Organized Sept. 1, 1817
Incorporated March 27, 1820

PERPETUAL CHARTER

Capital, \$750,000.00
Assets, \$9,152,621.97

Officers

E. C. IRVIN, President
T. H. CONDERMAN, Vice-President
M. G. GARRIGUES, Sec. and Treas.
R. N. KELLY, Jr., Asst. Secretary

Directors

ELIHU C. IRVIN WILLIAM T. TILDEN
THEO. H. CONDERMAN HORACE T. POTTS
JAMES BUTTERWORTH RICHARD CAMPION
JOHN MCKINNEY DIMMER BEBER
ROBERT WHITAKER GEO. W. NEVIL
CHAS. B. ADAMSON WM. A. LAW
EDWARD J. MOORE

Office: **COMPANY'S BUILDING**
N. W. Cor. 4th and Walnut Sts., Philadelphia, Pa.

Audubon Wire Cloth Co., Inc.**AUDUBON, N. J.**

Announce their succeeding the
Strawbridge & Chase Co.
 OF PHILADELPHIA, PA.

Emphasizing the fact of no change
 in management or conduct
 of the business

We wish further to let our friends and customers
 know of our increased facilities, new initiative
 and increased endeavors to give prompt delivery,
 service and low figures consistent with the quality
 of our products.

Audubon Wire Cloth Co., Inc.

Manufacturers of

Wire Cloth in Brass, Copper, Steel and Galvanized
 Wire Screening, Sieves and Window Guards

AUTO TRUCK DELIVERING DAILY IN PHILADELPHIA, PA.

GEORGE W. WATT, Vice-President HENRY M. GRATZ, President DAVIS G. VAUGHAN, Ass't. Sec'y and Treas.
 EDWARD J. THOMASON, Secretary and Treasurer T. MAGILL PATTERSON, Assistant Secretary

THE
GIRARD
 Fire and Marine
 Insurance Company

N. E. Cor. 7th and Chestnut Sts.

PHILADELPHIA

Assets, - - \$2,553,904.70

DIRECTORS

Henry M. Gratz
 Pemberton Hollingsworth
 John C. Lowry

Wm. R. Nicholson
 C. S. W. Packard
 Franklin M. Potts
 George W. Watt

William F. Rollo
 Edward B. Smith
 Edward J. Thomason

LEATHERFLOOR**A COMPOUND OF LEATHER****A Superior Sanitary Flooring**

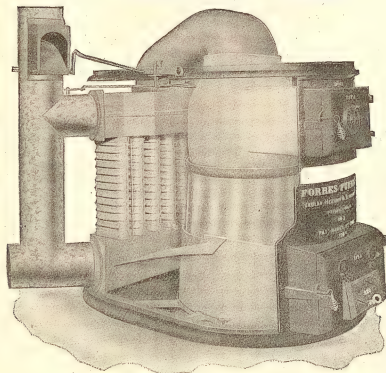
The highest degree of
 efficiency in composition
 flooring has been ob-
 tained in Leatherfloor.
 It is fire-proof, water-
 proof, dust-proof, germ
 and vermin-proof, noise-
 less, non-slipping, flexible,
 elastic and inexpensive.

Leatherfloor is admirably
 adapted for floors, base and
 wainscoting, in Hospitals, Asylums, Schools, Churches,
 Libraries, Theatres, Hotels, Restaurants, Apartment Houses,
 Factories, Stores, Banks, Steamships, Yachts, Railroad Cars,
 Etc. wherever a smooth, sanitary, fire and water-proof flooring
 is desired.

Leatherfloor is the Best**Leather Flooring Co.****Glen Rock, Penna.**

Philadelphia Office: 1103 Land Title Building

HOT AIR
 The Healthiest Heat

**THE FORBES FURNACE**

insures a warm house with a
 minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction.
 Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, install-
 ations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.
 232 Quarry Street, Philadelphia, Pa.

908 CHESTNUT ST.

(The Fridenberg Bldg.)

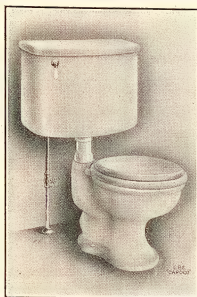
Fire-proof, Vibrationless, Convenient, Day-light, Airy, Adapted for Architects, Engineers, Builders, etc.

PRIVATE OFFICES, 17x20 at \$ 270 A YEAR
" " 24x30 at 550 "
" " 24x60 at 1100 "Including private toilet, janitor service, steam heat, etc.
Inspection invited. Janitor on premises or

S. L. FRIDENBERG

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER**303 Builders' Exchange
Philadelphia****COMPLETE LINE OF****Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools****The INAUDIO****Absolutely Noiseless Closet Combination.**

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

SCAMMELL EXPANDED METAL LATH

(Formerly Roebbling)

The only Expanded Metal Lath in Rolls
Patented February 12th, 1914

The advantages of Scammell Expanded Metal Lath are greater strength, increased durability, smaller mesh, applied parallel with the furring, no laps between furring.

**USE SCAMMELL Lath
for Best Results****PAYNE & SCAMMELL**

Concrete Fireproofing, Metal Furring and Lathing

Land Title Bldg., Phila., Pa.

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER**WATER BATH ONLY**

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by

**F. WEBER & CO., Manufacturers, Importers**

Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA

Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.1737 Filbert Street
Philadelphia**Contracting
ENGINEERS****STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS****"WINDUSDITE" Metal Weather Strips**

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD**W. B. BUCHANAN****BAIRD-OSTERHOUT COMPANY****Electrical Contracting in all its Branches****1112 Chestnut Street, Philadelphia**

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 28.

PHILADELPHIA, WEDNESDAY, JULY 14, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Business Building (remodeling), 210-12 North Broad street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, name withheld. Brick and terra cotta, 5 stories, slag roof, steam heating, electric lighting, elevators, concrete fireproofing, metal lath. Architect taking bids, due July 16th. The following are figuring: I. T. Shoemaker, 1309 Walnut street; Cramp & Co., Denckla Building; P. J. Hurley, 1233 Cherry street; H. C. Rea Co., 1207 Wood street; F. A. Havens & Co., 845 North Nineteenth street; Wm. R. Dougherty, 1610 Sansom street; Roydhouse-Arey Co., Fidelity Building; E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Hospital and Power House, Fifty-third and Cedar avenue. \$200,000. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owner, The Misericordia Hospital, care Sisters of Mercy, Merion, Pa. Brick, stone, steel and concrete, fireproof, 7 stories, 50x159 feet, power house 1 story, composition roofs, steam heating, electric lighting, elevators, concrete fireproofing, metal lath, tile and marble work. Plans about completed. Architects will take bids in about two weeks.

Loft Building, 315 to 319 Arch street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Charles E. Schmidt, care Keystone Leather Co., 327 Arch street. Reinforced concrete, brick and terra cotta, 6 stories, 65x185 feet, slag roof, steam heating, electric lighting, elevators. Plans about completed. Architects will take bids in about 2 weeks.

School Building (add.), Sixth and Hunting Park avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owner, Board of Education, Stock Exchange Building, Philadelphia. Brick, 3 stories, slag roof (heating, plumbing and electric work, separate bids). Lowest bid submitted by Wilbert Beaumont, Stephen Girard Building, Philadelphia; \$52,735.

School Building, Sixty-fifth avenue and Limekiln Pike, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owner, Board of Education, Stock Exchange Building, Philadelphia. Brick and terra cotta, steel and concrete, fireproof, 3 stories, slag roof, metal doors, safety treads, reinforcing bars, metal lath, waterproofing, glazed bricks, metal weather-strips (plumbing, heating and electric work, separate bids). Lowest bid submitted by Cramp & Co., \$273,056.

Hospital (alts.), York Road and Tabor street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Jewish Hospital, on premises. Consists of general interior alterations, steel sash, tile and marble work, concrete fireproofing. Architects taking bids, due July 20th. The following are figuring: Thomas M. Seeds, Jr., 1207 Race street; Freund-Seidenbach Co., Bulletin Building; Wm. R. Dougherty, 1610 Sansom street; Burd P. Evans & Co., Thirtieth and Wallace streets; P. M. Sax, Heed Building; Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Grain Elevator, Girard Point, Philadelphia. \$600,000. Engineer, A. C. Shand, Broad street Station, Philadelphia. Architect, Wm. H. Cookman, Broad street Station, Philadelphia. Owner, Pennsylvania Railroad Co., Broad street Station, Philadelphia. Reinforced concrete, 5 stories, 100x200 feet. Owners taking bids, due July 26th. The following are figuring: Haglin Stahr Co., Lumber Exchange Building, Minneapolis; James Stewart Co., Westminster Building, Chicago; John S. Metcalf Co., 184 La Salle street, Chicago; Macdonald Engineering Co., Monadnock Block, Chicago; Witherspoon Englar Co., Monadnock Block, Chicago; Barnett & Record Co., Minneapolis; Monarch Engineering Co., Chamber of Commerce, Buffalo, N. Y.

School Building, Sanger street and Second street Pike. Architect, J. Horace Cook, Land Title Building, Philadelphia.

Owner, Board of Education, Stock Exchange Building, Philadelphia. Brick, terra cotta, concrete and steel, fireproof, 3 stories, slag roof, glazed bricks, safety treads, metal doors, reinforcing bars, waterproofing, metal lath, metal weather strips (plumbing, heating and electric work, separate bids). Lowest bid submitted by Wm. R. Dougherty, 1610 Sansom street, Philadelphia, \$68,229.

Freight House, Front and Reed streets, Philadelphia. Architect, Wm. H. Cookman, Broad street Station, Philadelphia. Owner, Pennsylvania Railroad Co., Broad street Station, Philadelphia. Reinforced concrete, 1 and 2 stories, 30x450 feet, composition roof, electric lighting. Plans completed. Owner will advertise for bids in a few days.

Garage, East side of Broad street, South of N. E. Boulevard. Architect, private plans. Owner, National Garage, care builder. Stone and brick, 1 and 2 stories, 55x200 feet, slag roof, electric lighting, cement floors (heating, reserved). Builder Harry Brooklehurst, 512 West Norris street, Philadelphia, is taking sub-bids on all lines.

Garage, 219 West Rittenhouse street, Philadelphia. Architect, private plans. Owner, The Rittenhouse Garage, 216 West Rittenhouse street, Germantown. Brick, 1 story, 96x60 feet, slag roof, steam heating, electric lighting, cement floors. Owner taking bids. Wm. C. Wright, 22 Harvey street; Wm. Steele & Sons Co., 1600 Arch street; Thos. Reilly, 1616 Thompson street, Philadelphia, are figuring.

Pier, Delaware River and McKean street, Philadelphia. Engineer, Department of Wharves, Docks & Ferries, Bourse Building. Owner, City of Philadelphia, Department of Wharves, Docks & Ferries, John Meigs, Director, Bourse Building, Philadelphia. Steel and concrete (double deck), 250x300 feet, reinforcing bars. Owner taking bids on sub-structure, due August 8th. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 437

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.

HAROLD HAMERTON
JOSEPH B. FREDERICK

Plans and Estimates Furnished

BOTH PHONES

STANDARD REFRIGERATOR CO.

Manufacturers of Refrigerators and Fixtures

Nos. 2543-2545-2547 GERMANTOWN AVENUE, PHILA.

College Building (alts.), Thirty-third and Spruce streets, Philadelphia. Architect, Edgar V. Seeler, 101 South Juniper street, Philadelphia. Owner, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Consists of interior alterations to architectural school, tin roof, metal lath, waterproofing. Architect has received bids.

Nurses' Home (alts.), Tenth and Sansom streets, Philadelphia. Engineer, H. S. Farquhar, Franklin Bank Building, Philadelphia. Owner, Jefferson Hospital, on premises. Consists of covered passageway and interior alterations, concrete work, reinforcing bars. Engineer has received bids.

Home (add.), 235-37 Delancey street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Jewish Sheltering Home for Homeless and Aged, 315 South Third street, Philadelphia. Brick, terra cotta and concrete, 3 stories, 30x80 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence (alt. and add.), St. Martin's, Philadelphia. Architect, Herbert J. Wetherill, 328 Chestnut street, Philadelphia. Owner, Herbert J. Wetherill, 328 Chestnut street, Philadelphia. Stone and frame, 2½ stories. Consists of general interior and exterior alterations. Architect has received bids.

Warehouse, 504 North American street, Philadelphia. Architect, private plans. Owners, Pottash Bros., on premises. Brick, 4 stories, 100x45 feet, slag roof, electric lighting. Owners taking bids. Koelle, Speth Co., Twenty-sixth and Oxford streets, Philadelphia, is figuring (only bidders).

Store Building (alt. and add.), 142 North Twelfth street, Philadelphia. Architect, Chas. E. Oelschlager, Harrison Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 18x100 feet, slag roof, metal ceilings, metal lath, electric lighting, steam heating, tile work. Architect taking bids, due July 15th. The following are figuring: E. J. Kreitzburg, 1345 Arch street; P. J. Hurley, 1233 Cherry street; I. T. Shoemaker, 1309 Walnut street; Stacy Reeves & Sons, 2011 Market street; Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Store Building (alt. and add.), 923 Market street, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, D. F. Hallahan, Real Estate Trust Building, Philadelphia. Brick and terra cotta, 4 stories. Consists of new front and interior alterations, metal lath, electric lighting, terrazzo floor. Architect has received bids.

Residence (alts.), Evergreen and Sten-

ton avenues, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, Episcopal City Mission, care Rev. H. L. Duhring, 225 South Third street, Philadelphia. Stone, 3 stories. Consists of remodeling residence for hospital and connecting corridors, slate roof, composition floors (heating, plumbing and electric work, reserved). Architects have received revised bids.

Hospital (alts.), 3815 Germantown avenue, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Chestnut Hill Hospital, on premises. Consists of 5 new private bath rooms, tin and slate roof, metal lath, tile work, electric lighting, steam heating. Architects have received bids.

Y. W. C. A., 1607-1615 Catharine street, Philadelphia, \$100,000. Architects, Harris & Rush, 130 South Fifteenth street, Philadelphia. Owner, Y. W. C. A., care J. D. McIlhenny, 1339 Cherry street, Philadelphia. Brick, terra cotta, steel, fireproof, 4 stories, 77x100 feet, composition roof, steam heating, electric lighting. Plans in progress.

Residence (alt. and add.), 535 West Horner street, Germantown. Architect, H. W. Sellers, Stephen Girard Building, Philadelphia. Owner, Miss Mary Potts, on premises. Stone and stucco, 2 stories, shingle and tin roof, metal lath (heating, electric work and tile work, reserved). Architect has received bids.

Packing Plant (add.), 4142 Germantown avenue, Architect, C. B. Comstock, Pittsburgh, Pa. Owner, John J. Felin & Co., on premises. Brick and reinforced concrete, 5 stories, 60x100 feet, slag roof, electric lighting. Plans in progress.

Residences (300), Sixth, Ninth, Oregon and Johnson streets, Philadelphia. Architect, private plans. Owner, Mark Haller, Third and Porter streets, Philadelphia. Brick, 2 stories, 16x48 feet, hot water heating, slag roof, tile bath rooms, hardwood floors. Plans in progress. Owner will take sub-bids in one week.

Apartments (alts.), 234-36 North Eleventh street, Philadelphia. Architect, F. F. Kreisler, Lafayette Building, Philadelphia. Owner, Henry Huesgen, on premises. Brick, 3 stories, slag roof, hot water heating. Architect has received bids.

Residence, Wynnefield, Pa. Fifty-sixth and Overbrook avenue). Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Gerhard Estate, 1035 Commercial Trust Building, Philadelphia. Hollow tile and plaster, 2½ stories, 20x43 feet; wing, 9x15 feet, shingle roof, electric lighting, vapor heating, oak floors. Architects have received revised bids.

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

Church (alts. and add.), Carlisle and Dauphin streets, Philadelphia. Architect, J. W. Thompson, 703 South Sixth street, Philadelphia. Owner, First Church of the Brethren, Rev. Geo. D. Kuns, 2260 North Park avenue, Philadelphia. Dampproofing, electric lighting, steam heating, metal lath. Architect taking revised bids. The following are figuring: Thos. C. Trafford, 1613 Sansom street; H. B. Warner, 2029 West Ontario street; H. E. Baton, Twelfth and Sansom streets; John N. Gill Co., Heed Building; D. G. Boyer, 3107 Almond street, all of Philadelphia.

Church (alts.), Columbia avenue and Na-

trona street, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owner, East Park M. E. Church, Rev. W. H. Michaels, 3018 Berks street, Philadelphia. Stone, 1 story. Consists of general interior alterations, electric lighting. Plans in progress.

Residence (alt. and add.), 241 South Eighteenth street, Philadelphia. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, name withheld. Brick, 4 stories, steam heating, electric lighting, hardwood floors, tile work. Plans about completed. Architects will take sub-bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alt. and add.), Sixty-ninth avenue and Eleventh street, Oak Lane. \$3,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Miss Vera M. DeSanno, on premises. Stone, 2½ stories, tin roof, tile work (heating, electric work and hardwood floors, reserved). Contract awarded to A. R. Raff, 1635 Thompson street, Philadelphia.

Bridge, over Schuylkill River, Manyunk, Philadelphia. Engineer, A. C. Shand, Broad street Station, Philadelphia. Owner, Pennsylvania Railroad Co., Broad street Station, Philadelphia. Concrete and steel, 1600 feet long. Contract awarded to T. L. Eyre, Commercial Trust Building, Philadelphia.

Store Building (alts.), 923 Market street, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, D. F. Hallahan, Real Estate Trust Building, Philadelphia. Brick, 4 stories. Consists of new bulk windows and interior alterations, electric lighting. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Residence (alts.), 1928 Green street, Philadelphia. \$3,025. Architect, private plans. Owner, Penna. Co. for Insurance on Lives & Granting Annuities, 517 Chestnut street, Philadelphia. Consists of general interior alterations. Contract awarded to A. MacTavish, 1513 Pine street.

Storage Building, 234 North Delaware avenue, Philadelphia. \$5,000. Architect, private plans. Owner, Penna. Co. for Insurance on Lives and Granting Annuities, 517 Chestnut street, Philadelphia. Consists of general alterations. Contract awarded to John Duncan, 920 Walnut street, Philadelphia.

Residence (alts.), 3308 Chestnut street, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, John D. Johnson, on premises. Brick, 3 stories. Consists of interior alterations, hardwood floors, electric lighting, tile work. Contract awarded to Warren E. Biscoe, 3954 Ludlow street, Philadelphia.

Store Buildings (alt. and add.), 4239 Main street, Philadelphia. Architect, H. L. Reinhold, 1309 Walnut street, Philadelphia. Owner, Albert Forster, 4237 Main street, Philadelphia. Brick and terra cotta, 2 stories, 15x40 feet, slag roof, hot water heating, electric lighting, parquet floors, tile work, waterproofing. Contract awarded to C. M. Swartley, 6836 Ridge avenue.

Sunday School (alts.), Franklin street above Race street, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, Zion Evangelical Lutheran Church, Rev. J. E. Nidecker, on premises. Plumbing, heating and electric work, separate bids. Consists of interior alterations only. Contract awarded to E. E. Hollenbach, Fifteenth and Race streets, Philadelphia.

Dwellings (5), Seventeenth and Butler streets, Philadelphia, \$15,000. Architect, private plans. Owner, Frank D. Williams, 1830 West Venango street, Philadelphia. Brick and stone, 2 stories, 15x36 feet, slag roof, hot water heating. Work about to be started.

Store, Residence and Garage, 1736 South Second street, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Frank Podiatz, 136 South Second street, Philadelphia. Brick and stone, 18x100 feet; garage, brick and stone, 18x30 feet; concrete floor, oil storage system, slag roof, hot water heat. Contract awarded to B. Bornstein, 412 South Fifth street, Philadelphia.

Apartments (alts.), 234-36 North Eleventh street, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, Henry Huesgner, on premises. Brick, 3 stories, slag roof, hot water heating. Contract awarded to Geo. K. Heebner, 1231 Vine street, Philadelphia.

Offices (alts.), 809 Chestnut street, Philadelphia. Architect, private plans. Owner, John & James Dobson Estate, 809 Chestnut street, Philadelphia. Consists of general interior alterations. Contract awarded to Joseph Bird Co., 213 North Eleventh street, Philadelphia.

Belmont Iron Works

Iron Beams, Columns, Girders, Stairs,
Structural Iron, Forging and
Castings, etc.

22nd and Washington Avenue
Bridge Shop, Eddystone, Pa.
1622 Real Estate Trust Co. Building
S. E. Cor. Broad and Chestnut Sts.
PHILADELPHIA

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

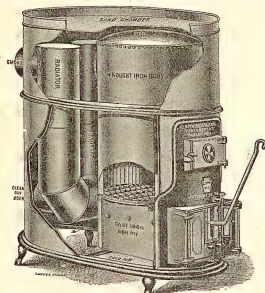
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Your new homes, no matter how simple and inexpensive, should have

All Gas Kitchens

We will be glad to assist you in selecting the proper gas appliances for your requirements and estimate on the cost of installation.

Our ideas may save you money. Call up our Builders and Operators Division.

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.

PULLMAN METAL WEATHER STRIP

is now installed by our exclusive agent in your vicinity

Promptness, Workmanship and Satisfaction constitute a part of

PULLMAN SERVICE

Permit us to estimate on your requirements

PULLMAN METAL WEATHER STRIP CO.

Main Office: York, Pa.

PENNSYLVANIA

Construction News

Auditorium, Hershey, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, M. S. Hershey, Hershey, Pa. Hollow tile, steel and plaster, 1 story, 140x200 feet, slag and shingle roof, electric lighting. Owner is taking sub-bids.

Bank Building, Elizabethtown, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Mechanics National Bank, Elizabethtown, Pa. Stone and brick, 1 story, steam heating, electric lighting, tile and marble work, banking fixtures. Plans about completed. Architect will soon take bids.

Town Hall, Williamstown, Pa. \$6,000. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owner, Williamstown Fire Co., Williamstown, Pa. Brick, 1 story, 30x100 feet, slate roof, electric lighting. Plans in progress.

Store Building (alt. and add.), Lancaster, Pa. \$4,000. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owners, Hampton Carpenter & Co., Lancaster, Pa. Brick, 2½ stories, 13x90 feet, slag roof, steam heating, electric lighting. Plans about completed. Owners will soon take bids.

Hospital Building, Lancaster, Pa. \$15,000. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owner, Dr. H. R. Bowers, Lancaster, Pa. Brick, 4½ stories, 18x86 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors, metal lath, dumb-waiters, elevator. Plans in progress.

Factory Buildings (2), Lancaster, Pa. \$6,000. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, New Process Steel Co., Lancaster, Pa. Brick, 1 story, 40x98 feet, and 40x100 feet, slag roof, electric lighting, cement floors. Owner taking bids.

Bank and Lodge Building (alt. and add.), Hummelstown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Farmers' Bank, Hummelstown, Pa. Brick and stone trimmings, 3 stories, electric lighting, vapor heating, iron stairs, slate roof, metal lath, waterproofing, tile and marble work (banking

fixtures, reserved). Architect taking bids, due July 16th. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

Residence and Garage, Haverford, Pa. \$35,000. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owner, Sydney Thayer, Merion, Pa. Stone, hollow tile and plaster, 2½ stories, tile roof, hot water heating, electric lighting, oak floors, tile work. Plans about completed. Architects will take bids in about ten days.

School Building, Highland Park, Pa. \$50,000. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, Upper Darby School District, J. Milton Lutz, Secretary, Llanerch, Pa. Stone, 2½ stories, 100x137 feet, slate roof (heating, plumbing and electric work, separate bids). Owner taking bids, due July 26th, at 7 P. M. Plans may be obtained from architects.

Residence (alt. and add.), Norristown, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, slate roof, steam heating, electric lighting, hardwood floors, tile work. Plans in progress.

Dormitory, Boiler House and Passageway, West Chester, Pa. Architects, Furness Evans & Co., Provident Building, Philadelphia. Owner, Chester Co. Hospital, West Chester, Pa. Stone and brick, 3 stories and basement, reinforced concrete floors, metal lath, steel partitions, 36x85 feet, electric lighting (heating, reserved). Jos. M. Burns, West Chester, Pa., is taking sub-bids on all lines.

Apartment (alt. and add.), York, Pa. (1032 Market street). Architect, Robert W. Bowers, York, Pa. Owner, Casper H. Oerman, York, Pa. Brick, 3 stories, 20x90 feet, tin roof, steam heating, electric lighting. Owner is sub-letting all contracts.

City Market (alt. and add.), York, Pa. \$14,000. Architect, Robert W. Bowers, York, Pa. Owner, York City Market Co., York, Pa. Brick, 2 stories, 140x75 feet, slag roof, electric lighting, concrete floors. Plans in progress.

Home Buildings, Williamsport, Pa. Architect, Horace Trumbauer, Land Title

BELL PHONE KENSINGTON 5295

ESTABLISHED 1862

T. C. KREWSON
ROLLING LADDERS

Extension Ladders, Sectional Ladders, Swinging Stages, Jacks and Hods
801 AND 803 MASTER STREET, PHILADELPHIA

LADDERS

Successors to Philadelphia Ladder Mfg. Co., Formerly of 9th and Thompson Sts.



SAGUMS PRESERVATIVE



Applied on all floors (wood and concrete) in this modern building



Architect
Edgar V. Seeler

Office Building of
Penn Mutual Life Insurance Co., Phila.

Builders
Doyle & Company

Furnished, Applied and Guaranteed by

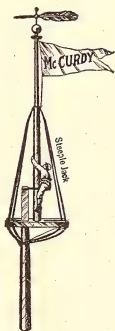
THE SAGENDORPH CO., Inc.

131-133 S. 24th St.
PHILADELPHIA - PA.

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE FAIRBANKS CO.
PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street

Philadelphia

Bell, Filbert 23-13.
Keystone, Race 90-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

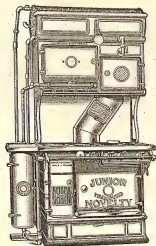
R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.



"NOVELTY" REMINDERS

"Junior Yearound Novelty" COMBINATION COAL AND GAS RANGE

Of the the same general construction as our famous "YEAR-ROUND NOVELTY," but smaller; built to meet the demand for a high class Combination Range, but one which would require less space and selling at a lower price.

COMPACT : COMPLETE : CONVENIENT
WRITE FOR LITERATURE

Made in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

Building, Philadelphia. Owner, State of Pennsylvania, Home for Criminal Women, Com., West End ra5danfonraonhaonmaon Geo. G. Quintard Horwitz, Chm. of Com., West End Trust Building, Philadelphia. Stone and brick, 2½ stories, 2 cottages, 109x38 feet each; 1 cottage, 97x36 feet; administration building and school, 153x74 feet, slate roofs, concrete fireproofing, waterproofing and dampproofing, slate blackboards, metal lath, canvass floors (steam heating, electric work and plumbing, separate bids). Owner taking revised bids, due July 23rd. Shamokin Lumber & Mfg. Co., Shamokin, Pa., and F. H. Keiser & Co., Pottstown, Pa., are figuring.

Hall and Fire House, Millbourne, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owner, Borough of Millbourne, E. S. Opdyke, Secretary, 6417 West Chester Road, Millbourne, Pa. Stone, 1½ stories, 33x45 feet, shingle roof, hot water heating, electric lighting, concrete floors, reinforcing bars. Owner taking bids, due July 15th. The following are figuring in addition to those previously reported: Mitchell Bros., 2125 Race street; W. W. Austine & Co., 1218 Filbert street; A. Whitehead, Inc., 1624 Latimer street; Edward May & Son, 2 South Mole street; F. A. Havens & Co., 845 North Nineteenth street; Loos & Dohard, Commercial Trust Building; Burd F. Evans & Co., Thirteenth and Wallace streets; J. Howard Roberts, Lansdowne, Pa.

Residence, Bala, Pa. \$30,000. Architect, Louis Carter Baker, Jr., 34 South Seventeenth street, Philadelphia. Owner, Miss Miriam W. Roberts, Bala, Pa. Stone, 2½ stories, 146x31 feet, slate roof, electric lighting, metal weather strips, metal lath, tile work, oak floors (heating, reserved). Builder J. P. Thompson, Real Estate Trust Building, Philadelphia, taking sub-bids on all lines.

Hospital Buildings, Elizabethtown, Pa. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owner, Philadelphia Order of Free Masons, Broad and Filbert streets, Philadelphia. Stone, 3 stories, 109x40 feet, slate roof, concrete floors, reinforcing bars, waterproofing, metal lath, electric lighting, vapor heating, tile work, composition floors, fire doors (metal weather strips and elevator, reserved). Architects taking bids, due July 17th. The fol-

lowing are figuring: M. Roy Sheen, 450 North Wilton street; A. Raymond Raff, 1635 Thompson street; Pomeroy Construction Co., 1609 Ranstead street, H. H. Wehmeyer, 1004 West Lehigh avenue; Pringle Northwick, 8018 Germantown avenue; R. C. Ballinger & Co., 218 North Thirteenth street; Metzger & Fisher, Denckla Building, all of Philadelphia; Adam Spatz, Wernersville, Pa.; Titzel Construction Co., Lancaster, Pa.

Residence, Ambler, Pa. Architect, Wesley Mullin, Maple Glen, Pa. Owner, Harold G. Knight, Witherspoon Building, Philadelphia. Hollow tile and plaster, 2½ stories, 42x32 feet, shingle roof, electric lighting (heating, reserved). Architect has received bids.

Manse, Sharon Hill, Pa. Architects, Folsom & Stanton, 1329 Walnut street, Philadelphia. Owner, Tully Memorial Presbyterian Church, Sharon Hill, Pa. Stone, hollow tile and plaster, 2½ stories, 41x36 feet, slate roof, hot water heating, parquet floors, electric lighting, tile work. Architects taking revised bids, due July 15th. The following are figuring: F. B. Davis, 240 North Sixteenth street; E. J. Kreitzburg, 1345 Arch street; Frank E. Wallace, 1220 Chancellor street; F. L. Hoover & Sons, 1023 Cherry street; Pomeroy Construction Co., 1609 Ranstead street; Thomas C. Trafford, 1613 Sansom street, H. E. Grau Co., 1707 Sansom street; Wm. R. Dougherty, 1610 Sansom street; John Duncan, 920 Walnut street, Philadelphia.

School Building, Harrisburg, Pa. \$90,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Board of Education, Harrisburg, Pa. Brick, stone trimmings, 3 stories, 82x180 feet, composition roof, concrete fireproofing, metal lath, slate blackboards (plumbing and heating, separate bids). Owners taking bids, due July 16th. The following are figuring: Augustus Wildman, 2206 North Third street; W. S. Roebuck, 1729 North Third street; Stapf & Benfer, 38 South Seventeenth street; Adam Stuckey & Son, P. O. Box 166; H. O. Hipple, 1350 North street; W. H. Schue, 2412 North Sixth street, all of Harrisburg, Pa.; German Voigt Co., 1251 North Twenty-eighth street, Philadelphia; Fink & Seidel, Reading, Pa. P. W. Finn, Altoona, Pa.; D. S. Warfel, Lancaster, Pa.; Butz & Cader,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.
BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



Does Your Roof Leak?

Tin and Slag Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

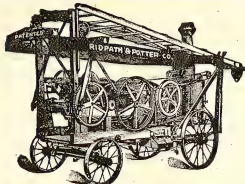
BRINKMANN BROS.
2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



**We Drill Wells and Get Water
Test Borings and Soundings**

LET US SUBMIT PRICES

RIDPATH & POTTER CO.

587 Bourse Building
Philadelphia, Penna.

Ainey Building, Allentown, Pa.; Steinbach & Son, William Bushey, Lemoyne, Pa.

Arsenal (add.), Harrisburg, Pa. \$56,000. Architect, C. A. Keyworth, State Capitol Building, Harrisburg, Pa. Owner, State of Pennsylvania, Department of Public Grounds and Buildings, Samuel R. Rambo, Harrisburg, Pa. Brick, terra cotta, concrete and steel, fireproof, 2 stories, 211 x61 feet, slag roof, steel sash, fire doors, concrete floors, reinforcing bars (heating, plumbing and electric work, separate bids). Owner taking bids, due July 15th. The following are figuring: F. Roe Searing, Perry Building; Bailey-Lush Co., 201 North Broad street; Edward Lay & Son, 2 South Mole street; F. Havens Co., 845 North Nineteenth street, all of Philadelphia; Conners Bros. Co., 64 West Eighty-eighth street, New York City; H. W. Black, Stapp & Benfer, C. Frank Glass, all of Harrisburg, Pa.; Bartley O'Neill Co., Penn avenue and Third street, Pittsburgh, Pa.; Bear Construction Co., Colonial Trust Building, Reading, Pa.; J. G. Schamm, Lancaster, Pa.; Anderson Darragh Co., Ltd., 3206 Penn avenue, Pittsburgh, Pa.

Church (Int. alts.), Palmyra, Pa. \$6,000. Architect, Geo. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, United Brethren Church, Palmyra, Pa. Consists of interior alterations, steam heating, balcony, 45x88 feet. Plans in progress.

Power House, Swatara Station, Pa. \$3,000. Architect, Geo. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, W. T. Brader, Swatara Station, Pa. Frame, 1 story, 30x60 feet, iron roof, electric lighting, concrete floors, water tank and new equipment. Owner will sub-let all contracts.

Residence, Huntington, Pa. \$18,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Thos. F. Bailey, Huntington, Pa. Brick and cut stone, 2 stories, 30x90 feet, slate roof, taking bids, due July 20th.

Sunday School Building, North Wales, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owner, Sanctuary M. E. Church, North Wales, Pa. Stone, 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Home Buildings, Muncy, Pa. \$250,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, State of

Pennsylvania, Home for Criminal Women, George Quintard Horwitz, Chm. of Com., West End Trust Building, Philadelphia. Stone and brick, 2½ stories, 2 cottages, 109x38 feet each, 1 cottage, 96x79 feet; administration building and school, 153x54 feet, slate roof, concrete fireproofing, water-proofing and dampproofing, slate blackboards, metal lath, canvas floors (steam heating, electric lighting and plumbing, separate bids). Owner taking revised bids, due July 23rd. The following are figuring: Shamokin Lumber & Mfg. Co., Shamokin, Pa.; F. H. Keiser & Co., Pottstown, Pa.; Samuel Larrivee, Williamsport, Pa.; Beard Construction Co., Reading, Pa.; Conners Bros. Co., 64 West Eighty-eighth street, New York City; Milton W. Young, Overbrook, Pa.; Ketcham & McQuade, 1029 Brown street, Metzger & Fisher, Denckla Building; Geo. A. Fuller Co., Morris Building; Edward Fay & Son, 2 South Mole street, all of Philadelphia.

Factory (alt. and add.), Thurlow, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, Thur ow Worst-Ed Mills, Thurlow, Pa. Brick and steel and concrete, 2 and 3 stories, slag roof, steam heating, electric lighting. Plans about completed. Architect will take bids in a few days.

Church and Sunday School, Hazleton, Pa. \$40,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owner, St. John's Primitive Methodist Church, Hazleton, Pa. Stone, 1 and 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Ardmore, Pa. Architects, Frank Seeburger and Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Granville B. Hopkins, Ardmore, Pa. Stone, 2½ stories, 33x60 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Plans in progress.

Garage, Green Tree, Pa. Architects, Chas. W. Bolton & Co., Witherspoon Building, Philadelphia. Owner, Wm. R. Warner, Jr., Green Tree, Pa. Brick, 1 story, 25x50 feet asbestos shingle roof, electric lighting, cement floors. Owner is taking bids.

Bowling Alleys (alts.), Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, Tate & Frey, Harrisburg, Pa. Consists of new front and interior alterations. Plans in progress.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

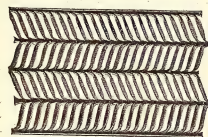
ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
82 and 86 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

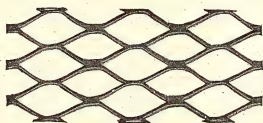
FIREPROOFING - .



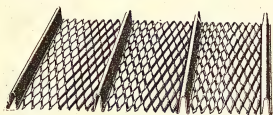
HERRINGBONE

A METAL lath for the very highest grades of work. The stiffest on the market. Heavy ribs, broad strands and small mesh, prevent sagging or falling mortar and give a firm surface for the trowel.

THIS type of lath, while widely and successfully used for all classes of work, because of its uniform flexibility, is particularly adapted for all curved surfaces and beam wrapping.



"BILCO" DIAMOND MESH



SELF CENTERING

partitions, etc. without the use of forms.

REGULAR TYPE
SIZE, Size $\frac{5}{8}$ " x 7"

Approximate
weight 46 lbs.
per 1000.



WALL TIE

Both types cut from No. 22 gauge sheets.
Packed in wooden boxes of 1000 ties each.



EXPANDED METAL

work where uniform distribution of steel is desired.

Guaranteed Straight

No. 24 GAUGE GALVANIZED

Made in lengths, 6, 7, 8, $8\frac{1}{2}$,
9 and 10 feet.



"BILCO" CORNER BEAD

PROBLEM Engineers' and Mate



RALPH E. WHITE
Architect for Right Wing Addition

SEAVIEW GOLF C
ABSECON, N. J.

HERRINGBONE (ARMCO C-S GALVANIZED FURRING

Specified and Used T

QUALITY = ECO.

Builders' Steel Products C

WATERPROOFING

S SOLVED

d Contractors'

erials



CLUB
JACOB MYERS SONS CO.
Contractors for Right Wing Addition

INGOT IRON LATHE
- "BILCO" CORNER BEAD
throughout Addition

VOMY = SERVICE

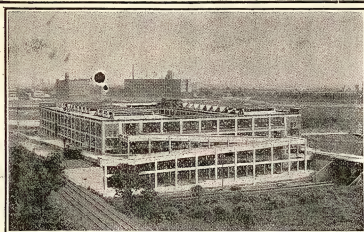
131-133 So. 24th STREET
PHILADELPHIA

- GF No. 10 Integral Waterproofing Paste
- GF No. 11 Integral Waterproofing Powder
- GF No. 17 Mop Coating
- GF No. 18 Waterproofing Felt
- GF No. 20 Waterproofing Mastic
- GF No. 21 Saturated Fabric
- GF No. 16 Foundation Brush Coating
- GF No. 15 Trowel Coating
- GF No. 200 Damproofing Coating
- GF No. 99 Acidproofing
- GF No. 100 Colorless Waterproofing
- GF No. 101 Brick and Cement Coating
- GF No. 220 Stoneproof Stone Backing
- GF No. 250 Roof and Tile Mastic Cement
- GF No. 140 Concrete Hardener
- GF No. 145 Crystalrox
- GF No. 150 Floor Primer
- GF No. 151 Floor Coating
- GF No. 400 Bonding Compound
- GF No. 500 Interior Wall Coating
- GF No. 300 Shop Coating for Steel
- GF No. 350 Galvanized Iron Coating
- GF No. 499 Wall Size

"BILCO" SERVICE



UNION TRUST BUILDING
Harrisburg, Pa.
COAL EXCHANGE BUILDING
Wilkesbarre, Pa.



HENRY R. SHOCH BLDG., PHILA.

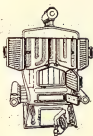
This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

MILLS



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

Best by test.

Ask for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{2}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS

Commonwealth Bldg. - Philadelphia

"The Guide" is now covering Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia, Ohio and Illinois. And it's growing, growing, growing.

Pennsylvania Contracts Awarded

Club House (alt. and add.), Bryn Mawr, Pa. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, Radnor Hunt Club, Bryn Mawr, Pa. Frame and rough cast, $2\frac{1}{2}$ stories, tin roof, hot water heating, electric lighting, metal weather strips. Contract awarded to Frank H. Mahan, Ardmore, Pa.

Residence (rebuilding), Strafford, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George Quintard Horwitz, West End Trust Building, Philadelphia. Frame and brick, $2\frac{1}{2}$ stories, Green slate roof, canvass floor, oak floors, metal lath, tile work, warm air and hot water heating (electric work and metal weather strips, reserved). Contract awarded to Milton W. Young, Overbrook, Pa.

Parish House, Eddystone, Pa. Architects, Geo. Nattress & Son, Twelfth and Walnut streets, Philadelphia. Owner, St. Peter's P. E. Church, Eddystone, Pa. Stone, $1\frac{1}{2}$ stories, 88x26 feet, slate roof, steam heating, electric lighting. Contract awarded to John Worrell, Rosemont, Pa.

Home Building, Elizabethtown, Pa. Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owner, Grand Lodge of F. & A. M. in Pennsylvania, Masonic Temple, Philadelphia. Stone, $2\frac{1}{2}$ stories, 67x32 feet, wing 29x23 feet, slate roof, concrete floors, reinforcing bars, metal lath, tile work (heating, plumbing and electric work, separate bids). Contract awarded to Pomeroy Construction Co., 1609 Ranstead street, Philadelphia.

School (alt. and add.), Lima, Pa. \$6,000. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, Middletown Township Board of Education, Lima, Pa. Brick, 2 stories, 97x26 feet, shingle roof, slate blackboards, dampproofing, metal lath (heating, plumbing, electric work, separate bids). Contract awarded to Loos & Dothard, Commercial Trust Building.

Store Building (alt. and add.), Lancaster, Pa. \$5,000. Architect, M. R. Evans, 10 $\frac{1}{2}$ East Orange street, Lancaster, Pa. Owner, S. S. Kresge Co., Detroit, Mich. Brick, 1 story, 30x160 feet, electric lighting, metal ceilings. Contract awarded to Herman Wohlson, Lancaster, Pa.

Warehouse, Lancaster, Pa. \$6,000. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owners, Charles and Grant Stauffer, Lancaster, Pa. Brick, 1 story, 183x40 feet, Ruberoid roof, electric lighting. Contract awarded to J. P. Brennenman, Lancaster, Pa.

Residences (12), Lancaster, Pa. Architect, H. M. Bartholomew, 39 East Grant street, Lancaster, Pa. Owner, Frederick

Ritchie, Lancaster, Pa. Brick, $2\frac{1}{2}$ stories, 20x45 feet, slag roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Walter C. Zoork, Lancaster, Pa.

Bridge, over Eddystone avenue, Eddystone, Pa. Architect, private plans. Owner, Philadelphia & Reading Railway Co., Twelfth and Market streets, Philadelphia. New through plate girder bridge, single track structure, 58 feet long. Contract awarded to American Bridge Co., Fifteenth and Chestnut streets, Philadelphia.

School Building, Gap, Pa. \$25,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Board of Education, Gap, Pa. Brick, 2 stories, 60x88 feet, slag roof, steam heating, electric lighting, slate blackboards, concrete fireproofing. Owner will take bids in one week.

Residence (alts.), Merion, Pa. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, Eldridge R. Johnson, Merion, Pa. Consists of new bath room, metal lath, tile work, electric lighting (heating, reserved). Contract awarded to J. Sims Wilson, 1125 Brown street, Philadelphia.

Residence, Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, C. Harry Kain, Harrisburg, Pa. Brick and hollow tile and stucco, $2\frac{1}{2}$ stories, 28x48 feet, slate roof steam heating, gas and electric lighting, tile work, hardwood floors, dampproofing. Contract awarded to F. A. Fleischer, Marysville, Pa.

Twin Residences (4), Harrisburg, Pa. \$10,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, name withheld. Brick, hollow tile and stucco, $2\frac{1}{2}$ stories, 28x50 feet, slate roof, tile work, steam heating, gas and electric lighting, hardwood floors, dampproofing. Contract awarded to F. A. Fleischer, Marysville, Pa.

Church and Sunday School, York, Pa. \$10,000. Architect, Edward Leber, Hay Building, York, Pa. Owner, Ridge avenue M. E. Church, York, Pa. Brick, 1 story, 56x67 feet, slate roof, steam heating, electric lighting. Contract awarded to Geo. W. Gilbert, York, Pa.

Store and Office Building, York, Pa. \$20,000. Architect, Robert A. Stair, Guardian Trust Building, York, Pa. Owner, Anna L. Gardner, Estate, York, Pa. Brick, stone and steel, 2 stories, 65x85 feet, slag roof, steam heating, or vapor heating, electric lighting, tile work, dampproofing. Contract awarded to Geo. W. Gilbert, York, Pa.

School (alt. and add.), Newville, Pa. \$16,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, School Board, care W. H. McCrea, Newville, Pa. Brick, $2\frac{1}{2}$ stories, 50x63 feet, slate and slag roof, dampproofing (heating, plumbing and electric work, reserved). Contract awarded to M. L. Grossman, New Cumberland, Pa.

Residence, Narberth, Pa. \$5,000. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, C. S. Tay, Narberth, Pa. Hollow tile and plaster, $2\frac{1}{2}$ stories, 30x30 feet, shingle roof, oak floors, tile work, steam heating, electric lighting. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

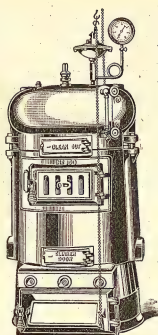
ABSOLUTELY NECESSARY.

We may live without poetry, music and art;
We may live without conscience and live without heart;

We may live without friends, we may live without fads;

But business to-day cannot live without ads.

183
20
74 20
11 20
37 0
24
11 10



Two Types
Steam or Water

ADELPHIA Boiler for Steam or Hot Water Heating—Positive Results Assured.

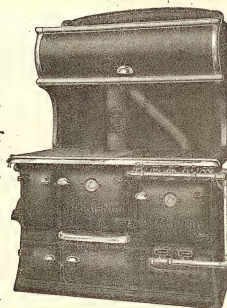
The latest construction embodying several new and exclusive features, not found in any other boiler.

Our booklet will explain in detail. Yours for the asking.

For a Warm Home on a Cold Day instal an ADELPHIA new Round Boiler

Double Sterling The Combination

Range will do your Cooking, Baking and Water-heating as it should be done by either Coal or Gas or Both at the one time. The range of equal capacity, conveniently arranged and with a number of patented features.



One of 6 different styles

BORDEN STOVE COMPANY

SHOWROOMS—118-120-123 No. Second Street PHILADELPHIA

Catalogs or Representative upon request, or better still, pay us a visit, you will be repaid

NEW JERSEY

Construction News

Residence, Trenton, N. J. \$8,000. Architects, W. W. Slack Sons, American Mechanics Building, Trenton. Owner, Judge Alfred Reed, 62 Prospect street, Trenton, N. J. Brick, 2½ stories, 40x40 feet, slate roof, vapor heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in a few weeks.

Garage and Service Building, Trenton, N. J. \$12,000. Architects, W. W. Slack & Sons, American Mechanics Building, Trenton. Brick, 2 stories, 62x25 feet, slag roof, steam heating, electric lighting, concrete floors, steel sash. Architects taking bids, due July 14th. The following are figuring: Scott & Day, S. W. Mather & Son, E. D. LaRue, Burton & Burton, all of Trenton, N. J.

Nurses' Home, Vineland, N. J. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, N. J. Home for Feeble-Minded Women, M. Hollowell, Superintendent, Vineland, N. J. Brick, 3 stories, 120x50 feet, slag roof, steam heating, electric lighting, composition floors, metal lath, composition floors, metal lath, dampproofing and waterproofing. Plans in progress.

Residence, Trenton, N. J. \$7,000. Architects, Kileman & Fowler, First National Bank Building, Trenton, N. J. Owner, I. Vine, Trenton, N. J. Brick, 2½ stories, 20x70 feet, slate and tin roof, hot water heat, electric lighting tile work, hardwood floors. Plans in progress.

Factory, Haumonton, N. J. \$10,000. Architect, M. S. Hewitt, Bartlett Building, Atlantic City, N. J. Owner, G. Figueroa Cut Glass Co., Egg Harbor, N. J. Brick, 2½ stories, 32x140 feet, slag roof, steam heating, electric lighting, concrete floors. Architect taking bids. The following are figuring: Phillip G. Hannum, Atlantic City; John Green, Egg Harbor, N. J.; Charles De Marco & Henry Nicolin, both of Hammonton, N. J.

School (add.), Atlantic City, N. J. \$120,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City. Owner, Board of Education, H. H. Young, Secretary, Atlantic City. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 90x150 feet, slag roof, mechanical heating and ventilating system, electric lighting, waterproofing, tile work, metal lath, slate blackboards. Plans about completed. Owners will take bids in two weeks.

Residence, Atlantic City, N. J. Architect, S. Hudson Vaughn, Bartlett Building, Atlantic City. Owner, Chas. E. Schroeder, 35 North Congress avenue, Atlantic City. Brick, frame and stucco, 3½ stories, 67x29 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Owner taking bids. J. Mathis & Son, Bartlett Building, are figuring.

Apartment House, Atlantic City, N. J. \$550,000. Architects, Shull & Berry, Guarantee Trust Building, Atlantic City. Owner, R. Balestrieri, 37 North Connect-

icut avenue, Atlantic City. Stone, 2 stories, 50x20 feet, slag roof, hot water heating, electric lighting. Owner taking sub-bids.

Apartment House, 2222 Atlantic avenue, Atlantic City. \$8,000. Architect, W. S. Hewitt, Bartlett Building, Atlantic City, N. J. Owner, Charles Kochwitch, Atlantic City, N. J. Brick, 3 stories, 25x110 feet, slag roof, steam heating, electric lighting, tile work. Plans in progress.

Schools (8), Barrington, Lawnside and Higland Park, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Center Township School Board, care E. A. Graeff, Magnolia, N. J. Brick, 2 stories, slate and slag roofs (heating, plumbing and electric work, separate bids). Lowest bid submitted by Wilbert R. Titus, Woodbury, N. J.

Bungalow, Pine Valley, N. J. Architect, Hugh Tallant, 345 Fifth avenue, New York City. Owner, Thos. E. White, Stephen Girard Building, Philadelphia. Brick, cement blocks and frames, 1½ stories, 5x66 feet, shingle roof, steam heating, electric lighting, tile work, metal lath. Architect taking bids due July 19th. E. J. Kretzbarg, 1345 Arch street, and Milton W. Young, Overbrook, Philadelphia, and Royden K. Lippincott, Stratford, N. J., are figuring.

Home (alt. and add.), Trenton, N. J. \$10,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, Ariel Lodge of Eagles No. 100, Trenton, N. J. Brick, 3 stories, 110x2 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence, Trenton, N. J. \$6,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, R. A. Phillips, Trenton, N. J. Hollow tile and

stucco, 2½ stories, 28x36 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors. Plans in progress.

Picture Theatre, Trenton, N. J. \$20,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owners, Hildinger and Lamont, 118 Factory street, Trenton. Brick, 2 stories, 125x75x25 feet, slag roof, steam heating, electric lighting. Architects are taking bids.

Store and Residence, Trenton, N. J. \$8,000. Architect, W. P. Endebeck, American Mechanics Building, Trenton. Owner, Isaac J. Kemper, South Clinton and Division streets, Trenton. Brick, 2½ stories, 25x80 feet, slag and slate roof, steam heating, electric lighting, tile work, composition flooring, metal lath, metal ceilings. Plans about completed. Architect will take bids in a few days.

Residence, Trenton, N. J. \$10,000. Architect, W. P. Endebeck, American Mechanics Building, Trenton. Owner, F. J. Cahill, 26 East Hanover street, Trenton.

Brick, 2½ stories, 35x60 feet, slate roof, heating not decided, electric lighting, tile work, hardwood floors, metal lath. Plans in progress.

Sunday School Building, Camden, N. J. \$30,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owner, State Street M. E. Church, Camden, N. J. Stone, 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Residence (alt. and add.), Haddonfield, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Cyrus D. Marter, Haddonfield, N. J. Brick, 2½ stories, slate roof, steam heating, electric lighting, tile work, hardwood floors. Plans completed. Architect will take bids in a few days.

Residences (3), Camden, N. J. Architect, private plans. Owner, Charles W. Moore, 822 Kaighn avenue, Camden, N. J. Brick, 2 stories, 15x26 feet, slag roof, hot air heating. Owner is sub-letting all contracts.

NEW JERSEY

Contracts Awarded

Undertaker's Establishment, Elizabeth, N. J. \$25,000. Architect, Shull & Berry, Guarantee Building, Atlantic City. Owner, Mrs. Mary M. Martino, Elizabeth, N. J. Brick and terra cotta, 4 stories, 34x85 feet, slag roof, vapor heating, electric lighting, tile work. Contract awarded to M. Byrne Building Co., Elizabeth, N. J.

Apartment House, Atlantic City, N. J. \$9,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, Mrs. Mary L. Vetter, 241 South Connecticut avenue, Atlantic City. Brick, 2½ stories, 24x70 feet, slag roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Alex. W. Dick, Atlantic City, N. J.

Apartment House, 206 Atlantic avenue, Atlantic City. \$18,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, Abraham Brilliant, 201 Victoria avenue, Atlantic City. Brick, 3½

stories, 83x34 feet, slag roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Clayton E. Shappell, Atlantic City, N. J.

Residence, Trenton, N. J. \$8,500. Architects, W. W. Slack & Cons, American Mechanics Building, Trenton, N. J. Owner, G. H. Bell, 634 West State street, Trenton, N. J. Brick and stone trimmings, 2½ stories, 38x38 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to Supplee Cont. & Const. Co., Bulletin Building, Philadelphia.

Residence, Trenton, N. J. \$10,700. Architect, private plans. Owner, Duncan A. Mackenzie, 1402 Greenwood avenue, Trenton. Hollow tile and stucco, 2½ stories, 41x45 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Thomas F. Donigan, 153 Hamilton street, Trenton, N. J.

John B. Hamme, York, Pa. Owner, Dr. J. H. Apple, Hood College, Frederick, Md. Brick, 3 stories, 34x58 feet, slate roof, steam heating, electric lighting, tile and hardwood floors. Plans in progress.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers 'stick' year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

Miscellaneous Construction News

City Hall, Williamson, W. Va. Architect, V. T. Ritter, Huntington, W. Va. Owner, City of Williamson, John S. Hall, City Recorder, Williamson, W. Va. Brick, terra cotta and concrete, 3 stories, 60x72 feet, slag roof, metal lath, electric lighting, waterproofing, tile work, iron stairs, reinforcing bars (heating, reserved). Owner taking bids. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Scholastic Building, Washington, D. C. Architect, Henry L. Rourke, Hildreth Building, Lowell, Mass. Owner, Society of Oblate Fathers for Missions among the Poor of the State of Massachusetts. Brick and concrete floors, fireproof, 4 stories, 144x66 feet and 65x50 feet, composition roof, steam heating, electric lighting, reinforcing bars, tile work, iron stairs. Architect taking bids, due July 15th. Doyle & Co., 1519 Sansom street, Philadelphia, are figuring.

Dining Hall and Kitchen, Weston, W. Va. Architect, H. Rus Warne, Charleston,

W. Va. Owner, State of West Virginia, Weston State Hospital, care James S. Lakin, Charleston, W. Va. Brick and steel, 2 stories, 63x280 feet, slate roof, metal lath, composition floors, metal sash, tile work (heating, plumbing and electric work, reserved). Owner taking bids, due July 28th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Bank Building (alt. and add.), Eutaw and Fayette streets, Baltimore, Md. Architect, Joseph Evans Sperry, Calvert Building, Baltimore, Md. Owner, Drovers & Mechanics National Bank, on premises. Marble, brick and steel, fireproof, 4 stories, composition roof, waterproofing, iron sash, steel lockers, steel sash, metal doors, metal lath, concrete floors, reinforcing bars, tile and terrazzo work (elevators, heating and electric work, reserved). Architect taking bids, due July 14th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Residence, Frederick, Md. Architect,

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

If a man can make a better quality of brick than his competitors can, it is up to him to let the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Totals	
Jan.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Feb.	0	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	20
March	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	23	1	0	0	0	0	0	0	0	0	0	18	3	0	0	0	1	0	0	60	0	0	0	57	0	0	0	171
April	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	1	4	0	1	0	0	0	0	0	0	18	0	0	0	0	0	4	2	4	0	0	0	0	0	0	46	
May	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	7	1	0	1	0	0	0	0	0	0	0	1	0	0	0	9	0	0	2	0	3	0	0	0	8	28		
June	1	0	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	2	0	10	0	0	0	0	0	0	310		
Totals	4	2	3	11	2	0	2	0	0	0	0	0	1	0	0	0	0	1	0	5	19	27	7	1	1	0	0	0	0	0	0	0	2	47	3	0	0	2	11	6	2	80	1	5	0	57	0	8	238	

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year
ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., JULY 14, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Broekie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klaunder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

Mr. C. Matlack Price, former editor of the "Architectural Record," has an article in the July number of "Art and Decoration" on the subject of "Technique in Architecture" in the course of which he writes, in a vein decidedly complimentary, of the work of our Philadelphia architects, Duhring, Okie and Ziegler.

"Through long usage the idea of technique in a work of art has come to be limited, in its general acceptance, to paintings," writes Mr. Price. "This is as illogical as it is unfortunate, because in many cases an appreciation of just what constitutes architectural technique will aid in the proper appreciation of a building. If technique is a factor to be reckoned with in the consideration of art in general, and if architecture is to be regarded as an art (as it should be), obviously technique may be accepted as applying to certain works of architecture.

"Technique is a variant quantity, inasmuch as we tend to understand by it, the manner in which a thing is done. Technique exists, or does not exist, irrespective of all other considerations of art—that is to say, a picture might impress one generally as not having been worth painting, yet one may admire the technique. "Execution" is a term too literal and uncompromising. Technique means, rather, the manner of execution—not even the quality of execution. It is dependent upon the degree of feeling experienced by the artist, by the manner in which he has manipulated the media of his work to attain the desired expression.

"This is why, if we understand the application of technique to architecture, we perceive why some buildings, apparently perfect in their main facts of design, are disappointing. We may analyze minutely, considering proportion, style, detail and historic accuracy, and finding all these to have been creditably achieved, may wonder what is the matter, and why the building as a whole lacks that appeal, or fails to give that instantaneous impression of pleasure characteristic of a work of art."

* * *

"Having learned to appreciate, then, the significance of technique in architecture, we become convinced that any architect of real merit must be a master of that technique—must be, in fact, an artist in every sense of that designation.

"In exactly the same manner that a painter's technique is based upon his mastery of paints, brushes and canvas, an architect's technique is based upon his mastery of the media of his art. He must be a master hand at expressing form in terms of materials, and expressing materials in terms of form, to do which successfully he must unerringly know when to

modify the one and emphasize the other. He must be endowed with feeling for both form and material, and with a nice sense of proportion in utilizing both for the utmost expression of the work in hand. It will be seen that such architectural gifts exist irrespective of style, or of the more stereotyped considerations entering into architecture. Two architects might be given identical sets of plans, to be carried out separately under the personal supervision and with the personal technique of each architect. One might be a masterpiece, the other a failure, though both were built from the same plans; and the reason would be that one architect possessed technique and the other did not. This hypothetical competition is not an exaggeration—it is an established architectural fact, and should prove beyond any question of doubt the importance of technique in architecture.

"To be thoroughly illustrative and conclusive, the comparison should be arrived at in this manner: given the general design and purpose of the building to both architects identically the same, each should be required to select the materials best suited (in the opinion of each) to its expression, and each should be required to work out after his own conception such details as moldings and the like, and each should supervise the execution according to his own feeling."

* * *

"Even the lay observer could believe at the outset that the two buildings might give two distinctly different impressions. Both might be good, both poor, or one good and one poor, but the merits or demerits would be due not to architectural design, but to architectural technique.

"The illustrations of this article show three views of an unusually interesting building by the architects Duhring, Okie and Ziegler, of Philadelphia, and also show some interesting values in architectural technique.

"These architects are already familiar through the peculiarly sympathetic technique with which they have rendered modern adaptations of early American architecture, but here we find them applying the same technique in a distinctly different style.

"The building is a combination of dwelling, studio, and workshop, the work being stained glass. The style is Italian, its expression very cleverly attained in local stone, the success due to the technique with which the whole has been executed. This "Chestnut Hill Stone," naturally splitting in long, even pieces, lends itself with peculiar flexibility to the general design and informal character of the building, and the architects have skillfully supplemented it

with a little stucco and a little brick. All these materials have texture, and all have color, and as used in this instance, all harmonize perfectly and beautifully. Further expression of the Italian style has been blended into the design by the introduction of arched windows and a little iron-work.

"The same building, carried out without a high order of architectural imagination, feeling and consummate technique might well have been a dismal failure. As it stands, it is another permanent and eloquent testimonial that the almost unknown art of architecture is indeed an art, and not a profession or a science.

"The question of technique in art or architecture, is, as Chesterton might say, similar to the question of mannerism in life. Man's mannerism is the picture of his character. It may be a true or a false picture. Weak men are imitators. No one admires a man whose mannerism is so prominent that it obscures his heart. Everyone is made to feel the sincerity of the man whose mannerism, keeping pace with his heart, accentuates the expression of it. The social value of mannerism is not at all unlike the artistic value of technique. They both exist for the subjugation of the animal instinct, for the co-ordination of impulse and knowledge, to make man's work valuable to mankind."

* * *

The illustrations showed a charming studio house of the type of country house design for which Philadelphia architects have long been famous—a house picturesque, distinctive, in the most delightful rapport with its setting and eminently "livable" within and without. New Yorkers have been so long accustomed to the note of charm associated with this type of house that they are apt to accept it largely as a matter of course—overlooking to some extent the underlying artistry of which they have been the gradual and altogether notable evolution.

* * *

It will be noticed, by those who scan carefully the statistics of the building activity of Philadelphia during the first half of 1915—tabulated upon another page of this number,—that the general average is holding up remarkably well in spite of the discouragements of bad business conditions, tariff-talk, the European war, psychological depressions and other more or less disquieting, if not disturbing, factors. As a matter of fact things are really very much better on the whole than the most sanguine among us was prepared to predict early in the spring, so much so that it is easily conceivable that with anything like normal conditions in the money market during the next half year the twelve months as a whole may be able to show most favorably with the years which have preceded—years of calm, peace and prosperity.

One of the encouraging signs in connection with the outlook is the disposition,

now becoming general, to accept the war abroad as a necessary evil, resuming our usual national activities much as if that particular conflict had never happened.

The first year of the conflict shows but little change from the conditions that marked its opening. It is apparent that it is to be long, slow, stubbornly contested and weakening test of the resources of the nations involved.

* * *

The agitation against the erection in New York of any more tall buildings has begun to take definite shape. A committee of the Allied Real Estate Interests recently appeared before the Constitutional Convention, in session at Albany, to urge the adoption of measures to limit the height and dimensions of buildings in all towns of the State and to provide for a zoning system in New York and other large cities. The Allied Real Estate Interests hope by restricting the height of buildings not only to stabilize property values and improve the health and welfare of the community, but to promote the purchase of dwellings by the small property owner. There are in New York about 125,000 property owners. Philadelphia, with less than half the population of that city, has considerably more than twice as many owners of property.

One of the reasons advanced by the Allied Real Estate Interests' argument in favor of the restriction of the height of all buildings was that the erection of immense buildings causes adjoining property to depreciate in value and by depriving smaller buildings of tenants also affects them unfavorably as investments. The report presented by the Allied Real Estate Interests to the convention declares that "the avidity with which favorable locations for high buildings are seized upon, to the depreciation of the value of adjoining property, has been one of the elements in depressing the real estate market."

It is quite probable that some kind of legislation will be adopted soon in New York to limit the height of buildings. The city is said to be overstocked in office accommodations for years to come and in many sections a serious drop in rentals and consequent disturbance of values has resulted from overbuilding.

* * *

After several attempts during the last eight or nine years the revision of the New York building code bids fair to be an accomplished fact. With the adoption by the Board of Aldermen at its meeting recently of the articles on masonry construction, fireproof construction and reinforced concrete construction the features that seem to have been the stumbling blocks in the past have apparently been disposed of. It seems that both the terra cotta interests and the cinder concrete advocates, who were held more or less responsible for the difficulties met in the past because of their efforts through alleged political influences to each secure an advantage over the other,

feel that the sections just adopted providing for fireproof construction treat them with full justice and with fairness to the building public, which is desirous of freedom in the use of building materials that best serve their purposes and at the same time secure a safe construction.

The evident desire of the building committee of the Board of Aldermen and those charged with the revision of the code to deal justly with every one has been met on the part of the manufacturers and contractors with an equal disposition not to quibble over trivial technicalities. It would seem that the general feeling was that the necessity for a proper and workable building code for the city was so great that no questions of personal or political advantage should be allowed to interfere.

Rudolph P. Miller, former Superintendent of Buildings of Manhattan and now engineer in charge of the revision of the code, in expressing his gratification at the passage of the three articles at the recent meeting of the Board made it clear that politics did not enter in any way into the work of this revision. Mr. Miller said:

"In the many conferences that were held during the preparation of the several articles thus far adopted there was not the slightest disposition on the part of any one to exert any political or other influence, but all who expressed an interest in the different topics under discussion from time to time were invited to present, orally or in writing, any suggestions or criticisms they had to make. I found that there was a general disposition and co-operation to secure a proper code even on the part of those who were considered the active opponents in the controversies over the previous attempts at revision."

New York's new building code is now three-fourths completed, and after ten years of effort on the part of architects, builders and all others interested in the growth and upbuilding of the city the Board of Aldermen has adopted a code which, according to the views of the best authorities, meets fully the requirements of a city of the size and complexity of New York. The code is the work of Rudolph P. Miller, who was relieved of his office of Superintendent of Buildings that he might undertake it, ably assisted by many of the leading men of the city who are engaged in designing and erecting buildings and in making materials for them. Real estate interests have been represented in the new code making by a selected committee from the Advisory Council.

Practically every section of the old code has been changed materially.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.

—Exchange.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



THE JOHN BAIZLEY IRON WORKS

Office, 514 So. Delaware Avenue, Phila.

Blacksmiths, Boilermakers and Machinists, FIRE ESCAPES, Builders' Iron Work, Boilers, Tanks and Stacks, Railings and Structural Iron Work. Boiler Tubes Safe-ended. Oxy Acetylene Welding.

J. T. JACKSON CO. Real Estate Brokers

Chestnut and 13th, S. E. Cor.
Philadelphia

Branch Office, OAK LANE

RENTS, SALES, MORTGAGES, ETC.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Evangelical Lutheran Church (O), Tio-aa and Mascher streets. H. P. Schneider (C), 3713 Old Yord Road. Cost, \$12,000. Stone church, Tioga and Mascher streets.

Y. Saffer (O), 7724 Avenue D. Chas. Roberts (C), 7712 Shelsoryode avenue. Cost, \$2,300. Dwelling, Seventy-seventh and Buist avenue. Brick, 2 stories, 16x43 feet.

H. Braslovsky (O), Fourth and Kater streets. J. Grochov (C), 4116 Girard avenue. Cost, \$8,000. Brick, 3 stories, 26x48 feet.

Jos. Berg (O), Wister street. Jos. Thuman (C), 92 McCallum street. Cost, \$12,950. Eight dwellings, Phil-Ellena streets. Brick, 2 stories, 14x23 feet.

Tacony Baptist Church (O), Diston and Hagerman streets. Lewis Detrich (C), 3016 Comly street. Cost, \$8,200. Stone, 41x86 feet.

Wm. F. Field (O) and (C), Forty-seventh and Spruce streets. Cost, \$59,600. Twelve dwellings, Sixtieth and Latona streets. Stone and brick, 2 stories, 16x29 feet.

Ferguson & McDowell (O) and (C), 1003 South Fifty-first street. Cost, \$111,700. Forty-nine dwellings, Sixtieth and Latona streets. Stone and brick, 2 stories, 16x29 feet.

Wm. A. Lechler (O), 3705 Germantown avenue. Cost, \$15,200. Four dwellings,

Foulkrod street and Castor avenue. Brick, 2 stories, 16x55 feet.

Ada Kilner (O), 229 North Twentieth street. John J. Galney (C), 1927 Poplar street. Cost, \$14,500. Home, 3311 Haverford avenue.

Chas. Devlin (O), Kensington avenue and Hilton street. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$11,000. Storage, 2 stories, 40x100 feet.

Dr. Jas. Head (O), Green and Mt. Airy avenue. Samuel Harding (C), 20 East Johnson street, Germantown. Cost, \$13,200. Dwelling, Green and Mt. Airy avenue. Stone, 3 stories, 27x62 feet.

Adolph Wieshard (O), 2315 North Front street. H. Brocklehurst, 512 West Norris street. Cost, \$7,500. Dwelling, Front and Allegheny avenue.

Frank D. Williams (O) and (C), 1830 West Venango street. Cost, \$15,000. Five dwellings, Seventh and Butler streets. Brick and stone, 2 stories, 16x36 feet.

Alex. Wiersumierski (O), 1130 Pearl street. Francis J. Jamszewski, 2730 Allegheny avenue (C). Cost, \$3,900. Two dwellings, brick, 2 stories, 16x56 feet.

Walter Miller (O), Hermitage street. C. Morris Swartley (C), 6835 Ridge avenue. Cost, \$3,000. Dwelling, stone and brick, 2 stories, 27x32 feet, Mitchell street and Cinnamon Lane.

Alterations and Additions

Smith Estate (O), Real Estate Trust Building. Pomery Const. Co. (C), 1609 Ranstead street. Cost, \$750. Stores, Olney and Old York Road.

S. L. Baughin (O), 2972 Frankford avenue. John Follongham (C), 3367 Frankford avenue. Cost, \$800. Garage, Stella and Frankford avenue.

Shishler & Sinx (O), 2300 South Eleventh street. Daneil E. Shisler (C), 2300 South Eleventh street. Cost, \$900. Dwelling, Shunk and Beulah streets.

Jas. eGarity (O), 2650 Coral street. Matthew-Morrison Co. (C), 2322 North Howard street. Cost, \$1,500. Dwellings, 2650 Coral street.

Miss Vera De Sano (O), Oak Lane. Cost, \$2,500. Dwellings, Lawnton and Sixty-ninth avenue.

Zion Evangelical Lutheran Church (O), Franklin and Race streets. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$2,500. Church, Franklin and Race streets.

J. C. McLoughlin (O), Lehigh avenue and B street. D. W. Odea (C), 5219 North Fifth street. Cost, \$500. Dwellings, 321 East Lehigh avenue.

Mary Tracy (O), 3825 North Broad street. D. W. Odea (C), 5219 North Fifth street. Cost, \$2,000. Store and dwelling, 1005 West Lehigh avenue.

Infante Bros. (O), 335 South Water street. N. Redmond (C), 4144 Aspen street. Cost, \$3,000. Moving Picture Theatre, Forty-second and Aspen streets.

Spreckles Sugar Ref. Co. (O), Reed and

Meadow streets. Cost, \$1,500. Building, Reed and Meadow streets.

Spreckles Sugar Ref. Co. (O), Reed and Meadow streets. Cost, \$1,600. Filter plant.

Chas. Z. Deyring (O), West End Trust Building. John D. Campbell (C), 48 North St. Bernard street. Cost, \$1,800. Dwelling, 5112 Market street.

Powers, Weightman & Rosengarten (O), Ninth and Parrish streets. Monaghan & Losse (C), 214 South Twelfth street. Cost, \$6,000. Coal Bunkers, Ridge avenue and Callumet streets.

Angelo Fosguirella (O), Hayne avenue and Hogan street. H. C. Sweyer (C), 4435 North Uber street.

Ridge Avenue Hotel Co. (O), Eighteenth and Girard avenue. H. and H. Shoffer, Jenkintown, Pa. Cost, \$600. Hotel, Eighteenth and Ridge avenue.

Jas. Gearity, 2650 Coral street (O). Matthew-Morrison Co., 2223 North Howard street. Cost, \$1,800. Dwelling, 2667 Braddock street.

John Larinzo (O), 305 East Haines street. Geo. C. Foussell (C), 128 East Cheltenham avenue. Cost, \$800. Store and dwelling, 254 East Haines street.

Moore Bread Co. (O), 1119 Spring Garden street. A. R. Raff, 1635 Thompson street. Cost, \$2,000. Bakery, 1109-17 Spring Garden street.

Nannie E. Rey (O), 1722 Berks street. John A. Codori (C), 1235 Arch street. Cost, \$1,100. Dwelling, 1722 Berks street. Leonardo Franco (O), 818 Kimball

street. Luigi Mele (C), 8415 Ashwood street. Cost, \$500. Dwelling, 818 Kimball street.

East Montgomery Avenue E. Church (O), Montgomery avenue and Frankford avenue. John Stohl (C), 311 East Girard avenue. Cost, \$1,500. Church, Montgomery and Frankford avenue.

Frank Bobby (O), 869 Lawrence street. Chas. Schlesman (C), 617 North Sixth street. Cost, \$500. Store and dwelling, 633 Fairmount avenue.

Dr. Jos. Head (O), West Cheltenham avenue. Samuel Harting (C), 20 East Johnson street. Cost, \$1,450. Garage, Greene street and Mt. Airy avenue.

Cupt & Alan (O), Thirty-third and Market streets. Philadelphia Boiler Co. (C), 1737 Filbert street. Cost, \$2,000. Factory, Thirty-third and Market streets.

H. H. Battles (O), 108 South Twelfth street. Jos. F. Myers, Jr., Co. (C), 1237 Ridge avenue. Cost, \$1,000. Store, 114 South Twelfth street.

Harvey J. August (O), S. W. Cor. Fifty-second and Sansom streets. Basch & Co. (C), 1436 South Front street. Cost, \$823. Store and offices, Fifty-second and Sansom streets.

J. Stark (O), 1226 Poplar street. D. Wittenberg (C), 721 Cherry street. Cost, \$1,350. Store and dwelling, 1221 Poplar street.

Kaplan & Rubin (O), Sixth and Snyder avenue. D. Larkins (C), 2029 South Sixth street. Cost, \$900. Store and dwelling, 2334 South Seventh street.

S. Barnett (O), 3024 South Eighty-fourth street. S. Barnett & Sons (C),

Drexel Building. Cost, \$1,200. Store and dwelling, 1922 North Third street.

Russian-Turkish Bath Co. (O), 960 North Eighth street. M. J. Benamy (C), 3042 York street. Cost, \$1,325. Bath house, 956-60 North Eighth street.

Athletic Club of Philadelphia (O), 1626 Arch street. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$20,000. Club house, 1209 Walnut street.

Rev. S. L. Oitijiskj (O), 816 Franklin street. Geo. F. Pawling Co. (C), 1400 Vine street. Cost, \$2,000. Convent, 932 North Seventh street.

Lit Bros. (O), Eighth and Market streets. P. M. Sax (C), 812 Heed Building. Cost, \$2,500. Stable and garage, Twentieth and Alter streets.

Panicello (O), 808 Catharine street. D. Poppano (C), 1211 Wharton street. Cost, \$1,400. Store and dwelling, 806 Catharine street.

A. E. Hushman (O), Lincoln Building. P. Savar (C), 718 Snyder avenue. Cost, \$600. Dwelling, 5545 Master street.

William Powers (O), Forty-fourth and Lancaster avenue. Cost, \$500. Garage, Lancaster avenue.

Geo. C. Diemer (O), East Penn street. Geo. W. Whiteman (C), 403 East Penn street. Cost, \$500. Garage, 78 East Penn street.

W. Nardy (O), 1237 Kimball street. F. Nardy (C), 1228 Fitzwater street. Cost, \$700. Store and dwelling, 763 South Thirteenth street.

F. Nardy (O) and (C), 1228 Fitzwater street. Cost, \$700. Dwellings, 3436 Ludlow street.

ENLIGHTENING THE BUILDING FRATERNITY

As I think I have said before in these attempts at enlightening the building fraternity—for such I assure the doughty reader they are—my sole object is the improvement of the condition of all who live by building—both architects and builders.

If I could have my way, no honest and well-meaning builder should ever do a stroke of work that was unprofitable. Every single job should have at least ten per cent. profit in it, provided only the honest fellow deserved it. If he had been guilty of conspiring with his workmen by inducing them to pull his chestnuts out of the fire in consideration for his raising their wages to a prohibitive point, I would still, I think, pass laws guaranteeing him against loss, just as our national lawmakers are now about to do for other interests. I think I should do this. I am not quite sure.

And I would fix things up so that every architect should be paid a living fee for everything he did in the line of his profession. Every man or woman of voting age who got an architect to make a sketch or tell how to mix concrete or whether shingles were cheaper than tile for a roof, every single one of them should get a bill which he or she must pay or go to jail—no, which he or she must, or the Government will, pay.

If the pay of mechanics were to remain what it is now I should make the huskies work. O, how they would have to hustle! I think they'd be glad to accept a reduction

rather than submit to the driving they would get. Incidentally, if they could only get a good, square, intelligent grasp of the situation as it relates to themselves and their wives and children, I believe that all trade unionists, except the walking delegates and some few socialists and anarchists who are to be found among them, would be glad to accept a big reduction in wages—a reduction of half. You know the precarious and unsteady job is now almost the rule with these poor fellows.

I could perhaps fill up my whole space with words about the unfortunate mechanic who has faithfully helped to build up his union by paying dues and refusing to work with any who are not also union men in good standing—the unfortunate mechanic whose services are so dear that nobody wants him a minute after he can be spared.

I could tell stories of well-meaning fellows who find that porterhouse steaks are no nearer now than they were before. And some of these well-meaning fellows, observing the ill-siveness of the aforesaid steak, get themselves into a bad state of mind toward society if they happen to be of a philosophic disposition. That's why one sometimes hears of anarchists in a trade union.

There's another "kind" of union—a labor union—which may be full of anarchists for all that I know; but the trade union is different, especially the building trade union. In these unions wages—rather I should say

O. W. KETCHAM

Manufacturer of

**Ornamental Terra Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

**Carpenters, Builders and Contractors
2125 Race St., Phila.**

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO. Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

**In Painting and Renovating
Stone, Brick and Terra-
Cotta Work**

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Raunstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

the rate of wages—is enormous; but wages themselves—well, as the majority of the members of the unions will tell you, “there isn’t any.”

There are three components or divisions of this building world, or at least there are three general groups which produce the present situation—architects, builders and artisans or mechanics.

The owner when he goes to market to buy a house does not go to a shop and pick out his fancy and take it home with him.

Ah, here comes that old chestnut about building being so different. Perhaps there’s some builder reading this—or some architect—who has heard before of building being so different. “Oh, why don’t they leave us alone? It’s these reformers, these talkers, these lecturers that stir up the trouble. Why don’t they go back to the farm and let us go on with our business the way we used to?” My answer to such is that it is not the reformer that has found you out. It is somebody else who shakes you down with mercy. If you would listen to the reformer you would learn what is the matter with yourself and be able to protect yourself.

For the three divisions of building that I have spoken of are three splits in the log that is to be made into fire wood. More divisions follow—are really there all the time for the woodchopper to find and complete his job of destruction.

The owner when he goes to market to buy a house does not go to a shop and pick it out and either leave it or pay the price for it. No, he goes to an architect or a builder to whom he has to describe what he wants and the architect or builder has to imagine what the owner wants to buy.

I will spare my intelligent reader the account of how once upon a time the three that I speak of (architect, builder and mechanic) were one and how it was a comparatively simple matter for the owner to deal with a building proposition—how buying a building was in some sense like buying other things and the builder sold on his reputation just as merchants do now, because that was the general custom; the means of competition had not been devised.

I will spare the account of the gradual entrance of competition and the gradual disappearance—not literally and completely, but generally speaking and as a rule to which, thank Heaven, there are still some exceptions—the gradual disappearance of that element of business that is its saving grace—character.

If the builder ever was a merchant like other merchants, selling a finished product like other merchants—and I believe he was such—he has passed into eclipse. His business is in process of being taken to pieces, resolved into its separate parts. Whether it will ever be put together again or how it will be put together again I do not undertake to say.

To-day the owner who desires to buy a building will find ready to his hand a machinery of competition that is fearfully and terri-

bly developed as a result of abuses that called it into existence. By the use of this machinery the architect and the builder are made to fight it out between them to the detriment of each. What architect that has had his work done by an ignoramus of a builder does not know this? And what builder that has had to do work for an impractical architect does not rot in his secret heart that this is so? (Notice the way I favor the architect with my adjectives, doughty reader. I know which side of the bread has the butter on it.)

Fight it out is the phrase to use. With the owner or his agent watching the two, it’s fight or be lost for whichever of the two you choose to consider. If you don’t think so, if you thing this is too unkind or too rank a comparison, look around you. What becomes of the architect that is kind to the builder?

The clients will show this architect some day.

As for the builder who is too considerate toward the architect—well, that’s a joke to-day. There are some builders left who can patronize the architects, but they don’t stand in that relation any more as a rule. If the builder has a “construction company” contract including architectural service and is beholden to the owner only as a business proposition, then he (the builder) can do as he pleases without hurting himself with his customer—not client in this case. But if the relation to the owner is such that the owner is a silent of the builder—not a customer—and any friendly act toward the architect is colorable in the owner’s judgment as being against the owner’s interest, then trouble is in store for the builder.

Architect and builder, under the present system, are made to be opposed to each other. They are made to fight for the crumbs that fall from the mechanics’ table, a statement which I shall attempt to prove next month.—Theodore Starrett, in “Architecture and Building.”

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie’s Weekly* that he wasted at least a quarter of a million dollars “before he learned the advertising game.” He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

Read “The Guide.” Read it all through. Don’t let a single item escape your notice. You’ll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

You can’t hire loyalty; you have got to deserve it.—Ex.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for “Proposal” advertising. “The Builders’ Guide” is the Only Medium in this Field.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect’s Office, Washington, D. C., June 22, 1915.—Sealed proposals will be opened in this office at 3 p. m., August 16, 1915, for the construction (except mechanical equipment, elevator, lifts, and dumb waiter) of the Immigration Station at Baltimore, Maryland, including pipe tunnels, approaches and wharf. One four-story, one three-story, and two two-story buildings of fireproof construction, with slate, tile and composition roofs; brick faced, with stone base; stone and terra cotta trimmings; approximately 43,000 square feet total ground area. One wharf 25 feet by 260 feet; wood construction. Drawings and specifications may be obtained after July 9, 1915, from the Commissioner of Immigration, Baltimore, Maryland, or at this office at the discretion of the Acting Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect’s Office, Washington, D. C., July 1, 1915.—Sealed proposals will be opened in this office at 3 p. m., August 13, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of a one-story and basement stone-faced building of 4,000 square feet ground area, fireproof construction, composition roof, for the United States post office at Gardiner, Me. Drawings and specifications may be obtained from the custodian of site at Gardiner, Me., or at this office, in the discretion of the Acting Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect’s Office, Washington, D. C., July 1, 1915.—Sealed proposals will be opened in this office at 3 p. m., August 12, 1915, for the construction, complete (including mechanical equipment [except lighting fixtures] and approaches), of a one-story-and-basement, brick-and-stone faced building of 6,300 square feet ground area, partly fireproof construction, composition roof, for the United States post office at North Attleboro, Mass. Drawings and specifications may be obtained from the custodian of the site at North Attleboro, Mass., or at this office, in the discretion of the Acting Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scripper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.).

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Aaolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fire Doors and Shutters.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Stairs.

Philadelphia Fire Retardant Co.,
1614 Cherry st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Howard Ketcham, 3rd & Girard ave., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trus. Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility." Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co., Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

PHILADELPHIA
WHITE SAND
BAR SAND AND
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS.
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL OFFER



You have experimented with many waterproofing
compounds containing "Stearates" or other Soaps.
IMPERVITE is not a soap: it is the only compound
which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is
better than two pounds of Soap Compound.



We can send you Official Govern-
ment Tests and scores of
enthusiastic letters from Users—
but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we
are willing to send you 25 pounds
of Impervite for \$2.00 (freight
prepaid by us) with the understand-

ing that if it does not prove more
efficient than the compound you
are now using, you will be under no
obligation to pay us. We are willing
to let YOU be the judge. Write
to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 29.

PHILADELPHIA, WEDNESDAY, JULY 21, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

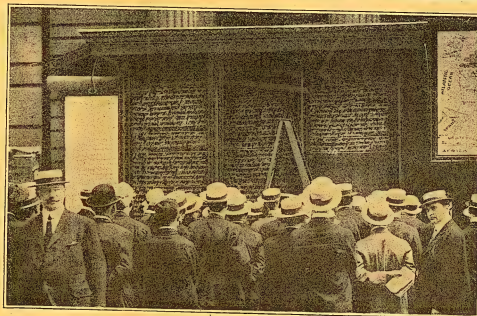
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street . . . Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Courts, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

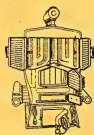
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The **PIERCE-SCHMIDT CO. Inc.**
BULLETIN BUILDING, PHILA. PA.

— MILLS —

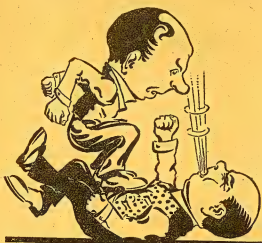


"Reputation"

Some of the most famous buildings in the country are equipped with Mills Water Tube Boilers.

They are always found where "GOOD QUALITIES" count.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Audubon Wire Cloth Co., Inc.

AUDUBON, N. J.

Announce their succeeding the
Strawbridge & Chase Co.
 OF PHILADELPHIA, PA.

Emphasizing the fact of no change
 in management or conduct
 of the business

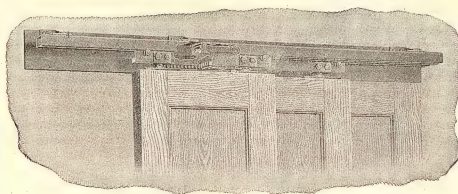
We wish further to let our friends and customers
 know of our increased facilities, new initiative
 and increased endeavors to give prompt delivery,
 service and low figures consistent with the quality
 of our products.

Audubon Wire Cloth Co., Inc.

Manufacturers of

Wire Cloth in Brass, Copper, Steel and Galvanized
 Wire Screening, Sieves and Window Guards

AUTO TRUCK DELIVERING DAILY IN PHILADELPHIA, PA.

**IDEAL
Elevator Hanger**

IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of
 efficiency in composition
 flooring has been ob-
 tained in Leatherfloor.
 It is fire-proof, water-
 proof, dust-proof, germ
 and vermin-proof, noise-
 less, non-slipping, flexible,
 elastic and inexpensive.

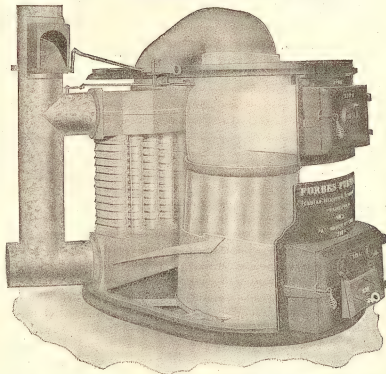
Leatherfloor is admirably
 adapted for floors, base and
 wainscoting, in Hospitals, Asylums, Schools, Churches,
 Libraries, Theatres, Hotels, Restaurants, Apartment Houses,
 Factories, Stores, Banks, Steamships, Yachts, Railroad Cars,
 Etc. wherever a smooth, sanitary, fire and water-proof flooring
 is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

**HOT AIR
The Healthiest Heat****THE FORBES FURNACE**

insures a warm house with a
 minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction.
 Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, install-
 ations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES

Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keytone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1511 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER
WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers
 Drawing Materials, Engineering Supplies
MAIN HOUSE AND FACTORY: PHILADELPHIA
 Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting
ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel. Keep out Dust.
Afford Protection against Drafts.
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.
 S. B. MACDOWELL & SON, Representatives
 1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 29.

PHILADELPHIA, WEDNESDAY, JULY 21, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (56), Sansom street, south of Cobbs Creek Park, Philadelphia. Architect, private plans. Owner, James N. Mitchell, 4 South Markoe street, Philadelphia. Brick, 2 stories, 16x45 feet, and 16x58 feet, slag roof, hot water heating, tile baths, hardwood floors. Plans in progress. Owner will take sub-bids in one week.

Meeting Hall (alt. and add.), 1924 Germantown avenue. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, name withheld. Brick and stone, 3 stories, 19x70 feet, slag roof, steam heating, electric lighting, metal lath. Plans in progress. Architect will take bids in a few days.

Toilet Building, Girard College Grounds, Philadelphia. Architect, James H. Windrim, Commonwealth Building, Philadelphia. Owners, Girard Estate, Lafayette Building, Philadelphia. Brick and concrete, 1 story, 187x22 feet, slate roof, waterproofing, electric lighting, tile work, hot water heating, reinforcing bars. Revised plans in progress.

Office Building (alts.), southwest corner Juniper and Chestnut streets. \$60,000. Architect, private plans. Owners, Weightman Estate, care James S. Talley, superintendent, 1931 Market street, Philadelphia. Consists of alterations to first floor for stores, new front, electric lighting, tile work. Owners will take sub-bids on all work.

Trestles, Morris street, east of Swanson street, Philadelphia. \$35,000. Architect, private plans. Owners, Baugh & Sons Co., 20 South Delaware avenue, Philadelphia. Concrete, steel and timber. Owners taking bids, due July 24th. The following are figuring: Graham-Campion Co., Heed Building; Wm. Steele & Sons Co., 1600 Arch street; J. Myers & Sons Co., Witherspoon Building; Wm. R. Dougherty, 1610 Sansom street; F. W. Van Loon, Denckla Building, all of Philadelphia.

Garage (alt. and add.), St. Martin's, Philadelphia. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Mrs. Phoebe J. Clemens, St. Martin's, Philadelphia. Stone and stucco, 2 stories, 18x22 feet, tile roof, electric lighting, hot water heating. Architects have received bids.

Residences (10), Fifty-sixth and Pine sts., Philadelphia. Architect, private plans. Owner, F. C. Michaelsen, 501 North Fifty-second street, Philadelphia. Brick, 2 stories, 16x46 feet, hot water heating, slag roof, tile bathroom, hardwood floors. Plans in progress. Owner will take sub-bids in one week.

Club House (alts.), 239 South Camac street, Philadelphia. \$2,500. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Poor Richard Club, on premises. Brick, 2 stories, consists of interior alterations. Plans about completed. Architect will take bids in a few days.

Stores and Apartments, Broad and Rockland streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Louis and Benjamin Fox, 4910 North Broad street, Philadelphia. Brick, 3 stories, 32x69 feet, tile and slag roof, hot water heating, electric lighting, tile work, papyrus floors, metal lath. Owners have received bids.

Freight House, Front and Reed streets, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station. Owners, Penna. Railroad Co., Broad Street Station. Reinforced concrete and steel, 1 and 2 stories, 30x450 feet, slag roof, electric lighting, steel rolling doors. Owners have received bids.

Residence (remodeling), 5908 and 10 Lansdowne avenue, Philadelphia. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, George H. McClatchy, on premises. Brick and stone, 3 stories, steam heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in about two weeks.

Apartment House, Philadelphia. Architect, Wm. Wesley Keefer, 24, 1802 Chestnut street, Philadelphia. Owners, name withheld. Brick, terra cotta and steel, fireproof, 8 stories, 45x 60 feet, slag roof, steam heating, electric lighting, tile and terrazzo floors, ornamental iron work, metal lath. Architect taking approximate bids. Frank G. Stewart, 1619 Sansom street, is figuring. Final bids will be taken in about ten days.

Store Building, 1335 Vine street, Philadel-

phia. \$8,000. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, name withheld. Brick and terra cotta, 3 stories, 16x80 feet, slag roof, steam heating, electric lighting, metal lath, fire doors, tile work. Architect has received bids.

Residences (75), Sixty-second and Larchwood avenue and Sixty-second and Hazel avenue, Philadelphia. Architect, private plans. Owners, Klaus & Baxter, Woodland avenue and Yewell street, Philadelphia. Brick, 2 stories, 16x45 feet, hot water heating, slag roof, electric lighting, hardwood floors. Plans in progress.

Residences (28), Fifteenth and Lindley avenue, Philadelphia. Architect, private plans. Owners, Boulevard Realty Co., Nineteenth and Butler streets, Philadelphia. Brick, 2 stories, 16x58 feet, hot water heating, slag and slate roofs, tile bath room, hardwood floors, electric lighting. Work about to be started.

Residences (57), Fifteenth and Lindley avenue, Philadelphia. Architect, private plans. Owners, Boulevard Realty Co., Nineteenth and Butler streets, Philadelphia. Brick, 2 stories, 16x58 feet, hot water heating, slag and slate roof, tile bath rooms, hardwood floors. Plans in progress. Owners will take sub-bids in one month.

Residence, Welsh and Pine roads, Fox Chase, Pa., \$7,500. Architect, Richard McCaskey, Winona avenue and Pulaski avenue, Germantown. Owner, Dr. William R. Sutch, 2638 North Fifth street, Philadelphia. Stone or hollow tile, 2½ stories. Plans in progress. Too early for details.

Bank and Office Building, 1416-1418 Chestnut street, Philadelphia, \$1,000,000. Architects (associated), Furness, Evans & Co., Provident Building, Philadelphia, and McKim, Meade & White, 101 Park avenue, New York City. Brick, stone, steel, fireproof bank building, 1 story, 54x64 feet; office building, 20 stories, 16x54 feet, composition roof, steam heating, power plant, elevators, tile and marble work, electric lighting. Architects taking bids, due July 28th. The following are figuring: Cramp & Co., Denckla

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086
KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

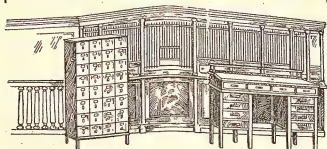


Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

CABINET WORK



Be sure and get our prices before you buy your Office Partitions, Cabinet Work, Store Fixtures, Bank and Office Fixtures, or anything in interior wood work.

Office Partitions "Our Hobby"

Weiss Bros. Mfg. Co.
450-52 N. 12th Street
Philadelphia, Pa.



The NEW Round ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

Building; George & Borst, 277 South Eleventh street; George A. Fuller Co., Morris Building; Jacob Myers & Sons Co., Witherspoon Building, all of Philadelphia, and the Thompson Starrett Co., 49 Wall street, New York City.

Hospital (alts.), Eighteenth and Lombard streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, Polyclinic Hospital, Eighteenth and Lombard streets. Consists of general alterations, composition roof, metal lath, tile work, electric work (elevator enclosures and iron standards and heating separate bids). Architects taking bids, due July 22nd. The following are figuring: William R. Dougherty, 1610 Sansom street; J. S. Cornell & Son, Land Title Building; F. E. Wallace, 1220 Chancellor street, and Stacy Reeves & Sons Co., 2011 Market street, all of Philadelphia.

Residences (82), Memphis and Auburn sts., Philadelphia. Architect, private plans. Owner, James Arthur, 3206 North Second street, Philadelphia. Brick, 2 stories, 14x46 feet, slag roof, hot water heating. Work about to be started.

Warehouse, 504 North American street, Philadelphia. Architect, private plans. Owners, Pottash Bros., on premises. Brick, 4 stories, 45x100 feet, slag roof, electric lighting. Owners taking an additional bid. Harry Gill, Jr., 2515 Germantown avenue, is figuring.

Engine House, Wheat Sheaf lane and Gaul street, Philadelphia. Architect, private plans. Owners, F. W. Tunnell & Co., 5 North Fifth street, Philadelphia. Brick, 1 story, 30x60 feet, slag roof, electric lighting, cement floors. Owners taking bids, due July 20th. F. A. Havens & Co., 845 North Nineteenth street, are figuring.

Factory Building, Twenty-third and Market streets, Philadelphia. Architect, M. H. Dickinson, Empire Building, Philadelphia. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Reinforced concrete and brick, 7 stories, 210x150 feet, slag roof, steam heating, electric lighting, steel frames and sash, metal fire doors, elevators, power plant. Plans about to be started.

Freight House (remodeling), Thirteenth and Calowhill street, Philadelphia. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Brick and steel, 1 story, 524x33 feet, rolling steel doors, steel

frames and sash, structural iron work. Owners taking bids, due July 24th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; J. Sims Wilson Co., 1125 Brown street; Charles Gilpin, Harrison Building; H. E. Baton, Twelfth and Sansom streets; A. L. Carhart, Heed Building; Burd P. Evans & Co., Thirteenth and Wallace streets; F. L. Hoover & Sons, 1023 Cherry street; Armstrong & Latta, Land Title Building; Thomas C. Trafford, 1613 Sansom street; F. W. Van Loon, Denckla Building; Irwin & Leighton, 126 North Twelfth street; Fidelity Construction Co., Heed Building, all of Philadelphia.

Factory, Cottman and Keystone streets, Philadelphia. Architect, Bart Tourison, Land Title Building, Philadelphia. Owners, L. H. Gilmer Co., 52 North Seventh street, Philadelphia. Reinforced concrete, 2 stories, 50x150 feet, slag roof, steam heating, electric lighting, steel sash. Plans in progress. Architect will take bids in about one month.

Y. W. C. A. Building (alts.), 5503 Germantown avenue, Philadelphia. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owners, Y. W. C. A., on premises. Brick, 3 stories, tin roof, dumb waiter, steam heating, electric lighting, metal lath, composition floors. Architect taking bids, due July 23rd. The following are figuring: Pomeroy Construction Co., 1609 Ranstead street; William C. Wright, 22 Harvey street; William J. Grahler Co., 219 East High street; Thomas M. Seeds, 1207 Race street, Philadelphia.

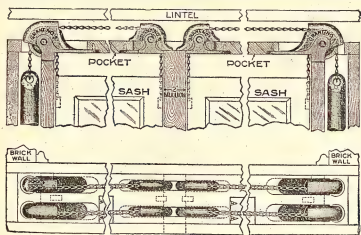
Church, Fifty-seventh and Race streets, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Mount Carmel Baptist Church, Rev. Thos. D. Atkins, 143 North Fifty-eighth street, Philadelphia. Stone, 1 story, 50x85 feet, slate roof, electric lighting, vapor vacuum heating. Architect taking bids, due July 22nd. The following are figuring: A. Whiteheat, Inc., 1624 Latimer street; Gaffney Const. Co., 1637 Poplarstreet; P. J. Hurley, 1233 Cherry street; Thomas Little & Son, 1713 Moravian street; J. D. Fisher, 5718 Market street, and Mitchell Bros., 2125 Race street, Philadelphia.

Warehouse, American and Diamond streets, Philadelphia. Architect, M. Ward Esby, Frozer Building, Philadelphia. Owners, John Scott & Co., on premises. Brick, 4 stories, 50x125 feet, slag roof, steam heating, electric lighting. Architect taking sub-bids on all lines, due July 23rd.

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

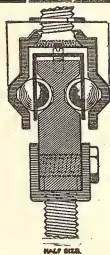
BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY
Philadelphia Office, Land Title Building.

Garage, Germantown, Philadelphia. Architect, private plans. Owner, Mrs. James W. Osborne, 32 West Washington lane. Brick, 1 story, 50x65 feet, slag roof, electric lighting,

ceement floors. Owner taking bids. William J. Gubler Co, 219 East High street, and E. A. Heffner, 6361 Jefferson street, Germantown, are figuring.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage, 17 West Rittenhouse street, Germantown, Architect, private plans. Owner, H. W. Lovelidge, 17 West Rittenhouse street, Germantown. Consists of alterations and new addition. Contract awarded to Geo. C. Fossel, 128 East Chelton avenue.

Drug Store and residence (alt. and add.), Twenty-second and Hunting Park avenue. Architect, Thomas B. Temple, Mt. Vernon, N. Y. Owner, George L. Carnan, on premises. Brick, 3 stories, asbestos or slag roof, (heating, plumbing and electric work reserved). Contract awarded to Stocker & Hastings, 1320 North Carlisle street, Philadelphia.

Residence (alt. and add.), 3519 N. Twenty-second street, Philadelphia. Architect, R. C. Loos, 1017 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, tin roof, oak floors, electric lighting, vapor vacuum heating. Contract awarded to Central Cabinet Mfg. Co., 529 North Ninth street.

Residence and Garage, Wissahickon avenue, Philadelphia. \$30,000. Architects, Brockie & Hastings, 1715 Sansom street, Philadelphia. Owner, Arthur W. Jones, 411 West Chelton avenue, Philadelphia. Stone, 2½ stories, 107 x35 feet, Garage, 33x47 feet, shingle roofs, canvas floors, oak floors, electric lighting, warm air and hot water heating, tile work, metal weather strips. Contract awarded to Fred Elvidge & Son, 5522 Germantown avenue.

Residence (alt. and add.), St. Martin's, Philadelphia. \$4,500. Architect, Herbert J. Wetherill, 328 Chestnut street, Philadelphia. Owner, Herbert J. Wetherill, 328 Chestnut street, Philadelphia. Stone and frame, 2½ stories, consists of general interior and exterior alterations. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Store Building (alt. and add.), 830-32 North

Broad street, Philadelphia. Architect, private plans. Owners, Standard Rubber Tire Co., on premises. Brick, 1 story, 20x75 feet, steam heating, electric lighting, and general alterations to present building. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

Offices (alts.), 1816 Chestnut street, Philadelphia. \$3,300. Architect, private plans. Owners, American Sunday School Union, 1816 Chestnut street. Consists of general interior alterations to offices. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Church (alts.), Tabor road, Olney, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, St. James' M. E. Church, Rev. E. F. Randolph, 137 East Tabor road, Philadelphia. Consists of new gallery. Contract awarded to Cornelius West, 1034 Herbert street, Frankford, Philadelphia.

Residence (alt. and add.), 535 West Horter street, Germantown. Architect, H. W. Sellers, Stephen Girard Building, Philadelphia. Owner, Miss Mary Potts, on premises. Stone and stucco, 2 stories, shingle and tin roof, metal lath (heating, electric work and tile work reserved). Contract awarded to William C. Wright, 22 Harvey street, Germantown.

Residence and Garage, Chestnut Hill, Philadelphia, Crefelt avenue, \$40,000. Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owner, J. Warner Butterworth, 1830 Rittenhouse Square, Philadelphia. Stone, 2½ stories, 27x78 feet and 35x31 feet; garage, 25x28 feet, tile roofs, reinforcing bars, metal lath, tile work, oak floors (heating and electric work reserved). Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

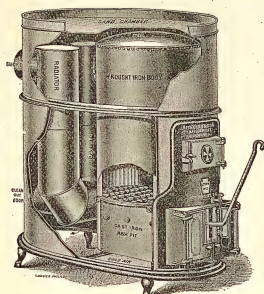
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Your new homes, no matter how simple and inexpensive, should have

All Gas Kitchens

We will be glad to assist you in selecting the proper gas appliances for your requirements and estimate on the cost of installation.

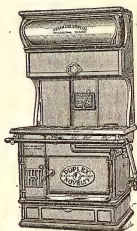
Our ideas may save you money. Call up our Builders and Operators Division.

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.



"NOVELTY" REMINDERS

"DUPLEX NOVELTY"

COMBINATION COAL AND GAS RANGE

Low in price but high in popular favor. Made to meet the demand for a high class combination range for use in houses of a very moderate price.

COMPACT and COMPLETE and always ready for the use of either coal or gas, or both. Nothing to change.

WRITE FOR "DUPLEX" LITERATURE

Made in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

PENNSYLVANIA Construction News

Garage, Reading, Pa., \$7,000. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owner, C. E. Roberts, 1352 Locust street, Reading, Pa. Brick, 1 story, 50x100 feet, slag roof, hot water heating, electric lighting, cement floors. Plans in progress.

Bungalow, Mt. Penn, Pa. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owner, L. P. Allen, 122 North Ninth street, Reading, Pa. Frame and stucco, 1 story, 25x34 feet, shingle roof, hot air heating, electric lighting, metal lath. Plans in progress.

Bank and Lodge Building (alt. and add.), Hummelstown, Pa., \$20,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Farmers' National Bank, Hummelstown, Pa. Brick and stone, 3 stories, 36x60 feet, slate roof, vapor heating, electric lighting, tile and marble work, metal lath. Owners have received bids.

Home (alt. and add.), Bala, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owners, Home for Training in Speech of Deaf Children, Bala, Pa. Brick, frame and rough cast, 3 stories, tin roof, metal lath, electric lighting, (steam heating reserved). Architects have received bids.

Residence, Narberth, Pa. Architect, private plans. Owner, James MacMackin, 41 South Fifteenth street, Philadelphia. Hollow tile and plaster, 2½ stories, 44x24 feet, wing 28x24 feet, shingle roof, steam heating, oak floors, electric lighting, tile work, dampproofing. Owner is taking sub-bids.

Residence, Cynwyd, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, W. E. Loneragan, Cynwyd, Pa. Stone, 2½ stories, 18x66 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architect taking bids, due July 21st. The following are figuring: E. J. Hedden, Finance Building; John E. Kearney, 327 North Sixty-third street; A. L. Fretz & Son, 1222 Chancellor street; Alfred James, Bala, Pa.; Mowrer Bros., Merion, Pa.

Garage, Villa Nova, Pa. Architects, Broekie & Hastings, 1713 Sansom street, Philadelphia. Owner, H. Howard Ellison, 1953 Locust street, Philadelphia. Hollow tile and plaster, 2 stories, 26x36 feet, slate roof, metal lath, cement

floors. Builder H. H. Burrell, 206 South Quince street, Philadelphia, taking sub-bids.

Passenger Station, Tunnels and Platform, Johnstown, Pa., \$150,000. Architect, Kenneth M. Murchison, 101 Park avenue, New York City. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Brick, stone and steel, fireproof, 2 stories, 70x150 feet, slate roof, steam heating, electric lighting, metal lath, concrete fireproofing, tile and marble work. Plans completed. Owners will soon take bids.

School Building, Highland Park, Pa., \$50,000. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owners, Upper Darby School District, J. Milton Lutz, secretary, Llanerch, Pa. Stone, 2½ stories, 100x137 feet, slate roof, (heating, plumbing and electric work separate bids). Owners taking bids, due July 26th, at 7 P. M. The following are figuring: M. Roy Sheen, 450 North Wilton street; John N. Gill & Co., Heed Building; Edward Fay & Son, 2 South Mole street; Jas. B. Flounders, 1329 Arch street; P. J. Hurley, 1233 Cherry street; Mitchell Bros., 2135 Race street; Ketcham & McQuade, 1029 Brown street; Loos & Dothard, Commercial Trust Building; W. W. Anstine & Co., 1218 Filbert street, all of Philadelphia.

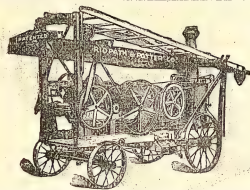
Residence (alt. and add.), Cynwyd, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Francis Vaux Wilson, Cynwyd, Pa. Stone and frame, 2½ stories, shingle roof, oak floors, tile work, wire lath, (plumbing, heating and electric work separate bids). Architects taking bids, due July 21st, at noon. The following are figuring: James H. Wells, Heed Building; A. L. Fretz & Son, 1222 Chancellor street; Jas. H. Wells, Heed Building; Jas. E. Kearney, 327 North Sixty-third street; E. C. Ballinger & Co., 126 North Twelfth street; H. E. Grau Co., 1707 Sansom street; J. P. Thompson, Real Estate Trust Building.

Residence, Radnor, Pa., \$40,000. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, John S. Bioren, 715 Chestnut street, Philadelphia. Stone, 2½ stories, 30x100 feet, slate roof, tile work, oak floors, metal lath, waterproofing, (heating and electric work reserved). Architects taking bids,

**The Broomell System
of Vapor Heating**

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

**HARTMAN BLDG.
VAPOR HEATING CO., YORK : PA.**



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

due July 22d. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; R. C. Ballinger & Co., 218 North Thirtieth street; Wm. B. Dougherty, 1610 Sansom street; Frank E. Wallace, 1220 Chancellor street; Specht & Sperry, Heed Building; A. L. Fretz & Con, 1222 Chancellor street, all of Philadelphia.

Bungalow, Lansdale, Pa., \$3,000. Architect, M. B. Bean, Lansdale, Pa. Owner, E. R. Overholder, Lansdale, Pa. Stone, 1½ stories, 27x26 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

Garage, North Wales, Pa., \$6,000. Architect, M. B. Bean, Lansdale, Pa. Owners, North Penn Motor Co., Inc., North Wales, Pa. Brick, 1 story, 60x125 feet, composition roof, steam heating, electric lighting, concrete floors. Plans in progress.

Hall and Fire House, Millbourne, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owners, Borough of Millbourne, E. S. Opydyke, Secretary, 6417 West Chester road, Millbourne, Pa. Stone, 2½ stories, 33x45 feet, shingle roof, hot water heating, electric lighting, concrete floors, reinforcing bars. Lowest bid submitted by Burt P. Evans & Co., Thirteenth and Wallace streets, Philadelphia, \$5,094.

Residence, Morton, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Miss M. G. O'Hara, Morton, Pa. Stone and frame, 2½ stories, 30x46 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

Residence, Morton, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Miss M. G. O'Hara, Morton, Pa. Stone and frame, 2½ stories, 30x46 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

Residence, Ambler, Pa. Architect, Wesley Mullin, Maple Glen, Pa. Owner, Harold G. Knight, Witherspoon Building, Philadelphia. Hollow tile and plaster, 2½ stories, 42x32 feet, shingle roof, electric lighting (heating reserved). Owner taking sub-bids.

Filtration Plant, Langhorne, Pa. Engineer, W. H. Boardman, 426 Walnut street, Philadelphia. Owners, Langhorne Spring Water Co., Langhorne, Pa. Filtration bed, 30x30 feet, 1 story; building, 19x19 feet, concrete slate roof. Engineer has received bids.

Residence (alts.), Beth Ayres, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, W. Paul O'Neill, 328 Walnut street, Philadelphia. Stone, 2½ stories, shingle roof, new plumb-

ing, plastering, tile work, electric lighting (hot air heating and hardwood floors reserved). Architects taking bids, due July 27th. The following are figuring: Eugene Tourison, 1001 Chestnut street; W. John Stevens, Wynecote, Pa.; Specht & Sperry, Heed Building, Philadelphia.

Sub-Station, Eddystone, Pa. Architect, J. H. Windrim, Commonwealth Building, Philadelphia. Owners, Beacon Light Co., 515 Market street, Chester, Pa. Hollow tile and concrete, 1 story, 28x35 feet, slag roof, reinforcing bars. Architect taking bids, due July 21st. The following are figuring: Pomeroy Construction Co., 1609 Ransstead street; H. E. Baton, Twelfth and Sansom streets; Fidelity Construction Co., Heed Building; Charles Gilpin, Harrison Building, Philadelphia.

Factory (alts.), Thurlow, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Thurlow Worsted Mills, Thurlow, Pa. Consists of general alterations to 2-story brick building, slag roof, fire doors, steel doors. Architect taking bids, due July 23rd. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; John N. Gill & Co., Heed Building; Pomeroy Const. Co., 1609 Ransstead street; J. Richard Jackson, Perry Building; H. E. Baton, Twelfth and Sansom streets; A. L. Fretz & Sons, 1222 Chancellor street; Ketcham & McQuade, 1029 Brown street, Philadelphia.

Residence (alt. and add.), Bryn Mawr, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Carroll B. Nichols, Bryn Mawr, Pa. Stone and plaster, 2½ stories addition, 24x33 feet, shingle roof, tile work, oak floors, electric lighting (heating reserved). Architects taking bids, due July 23rd. The following are figuring: Graham-Campion Co., Heed Building; Wolf & Dilworth, Bryn Mawr, Pa.; Gray Bros., Rosemont, Pa.; John T. Worrell, Rosemont, Pa.

Residence, Elkins Park, Pa. Architect, private practice. Owner, Dr. Edward B. Dewhurst, 1906 Chestnut street, Philadelphia. Hollow tile and plaster, 2½ stories, 29x47 feet, shingle roof, oak floors, tile work, wire lath, electric lighting, hot water heating. Owner taking bids, due July 21st. James B. Flounders, 1329 Arch street, Philadelphia, is figuring.

A retailer may fool himself by failing to charge all his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—*Ex.*



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag

Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

EST'D 1815 - ED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1422 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

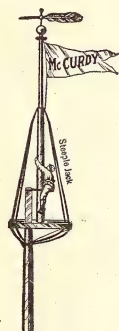
Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

THE FAIRBANKS CO.
PHILADELPHIA

VALVES AND SCALES



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

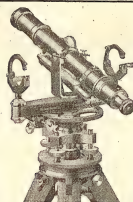
Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th St.
Philadelphia, Pa.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.—Exchange.



THE UP-TO-DATE BUILDER
the man who is successfully meeting competition, recognizes the exclusive advantages of the

"Sterling" Convertible Builders' Level

If you need a Level or a Transit call or write today for catalog S. W., Folder No. 4 and details of FREE EXAMINATION PRIVILEGE now available.

"Sterling" Transits and Levels are superior to any similar priced instrument made. Ask the man who has one.

We repair
Transits
Levels

WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

PHILADELPHIA

Rebuild
Instruments
For Sale
or Rent

PENNSYLVANIA

Contracts Awarded

Factory, Hazleton, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Hazleton Bleach Works, Hazleton, Pa. Brick and concrete, 2 stories, 119x42 feet, slag roof, steel sash, fire doors, reinforcing bars, (plumbing, heating and electric work reserved). Contract awarded to Jacob Jacoby, Hazleton, Pa.

Residence (alt. and add.), Wynnewood, Pa. Architects, McIlvain & oberts, Land Title Building, Philadelphia. Owner, Ralph B. Evans, Wynnewood, Pa. Stone and plaster, 2½ stories, 22x12 feet, shingle and canvas roof, electric lighting, hot water heating. Contract awarded to Gray Bros., Rosemont, Pa.

Residence (alt.) and Garage, Malin Hall, Chester Co., Pa., \$6,000. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Mrs. W. C. Quick, care architect. Consists of general alterations to interior of residence, 4 new bathrooms, tile work, Garage, 1 story, 30x20 feet, shingle roof, installation of heating and lighting plant. Contract awarded to Gaffney Const. Co., 1637 Poplar street, Philadelphia.

Barn (alts.), Elkins Park, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, P. A. B. Widener, Land Title Building, Philadelphia. Stone, 2 stories, consists of interior alterations. Contract awarded to Geo. F. Payne Co., 401 South Juniper street, Philadelphia.

School Building, Bownstown, Pa., \$8,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, Board of education, Bownstown, Pa. Brick, 1 story, 50x51 feet, slate roof, steam heating, electric lighting. Contract awarded to John Stipp, Birdsboro, Pa.

Post Office (add.), Reading, Pa., \$100,000. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, stone and steel, fireproof, 3 stories, composition and copper roof, metal lath, dampproofing, metal frames and sash, steam heating, electric lighting, tile and marble work. Contract awarded to John Lowry, Jr., 8 West Fortieth street, New York City.

Residence, (alt. and add.), Reading, Pa. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owner, Wm. Rambo, 119 South Fifth street, Reading, Pa. Brick, 3 stories, 15x36 feet, tin roof, gas and electric lighting. Contract awarded to L. G. Heinly, Reading, Pa.

Residence, Shenandoah, Pa., \$6,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, Daniel Ferguson, Shenandoah, Pa. Brick, 2½ stories, 17x35 feet, slate roof, electric lighting, tile work, steam heating. Contract awarded to Beard Construction Co., Reading, Pa.

Residence, Pennside, Pa., \$10,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, N. E. Parish, Pennside, Pa. Brick, 3 stories, 42x42 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Charles H. Schegel, 2204 Perkiomen street, Mt. Penn, Reading, Pa.

Picture Theatre (alt. and add.), Oxford, Pa. Architect, Roscoe C. Tindall, Equitable Trust Building, Wilmington, Del. Owner, Joseph Crowl, Oxford, Pa. Brick, 1 story, 60x130 feet, slag roof, steam heating, electric lighting, metal lath. Contract awarded to E. W. Gibson & Son, Oxford, Pa.

Residence (alt.), Villa Nova, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Joseph Y. Jeanes, Villa Nova, Pa. Consists of two new tile bathrooms and general interior alterations, (plumbing, heating and electric work reserved). Contract awarded to Gray Bros., Rosemont, Pa.

Bridge, Susquehanna River, at Milton, Pa. Architects, private plans. Owners, Phila. and Reading Railway Co., Reading Terminal. Steel and masonry, 1,300 feet long. Contract for masonry work awarded to the Robert Grace Contracting Co., Pittsburgh, Pa.

School (add.), Fair View, Pa. Architect, M. B. Bean, Lansdale, Pa. Owners, School Board, care of Amos Schultz, Secretary, Center Point, Pa. Brick, 1 story, 70x50 feet, asbestos shingle roof, slate blackboards (warm air heating system and plumbing separate bids). Contract awarded to S. R. Cressman, Hatfield, Pa.

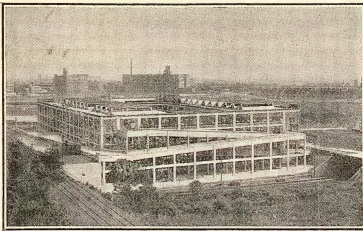
Bungalow, Lansdale, Pa., \$4,000. Architect, M. B. Bean, Lansdale, Pa. Owner, John L. White, Lansdale, Pa. Brick, 2 stories, 33x35 feet, asbestos shingle roof, hot air heating, electric lighting, gas grates. Contract awarded to John Millinger, Souderton, Pa.

Residence, Broad street, Lansdale, Pa., \$6,000. Architect, M. B. Bean, Lansdale, Pa. Owner, Mrs. H. Woodmouse, Lansdale, Pa. Brick, 2½ stories, 35x49 feet, slate roof,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

hot water heating, electric lighting, oak floors. Contract awarded to Ludwic Kaelin, Lansdale, Pa.

Residence, Downingtown, Pa. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Ellis Y. Brown, Jr.,

Downingtown, Pa. Stone, 2½ stories, 36x38 feet; wing, 25x30 feet, shingle roof, oak floors, electric lighting (warm air heating and plumbing separate bids). Contract awarded to John J. Murphy, 1139 South Wilton street, Philadelphia.

NEW JERSEY Construction News

Sunday School, Merchantville, N. J., \$14,000. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owners, Merchantville First M. E. Church, Rev. H. Moore Blake, Merchantville, N. J. Brick and stone, 1½ stories, 54x60 feet, slate roof, steam heating, electric lighting, metal lath. Plans in progress.

Sunday School, Camden, N. J. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owners, Asbury M. E. Church, Rev. John R. Reid, Camden, N. J. Brick and stone, 1½ stories, 50x75 feet, slate roof, steam heating, electric lighting. Architect taking bids, due July 28th. The following are figuring: Abel Bottoms & Sons Co., 41 South Fifteenth street, Philadelphia; Mockett Const. Co., Sixth and Market streets; William Wifford, 525 Market street; George Bachman, 19 North Thirtieth street; J. W. Draper, 436 Haddon avenue, all of Camden, N. J.; Harry Applegate, Merchantville, N. J., and the Richmond Const. Co., Moorestown, N. J.

Club House, Bridgeton, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, Cohosnik Country Club, care of Richard M. Moore, Bridgeton, N. J. Frame and concrete, 2½ stories, 80x44 feet, shingle roof, steam heating, electric lighting, oak floors, metal lockers, bowling alleys. Architect taking bids. The following are figuring: H. H. Hankins, George Maier & Bro., Grosscup & Son and Carl & Carl, all of Bridgeton, N. J.; J. W. Draper, 436 Haddon avenue, Camden, N. J.; Royden Lippincott, Stratford, N. J.; William Conger, Haddon Heights, N. J.; Frederick Lange, Audubon, N. J.

Club House, Spring Lake, N. J. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Spring Lake Gold Club, Spring Lake, N. J. Brick and shingles, 1½ stories, 75x180 feet, shingle roof, steam heating, electric lighting, tile work, metal lockers. Plans in progress.

Glass Factory, Millville, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, International Glass Co., Millville, N. J. Frame, 1 story, 80x200 feet, composition roof, electric lighting. Owners taking bids. J. Hoffman and B. Garrison, Millville, N. J., are figuring.

Residence, Hopewell, N. J., \$7,000. Architects, W. W. Slack & Son, American Mechan-

ics' Building, Trenton. Owner, F. C. Bodine, Hopewell, N. J. Brick, 2½ stories, 30x50 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Owner is taking bids.

Residence, Hamilton, N. J., \$7,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, I. Vine, Trenton, N. J. Brick, 2½ stories, 20x70 feet, slate and tin roof, hot water heating, electric lighting, tile and hardwood floors. Ready for bids in one week.

Residence, Trenton, N. J., \$6,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, R. A. Phillips, Trenton, N. J. Hollow tile and stucco, 2½ stories, 28x36 feet, slate roof, steam heating, electric lighting, tile and hardwood floors. Plans completed. Architects ready for bids.

School, Lambertville, N. J., \$30,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Board of Education, Lambertville, N. J. Brick, 2 stories, 110x67 feet, slate roof, steam heating, combination lighting, metal lath. Owners ready for bids.

High School (add.), Lambertville, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Board of Education, Lambertville, N. J. Brick, 2 stories, 30x35 feet, slate roof (steam heating and lighting separate bids), metal lath. Owners ready for bids.

Residence, Trenton, N. J., \$9,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, Dr. Frederick Collier, Belmont Circle, Trenton, N. J. Brick, 2½ stories, 50x35 feet, slate roof, tile and hardwood floors (steam heating and combination lighting separate bids), metal lath. Plans in progress.

School Annex, Hopewell, N. J. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Board of Education, Hopewell, N. J. Frame, 1 story, 62x35 feet, slate roof, ventilating stoves, gas lighting. Owners will take bids in one week.

Stable and Garage, West State street, Trenton, N. J., \$7,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, George K. Cook, West street, Trenton, N. J. Brick, 2 stories, 48x70 feet, slate roof, cement floors (steam heating and electric lighting separate bids). Owner is sub-letting all contracts.

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked 13/16" x 2 1/4" and 3 1/4" face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS

Commonwealth Bldg. - Philadelphia

Residences (4), Cuyler avenue, Trenton, N. J., \$12,000. Architect, private plans. Owner, Thomas W. Wilson 323 Berwyn street, Trenton, N. J. Brick and frame, 2½ stories, 14x42 feet, slate roof, tile and hardwood floors (hot water heating and electric lighting separate bids). Owner is sub-letting all contracts.

Residences (15), Mead street, Trenton, N. J., \$12,000. Architect, private plans. Owner, Isaiah Birks, Forst Richey Building, Trenton, N. J. Brick, 2 stories, 13x28 feet, slag roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Factory Buildings, Jersey and Fremont sts., Trenton, \$150,000. Architect, private plans. Owners, John A. Reelings Sons Co., Trenton, N. J. Brick and steel, 2 stories, 45x61 feet, 38x131 feet, 35x81 feet, 58x89 feet, slag roof, steel sash (steam heating and electric lighting separate bids). Owners are building and sub-letting all contracts.

Residence, Ventnor, N. J. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner's name withheld. Tapestry brick and rough cast, 2½ stories, 30x50 feet; two wings, 18x20 feet each, slate roof, vapor heating, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in about 10 days.

New Jersey Contracts Awarded

Nurses' Home, Ancora, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, Camden County Commissioners, care of Frederick Fries, Haddon Heights, N. J. Brick, 2 stories, 52x55 feet, slate roof, steam heating, electric lighting, oak floors, tile work, metal lockers. Contract awarded to Fred Lange, Audubon, N. J.

Refrigerating Plant, Ancora, N. J., \$5,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, Camden County Commissioners, care of Frederick Fries, Chairman, Haddon Heights, N. J. Contract awarded to Condon & Patton, Haddon Heights, N. J.

Cottages (60), Haskell, N. J. Architect, private plans. Owners, Dupont Powder Co., Dupont Building, Wilmington, Del. Frame and plaster, 2½ stories, 20x23 feet each, shingle roof, electric lighting, (heating reserved). Contract awarded to J. A. Bader Co., Dupont Building, Wilmington, Del.

Residence, Merchantville, N. J. Architect, Walter Thomas Mayo, 1701 Chestnut street, Philadelphia. Owner, H. Osborne, Westville,

N. J. Frame, 2½ stories, 25x30 feet, shingle roof. Contract awarded to William H. Lawrence & Son, Westville, N. J.

School Building (alt. and add.), Pleasantville, N. J. Architect, S. Hudson Vaughn,

Bartlett Building, Atlantic City. Owners, Board of Education, Pleasantville, N. J. Brick, 2½ stories, 75x65 feet, concrete floors, slate blackboards. Contract awarded to William Lear, Linwood, N. J.

Brick, 2½ stories, 50x60 feet, slate roof, slate blackboards. Contract awarded to B. W. Dubing, Millington, Md.

Miscellaneous Construction News

Factory, Hagerstown, Md., \$50,000. Architects, Peuckert & Wunder, 310 Chestnut st., Philadelphia. Owners, Pangborn Corporation, Hagerstown, Md. Brick, concrete, steel and terra cotta, fireproof, land 2 stories, 100x190 feet, slag roof, steam heating, electric lighting, steel sash, dampproofing, metal lath, reinforcing bars. Architects taking bids, due July 22d. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Chas. Gilpin, Harrison Building; Philip Baibach Contracting Co., Twenty-sixth and Thompson streets; A. Raymond Raff, 1635 Thompson street; Stacy Reeves & Sons, 2011 Market street, Philadelphia; West Construction Co., Knickerbocker Building, Baltimore; Morrow Bros., Fidelity Building, Baltimore; Consolidated Engineering Co. Calvert Building Baltimore.

Residence, Centerville, Del., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Henry M. Canby, Esquire Building, Wilmington, Del. Stone, rough cast, 2½ stories, 54x33 feet, (2) wings, 26x28 feet each, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Service Building, Washington, D. C. Architects, Kahn & Wilby, Detroit, Mich. Owners, Ford Motor Co., Detroit, Mich. Brick, reinforced concrete and steel, fireproof, 6 stories, 140x166 feet, composition and flat tile roof, reinforcing bars, dampproofing and waterproofing, safety treads, steel sash and doors, metal lath, tile work, (heating, plumbing, electric work and elevators reserved). Architects have received bids.

Theatre and Store Building, Wilmington, Del. Architects, Hoffman & Co., Juniper and Market streets, Philadelphia. Owners, R. Topkis & Son, Wilmington, Del. Brick and terra cotta, concrete and steel, fireproofing, metal frames and sash, 1 story, 30x125 feet, tile and marble work, slag roof, iron stairs, (heating and electric work reserved). Plans about completed. Architects will be ready for bids in about one week.

Dining Hall and Kitchen, Weston, W. Va. Architect, H. Rus Warner, Charlestown, W. Va. Owners, State of West Virginia, Weston State Hospital, care James S. Lakini, Charlestown, W. Va. Brick and steel, 2 stories, 63x280 feet, slate roof, metal lath, metal sash,

composition floors, tile work, (heating, plumbing and electric work reserved). Owners taking bids, due July 28th. In addition to those previously reported, Edward Fay & Sons, 2 South Mole street, Philadelphia, are figuring.

Church (alt. and add.), Wilmington, Del., \$10,000. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Mt. Salem Church, Rev. W. J. Van Dyke, Wilmington, Del. Brick and limestone, 1 story, 50x75 feet, slate roof, steam heating, electric lighting. Revised plans in progress.

School Building, Cleveland Heights Village, Ohio. Architects (associated), Franz C. Warner and John H. Graham, Hippodrome Building, Cleveland, Ohio. Owners, Board of Education of Cleveland Heights Village. Brick, stone and steel, fireproof, 2 stories, 50x177 feet, composition and slate roof, mechanical warm air heating, electric lighting, concrete fireproofing, reinforcing bars, safety treads, metal lath, waterproofing, slate blackboards, composition floors, iron stairs. Owners taking bids, due July 28th. James H. Wells, Heed Building, Philadelphia, is figuring.

Nurses' Home (completion), Cleveland, Ohio, \$16,500. Architect, private plans. Owners, City of Cleveland, Cleveland, Ohio. Brick, stone and steel, 4 stories, consists of completion of interior. Contract awarded to James H. Wells, Heed Building, Philadelphia.

Residence, Worton, Md. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Mrs. N. B. Costello, Worton, Md. Brick, 2½ stories, 47x85 feet, shingle roof, oak floors, warm air heating. Architect taking bids, due July 24th. The following are figuring: Henry L. Brown, 1714 Sansom street; H. E. Grau Co., 1707 Sansom street, Philadelphia; W. S. & A. M. Culp, Chestertown, Md., and G. Walter Tovell, Eutaw and McCulloch streets, Baltimore, Md.

Store Building, Detroit, Mich. Architects, Kahn & Wilby, Detroit, Mich. Owners, People's Outfitting Co., Detroit, Mich. Reinforced concrete, brick and terra cotta, 12 stories, 58x100 feet, slag roof, dampproofing, enameled bricks, reinforcing bars, steel sash, steel doors, iron stairs (heating, electric work and elevators reserved). Architects taking bids, due July 23rd. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Miscellaneous Contracts Awarded

High School (add.), Wilmington, Del., \$135,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, High School Building, Wilmington, Del. Brick and terra cotta, 4 stories, 85x183 feet, slag roof, metal lath, waterproofing, dumb-waiter, concrete floors, reinforcing bars, iron stairs, slate blackboards, tile work. Contract awarded to A. S. Reed & Bro. Co., 815 Shipley street, Wilmington, Del.

Store and Office Building, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owners, Ninth Street Company, Wilmington, Del. Brick and terra cotta, 3 stories, slag roof, steam heating, elec-

tric lighting. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Bank Building, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owners, Wilmington Trust Co., Second and Market streets, Wilmington, Del. Brick, stone and concrete, 1 story, 24x40 feet, slag roof, steam heating, electric lighting, tile work, iron stairs. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

School, Millington, Md., \$15,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care John P. Ahern, Millington, Md.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that I spend for all forms of publicity in the country—and that these advertisers 'stick' year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

You can't hire loyalty; you have got to deserve it.—Ex.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scripper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

ABSOLUTELY NECESSARY.

We may live without poetry, music and art; We may live without conscience and live without heart;

We may live without friends, we may live without fads;

But business to-day cannot live without ads.

"The Guide" is now covering Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia, Ohio and Illinois. And it's growing, growing, growing.

The "Builders' Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

James Arthur (O), 3206 North Second street. Cost, \$191,650. Eighty-two dwellings, brick, 2 stories, 1x6 feet, Memphis and Auburn streets, Philadelphia.

John P. Deeney (O), 231 North Sixtieth street. Cost, \$1,000. Stable, brick, 2 stories, 30x53 feet, 230 North Salford street.

City of Philadelphia (O), City Hall. F. W. Van Loon (C), Denckla Building. Cost, \$88,000. Recreation building, brick and stone, 2 stories, 7x35 feet, Price and McMahon sts., Germantown.

J. H. McClatchey (O), Land Title Building. Cost, \$7,500. Dwelling, stone, 3 stories, 37x26 feet, Carpenter street and Lincoln Drive.

Arthur W. Jones (O), 411 West Chelton avenue. F. Elvidge & Sons (C), 522 Germantown avenue. Cost, \$31,800. Dwelling, stone, 3 stories, 64x35 feet, Wissahickon avenue and Horter street.

United Gas Improvement Co. (O), Broad and Arch streets. Cost, \$14,000. Shop, brick and steel, 2 stories, 48x34 feet, Passyunk avenue and Schuylkill avenue.

Kensington Realty Co. (O), 3044 North Twenty-third street. Cost, \$33,300. Fifteen dwellings, brick, 2 stories 27x14 feet Kensington avenue.

John Brenan (O) 3925 Fairhill street. Cost, \$2,800. Dwelling, brick, 3 stories, 16x28 feet, Urnish and Bingham streets.

Morris Square M. E. Church (O), Mascher and Susquehanna avenue. D. L. McCartney (C), 1925 East Dauphin street. Cost, \$4,000. Dwelling, stone and brick, 3 stories, 16x45 feet, Mascher and Susquehanna avenue.

N. Raidman (O), 5944 Walnut street. Cost, \$43,000. Fourteen dwellings, brick, 3 stories, 16x37 feet, Walnut lane and Baynton street.

Frank Podiatz (O), 1736 South Second street. B. Bornstein (C), 1510 North Franklin street. Cost, \$4,000. Dwelling, brick, 2 stories, 18x30 feet, 1736 South Second street.

John M. Mortimer (O), 3024 E street. Cost, \$3,000. Two dwellings, brick, 2 stories, 15x28 feet, 854-56 East Ontario street.

Charles A. Kessler (O), 931 Drexel Building. Cost, \$6,500. Dwelling, hollow tile, 3 stories, 27x37 feet, Fifty-third and Woodbine avenue.

Frank Garrity (O), 4424 Dexter street. Keller Bros. (C), 480 Harmon road. Cost, \$2,800. Dwelling, stone and brick, 2 stories, 16x46 feet, Dupont and Manayunk avenues.

Harry J. White (O), Lyceum avenue and Pechin street. Keller Bros. (C), 480 Harmon road. Cost, \$2,600. Dwelling, stone and brick, 2 stories, 14x44 feet, Dupont and Manayunk avenues.

Edward Stoesser (O), 133 West Girard avenue. Keller Bros. (C), 480 Harmon road. Cost, \$7,200. Dwellings, stone, 3 stories, 41x26 feet, Penn and Henry streets.

Moss and Taylor (O), 560 North Fifty-eighth street. Cost, \$189,000. Sixty-one dwellings, brick, 2 stories, 16x52 feet and 16x36 feet, Sixty-fourth and Lansdowne avenue.

Elizabeth Osborne (O), 5017 Duffield street. George R. Osborne (C), 5017 Duffield street. Cost, \$6,800. Two dwellings, brick, 3 stories, 16x31 feet, Saul and Wakening streets.

C. Kiely (O), 312 West Seymour street. Cost, \$12,400. Seven dwellings, brick, 2 stories, 15x29 feet, Richmond and LeFevre sts.

William H. Walters (O), 48 Slocum street. Stokes Bros. (C), 6723 Musgrave street. Cost, \$4,595. Dwelling, brick and stone, 3 stories, 16x38 feet, Slocum and Musgrave streets.

J. M. Holmes (O), 5314 Chew street. Cost, \$46,300. Twenty dwellings, stone and brick, 2 stories, 18x35 feet, Twelfth and Courtland streets.

Rush Bros. (O), 1100 Fillmore street. Cost, \$6,600. Two dwellings, brick, 2 stories, 16x47 feet. Herbert and Horrocks streets.

Frank D. Williams (O), 1830 West Venango street. Cost, \$15,000. Five dwellings, stone and brick, 2 stories, 15x36 feet, Seventeenth and Butler streets.

Alterations and Additions

T. L. Simpson (O), 505 Chestnut street. Davis & Huston (C), 1500 Ellsworth street. Cost, \$700. Dwelling, Fifty-first and Redner streets.

Conners Kneadler (O), 2306 North Twenty-third street. Cost, \$3,000. Dwellings, 2243-45-47 North Thirtieth street.

Pennsylvania Working Home for Blind Men (O), Thirty-sixth and Lancaster avenue. P. M. Sax (C), Heed Building. Cost, \$600. Home, Thirty-sixth and Lancaster avenue.

Joseph Kenny (O), Howard and Norris streets. Joseph Padolese (C), 1647 Ellsworth street. Cost, \$500. Garage, 2113 North Palethorp street.

H. Trumbauer (O), 5122 Wynnefield avenue. N. M. Bennum (C), 3932 Aspen street. Cost, \$500. Residence, 5122 Wynnefield avenue.

Mrs. Morgan (O), 2003 Pine street. William Ferguson & Sons (C), 405 South Twenty-first street. Cost, \$1,000. Dwelling, 1815 Spruce street.

Weger Bros. (O), Thirty-second and Thompson streets. A. T. Loeper (C), 2316 South Tenth street. Cost, \$1,000. Saloon, 524 South Delaware avenue.

Sisters of St. Joseph (O), City Line and Germantown avenue. John McShain (C), 631 North Seventeenth street. Cost, \$6,700. Convent, City Line and Germantown avenue.

Albert Foster (O), 4239 Main street. C. M. Swartley (C), 6835 Ridge avenue. Cost, \$750. Storage, 4239 Main street, Manayunk, Philadelphia.

Weightman Estate (O), 1524 Chestnut street. James S. Talley (C), 1931 Market street. Cost, \$4,500. Warehouse, 245 North Delaware avenue.

John Regan (O), 1240 North Sixteenth street. Samuel J. Rea & Sons (C), 1 08 Fairmount avenue. Cost, \$1,850. Store and dwelling, 1240 North Sixteenth street.

Frank Podiatz (O), 1736 South Second street. B. Bornstein (C), 1510 North Franklin street. Cost, \$800. Store, 1735 South Philip street.

Robert G. Leinroth (O), 920 South Forty-eighth street. William H. Morris (C), 711 South Fifty-second street. Cost, \$1,050. Store and hall, 5158 Haverford avenue.

John P. Schmid (O), 1814 Carpenter street. L. Frank Hudson (O), 1924 South Redfield

street. Cost, \$1,200. Dwelling, 664 West Johnson street.

I. Cohen (O), 411 Reed street. Benj. Illakis (C), 522 Fernon street. Cost, \$600. Dwelling and store, 411 Reed street.

C. W. Magill (O), 1830 North Twelfth street. F. B. Veideio (C), 2917 Fletcher street. Cost, \$800. Store and dwelling, 1425 West Clearfield street.

D. Margolis (O), 930 South Ninth street. Frank Lucei (O), 1351 Christian street. Cost, \$1,000. Dwellings, 1150-52 South Ninth street.

John D. Johnson (O), 3808 Chestnut street. Warren E. Biscoe (C), 3954 Ludlow street. Cost, \$2,300. Dwelling, 3808 Chestnut street.

Frank B. Green, trustee (O), 1421 Vine street. Philip S. Tyre (C), 1509 Arch street. Cost, \$2,000. Manufacturing building, 1423-25 Vine street.

Greene Street Meeting House (O), Germantown. Supplies Const. Co. (C), Bulletin Building. Cost, \$12,000. School, School lane and Greene street.

M. Jameson (O), 2410 South Eighth street. M. Lesse (C), 116 Winton street. Cost, \$1,200. Two stores and dwellings, Front and Fitzgerald streets.

American Sunday School (O), 1816 Chestnut street. F. L. Hoover & Sons (C), 1923 Cherry street. Cost, \$3,300. Offices, 1816 Chestnut street.

M. H. Smith (O), Wayne, Pa. John Maginnis (C), 514 Walnut street. Cost, \$500. Store and dwelling, 4218 Woodland avenue.

A. Siciliano (O), 733 Reed street. Cost, \$1,500. Stable, 735 Reed street.

Frank H. Moss (O), City Line and Belmont avenue. J. P. Thompson (C), Real Estate Trust Building. Cost, \$600. Stone and brick walls, City Line and Belmont avenue.

Hallahan Estate (O), Real Estate Trust Building. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$7,600. Store and storage, 923 Market street.

Henry Huesgen (O), 234 North Eleventh street. A. H. Spenard (C), 830 Wood street. Cost, \$3,000. Apartments, 234-36 North Eleventh street.

Quaker City Iron Works (O), Tioga and Edgewood streets. Cost, \$5,000. Boiler shop, Tioga and Edgewood streets.

H. Krisner (O), 614 Wharton street. Max Shafter (C), 603 Hoffman street. Cost, \$500. Dwelling, 614 Wharton street.

Albert J. Holland (O), Fifty-sixth and Baltimore avenue. M. W. Richey (C), 5008 Pentridge avenue. Cost, \$950. Dwelling, 5533 Baltimore avenue.

Walter E. Fullerton (O), 5553 Baltimore avenue. M. W. Richey (C), 5007 Pentridge street. Cost, \$1,040. Store and dwelling, 5535 Baltimore avenue.

Abe Pales (O), 8407 Eastwick street. C. Kate (C), Seventy-ninth and Brewster avenue. Cost, \$950. Slaughter house, 8409 Eastwick avenue.

Mercedes A. Roberts, M. D. (O), 1144 South Eleventh street. Louis Cohen (C), 417 Christian street. Cost, \$6,000. Store and dwelling, 1142-44 South Eleventh street.

E. Sutro & Sons Co. (O), Thompson and Clementine streets. D. G. Boyce (C), 3107 Almond street. Cost, \$1,000. Boiler house, Thompson and Clementine streets.

Herbert J. Wetherill (O), 328 Chestnut street. F. B. Davis (C), 240 North Sixteenth street. Cost, \$4,500. Residence, 151 West Springfield avenue.

Baugh & Sons Co. (O), foot of Morris street. Cost, \$35,000. Building, Morris and Swanson streets.

Charles J. Cahall (O), Broad and Parrish streets. Ketcham & McQuade (C), 1029 Brown street. Cost, \$5,500. Store, 831-33 North Broad street.

Charles F. Nassan, M. D. (O), 1515 Wallace street. Samuel Rea & Sons (C), 1608 Fairmount avenue. Cost, \$500. Dwelling, 1515 Wallace street.

(Continued on page 470.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd President
Joseph M. DeLone Vice-President
Louis S. DeLone Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon Editor

PHILADELPHIA, PA., JULY 21, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President *R. Clifton Sturgis, Boston
First Vice-President *Thomas R. Kimball, Omaha, Neb.
Second Vice-President D. Knickerbacker Boyd, Phila.
Secretary *Burt L. Fenner, New York
Treasurer *J. L. Mauran, St. Louis
Auditors { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Maconigie, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantinger.

Editorial Comment

Theodore Starrett, who as contributing editor of "Architecture and Building" has been furnishing some decidedly readable "copy" to the pages of that very interesting magazine, has an article in the current number that is worth reprinting. It deals in a quasi-humorous vein with the architect who assumes to be "the whole show," the builder who takes a chance, the sub-contractor who not infrequently is made the goat, and the mechanic who complicates the plot throughout by demanding the union wage rate and doing a very ordinary day's work. Mr. Starrett, we feel sure, would not wish his remarks to be taken too literally. And yet it is quite likely not beside the facts to say that a whole lot that is put humorously by him may in some sense be taken seriously as illustrative of conditions that exist in, let us say, isolated instances.

* * *

"It wouldn't do to take sides in this war among architects, builders, sub-contractors and mechanics that has been going on now these many years," writes Mr. Starrett. "Strict neutrality is the watchword with respect to all that gets into print. Polite denial and disclaimer from the builder who wants to control architect, engineer and all the various professions and trades which contribute to the making of the finished product.

"The architect, of course, being a privileged character, can and does rage and fume in some of the journals devoted to professional ethics, but he who so rages is not the one that gets the jobs, or to say it in polite language, the commissions. No, the architect who saws wood and builds up a business in which the artists are kept in little stalls along with the other draughtsmen, for all the world like horses in a stable—the business architect, in other words, can and doubtless does tell his clients that he is the builder, that he knows the builder's game and the builder's nature, and knows him for a useless member of society. He can relegate the builder to the scrap heap and damn him from supper to breakfast and no one dare say a word.

"Why this is, is not very interesting just now. What I was saying is that in the Merry War of competition it is advisable to be neutral, and above all things keep out of the fight yourself.

* * *

"Last month's essay on the man who was beloved by architects because he could (and did) take his medicine so nicely started some one going, for he sent to the editor of this magazine a poem which seemed to me to strike the nail square on the head. A strong impulse seizes me to publish it. A few colloquialisms, however, seemed to mar an otherwise perfect specimen of builders' poetry, so I have taken the liberty to change it slightly with no apologies to the poet.

Just who the author of the original was is

not stated. Possibly it was a syndicate. It is here printed for the edification of any that may happen to feel disposed that way. It is entitled:

"A SAD REALITY.

"Said the architect to the builder,
Heaving a mighty sigh,
"I'd like to give this job to you,
But, Great Scott, man, you're high."

"Oh, never mind," the builder said,
"I'll take it anyway.
Just cut off what you think is right,
I'll make the suckers pay."

"The subs came flocking to the job
Like flies about a pie,
Each one was told by the builder bold
"Great Scott, man, you're too high."

"So he took their hide, he picked their bones,
He pumped their life blood dry.
They furnished the money, brains and skill,
He furnished the azure sky.

"And when they got all through the job
He soaked them ten per cent.
For carting rubbish, watchman's time
And super-in-ten-dent.

"Just a bit of airy persiflage to lighten
the day's load. No harm done, it is hoped.
Just a little thought of an exception to the
general rule of profitable contracting in these
exciting times.

* * *

"Some great mathematician used to amuse
himself by proving that something was equal
to nothing. Figures won't lie, you know, and
he could prove first that a horse was nothing
and a cow was nothing; therefore, a horse was
a cow.

"It all depends on whose ox is gored. I
could prove that architects were the only
people that had any right to existence in
the building game. Or I could prove that
builders were the only ones. I could go still
further and prove that the sub-contractors
were the only people that knew how to build,
and that builders and architects both were
warts on the body politic and should both be
eliminated.

"But all of them are necessary; the architect
to design, the builder to manage, the
sub-contractors to fight the mechanics to keep
them from spending too many hours on the
job—polite language, work—at seventy-five
cents an hour and under.

"I have said all this before, but I am not
sure that everybody in the United States has
heard. In fact I am rather afraid my light
is still 'hid under a bushel.'

"Perhaps some one from the ranks of the
builders will send in a poem in which will be
told, in good jingling rhyme, what happened
to the building that had no builder.

"It would be too much to expect that any architect would take a hand in the unseemly contest."

* * *

"The Meaning of the Demolition of Old Buildings" is an editorial in the "New York Real Estate Record" that discusses from the standpoint of the investor the reasons why it is considered good business policy to tear down and demolish valuable buildings in the big metropolitan centers rather than to attempt to remodel them. The writer cites a number of instances in the shopping centers of New York City where buildings that it cost considerable sums of money to erect were torn down and reconstructed from the ground up in preference to attempting alterations that at best would not have better than half served present-day conditions.

* * *

"When one reads of buildings valued for assessment purposes at one to two hundred thousand dollars being pulled down and the material thrown into the discard, it seems at first like wastefulness," says "The Real Estate Record." "Often an old building is needlessly scrapped, as when clever alterations would let it produce a larger rate of income than a new building on the same site; but when the land is covered by a structure of special design, as a hotel or a theatre, and the site has ceased to be suitable for either, the controlling circumstances are different. The building in such a situation, no matter what its cost may have been, has become an incumbrance and must make way for one so shaped and fitted as to produce an income commensurate with the value of the land.

"A first-class site suitably improved should produce a net income of at least ten per cent. When it is occupied by a building which, owing to changed circumstances, is no longer fitted to return an adequate income, or even to meet fixed charges, the building has because of its peculiar plan and equipment survived its usefulness so far as that particular site is concerned. No doubt in some other location, or on less valuable land, it would fill its special office as a hotel or theatre acceptably and profitably to its owners.

* * *

"Although the Herald Square Theatre building was assessed at \$100,000, it represented only one-fourteenth of the total value of the investment. The building which stood on the Brokaw site was assessed at \$150,000, when the total assessed valuation for land and improvement was \$1,350,000, and therefore represented one-ninth of the whole valuation. Sacrificing a one-fourteenth or a one-ninth interest in order to save the remainder is considered a good policy in any department of business, but in the case of a building scrapped the apparent loss is nearly always more than offset by the increased value of the land over what it was when the building was erected. When a purchase-and-sale of the premises is made for improvement at the hands of new owners, the transaction is negotiated without reference to the value of the structure except as second-hand building

material. The worth of the land has so greatly appreciated that the value of the building has become a matter of no importance.

"The Metropole was one of the first uptown fireproof hotels. Its real usefulness covered about the same length of time as that of other buildings on main avenues in the path of uptown growth. They serve their day and generation and pass from the scene. No matter how durable their construction, their economic life rarely exceeds a generation. No amount of alteration could have redeemed the Metropole. A building demolished under such circumstances represents not a financial loss but a dividend on the investment. It is a testimony to the unflinching fruitfulness of a wisely selected realty investment. It is like a man who lays aside a coat which once was a good one, but now is out of date, in order to put on a new garment more in keeping with the fashion and the need of the times. He has had his money's worth out of the old one."

* * *

"What Constitutes a Good Roof" is the title of an attractive little booklet issued by the Metal Branch of the National Hardware Association of the United States, embodying articles furnished in a prize contest conducted by that association, the object of which was to demonstrate "the advantages of tern plate and sheet metal over other materials for roofing." The booklet gives three of the prize-winning articles, each of them a well-written and thoughtfully-considered tribute to the worthiness of metal roofing. One may say an appreciative word for the enterprise of the association responsible for this cleverly conceived little booklet without forgetting for a second how much there is to be said on the other side of the case involved. That composition roofing also has its advantages, "The Guide" has on more than one occasion been the medium to point out. What we should like to see, now, in the shape of an answer to this little booklet from the metal interests, would be a booklet along the same lines giving the result of a prize contest held to bring out the salient advantages of composition roofing. Indeed, we beg to suggest the idea for the consideration of the composition roofing interests.

There is so much to be said on the other side in this controversy that it might be wise for the composition element to inaugurate a contest in which roofers should be asked to give the reasons why in their judgment certain forms of composition roofing are superior to metal.

"The Guide" feels that such a contest would be eminently worth while, and that its results would most abundantly repay the time and effort necessary to bring it to a successful conclusion.

* * *

Reports to "Bradstreet's Journal" from 121 cities of the United States show a total of 19,837 permits issued in the month of June this year, with an estimated value of \$52,335,378, a decrease of 7.7 per cent. in the number of permits and of 20.4 per cent. in value from

June a year ago. The latter month saw a gain of 3 per cent. over June, 1913. With the exception of the New England States every group of cities showed a decrease in permits, and all showed a falling off in values from June a year ago, while 78 out of 121 cities, or about two-thirds of all, showed a reduction in expenditure from that month.

Building expenditures in the second quarter showed a decrease of 7.7 per cent. from a year ago, as against a decrease of 11.2 per cent. in the first three months; but the decrease of 9.3 per cent. for six months followed a decrease of 7.5 per cent. in the first half of last year from 1913, and the latter in turn showed a decrease of 2.5 per cent. from 1912. The half year's building seems likely to be the smallest recorded in any first six months since 1911.

* * *

Don'ts for the owner, seven of them, appear in a recent issue of "Building Management."

Here they are with a do thrown in:

Don't let the architect give you windows with arched tops; they cut off the light as well as the rent, cost more to build, and on the outside the arch becomes a dust collector. If you must have an arch, form it in the brick or stone work, but keep your windows square.

Don't have an extra large cornice on top, shading the windows of the top floor, and don't have an ornamental cornice on the lower stories of your building, or any other ornamental projection which will in any way interfere with the light or view from the office.

Don't have balconies—they cut off the light as well as the air. On one building a balcony which cost \$25,000 to build, cost the owner \$3,000 per annum in loss of rent.

Don't fail to have sufficient elevators, arranged in banks, if possible, facing each other on either side of the hall, or preferably, if a moderate-sized building, in a semi-circle.

Don't forget to have light, airy toilets with adequate accommodations.

Don't fail to have rooms wide enough to divide into two private offices with what is commonly known as a "T" partition. Seventeen feet is an ideal width and only two windows should be installed to a boy. If your architect thinks the space is large enough to admit of three windows, keep him down to two, but make the two as large as possible. You cannot divide a room with three windows in it unless it is at least twenty-four feet wide. Do not have your offices too deep. Twenty feet is enough and thirty is too much. The ideal depth is an average between these two.

If your lot is such that your offices plan out over thirty feet and your light is not exceptional, you better cut down the depth of the office and add the space to the width of your court or to the street, and you will save on construction and your rooms will rent more quickly.

Don't rent space with hot and cold water and give plenty of cold and a little lukewarm water. Be sure to have an adequate plant and

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



give your tenants a little more than they ought to have. The landlord is expected to be a mean cuss anyway, so even under the best conditions you are handicapped.

ALTERATIONS AND ADDITIONS.

(Continued from page 467.)

Central M. E. Church (O), Green Lane, Roxborough. W. H. Eddleman & Sons (C), 453 Green Lane, Roxborough. Cost, \$800. Church, Green Lane and Mitchell street.

Somerdale Dyeing and Finishing Co. (O), Holmesburg, Philadelphia. J. A. Hand (C), 8029 Frankford avenue. Cost, \$900. Storage house, Walker street and Pennypacker creek.

J. M. Wilkins (O), Bourse Building. Champion G. Shuster (C), 1318 Girard avenue. Cost, \$700. Residence, 650 North Fifteenth street.

A. W. Jones (O), 411 West Chelton avenue. F. Elvidge & Sons (C), 5522 Germantown avenue. Cost, \$5,000. Stable and garage, Wissahickon avenue and Horter street.

Dr. H. M. Gay (O), 1685 North Fifty-fourth street. M. Roy Sheen (C), 450 North Wilton street. Cost, \$600. Offices and apartments, 1685 North Fifty-fourth street.

D. D. Alssand (O), 1314 Kimball street. Emelio D. Leo (C), 1169 South Twelfth street. Cost, \$500. Dwelling, 1314 Kimball street.

Max Spevax (O), 2127 South Fifth street. S. Lesse (C), 2439 South Eighth street. Cost, \$550. Store and dwelling, 2127 South Fifth street.

Y. W. C. A. (O), Eighteenth and Arch streets. E. A. Hibbs (C), Quarry and Bread streets. Cost, \$800. Club house, Hancock and Allegheny avenue.

Board of Education (O), 2242 Land Title Building. Mitchell Bros. (C), 2125 Race street. Cost, \$2,095. School, Fifty-fifth and Vine streets.

Pennsylvania Forge Co. (O), Wakeling and Frankford Creek. Cost, \$1,800. Storage shed, Wakeling street and Frankford Creek.

Francis McGrath (O), 912 Christian street. R. S. Hill (C), 1503 Christian street. Cost, \$1,000. Wagon shed, 6428 Leithgow street.

Mrs. Gallagher (O), 800 North Fortieth street. Frederick Sabn & Co. Inc. (C), 237 Bread street. Cost, \$500. Dwelling, 803 North Fortieth street.

W. W. Harrison (O), 117 North Eleventh street. Brownworth & Co. (C), 1611 Sansom street. Cost, \$525. Apartments, 322 South Eleventh street.

William Robinson (O), Germantown avenue and Juniata street. N. M. Bean (C), 4411 Germantown avenue. Cost, \$2,500. Store and dwelling, Germantown avenue and Juniata street.

Isaac Weiner (O), 1437 South street. S. Levitt (C), 439 Dickinson street. Cost, \$3,500. Storage, 1437 South street.

Wetherill & Bros. (O), 126 South Thirtieth street. J. B. Snyder (C), 260 North Marvne street. Cost, \$1,200. Manufacturing building, 126 South Thirtieth street.

M. Weinberg (O), 404 Green street. Brown-

sten & Rosenbaum (C), 1013 Jackson street. Cost, \$975. Store, residence and garage, 1616 North Franklin street.

William Reiter (O), 1903 Wynnwood road. John P. Fallon (C), 6036 Osage avenue. Cost, \$1,800. Garage, 1903 Wynnwood avenue.

J. J. Cunningham (O), 4828 Chestnut street. John P. Fallon (C), 6036 Osage avenue. Cost, \$4,400. Moving picture theatre, Fifty-ninth and Market streets.

Charles Ellman (O), Second and Vine sts. M. Bakst (C), 1540 North Sixth street. Cost, \$3,000. Market house, 954-56 North Marshall street.

Hiram E. Perry (O), 4080 Frankford avenue. M. Ward Easby (C), 1420 Chestnut street. Cost, \$3,000. Storage, Frankford avenue and Front street.

SERVICES OF AN ARCHITECT

By C. E. Schermerhorn, A. A. I. A.

The thinking public are awake to the value of the services capable of being rendered by an architect, and recognize that his province bears the same relation to the owner as that of a specialist in medicine or surgery to his patient. In countless ways the expert advice and suggestions of an experienced architect will be found to have substantial value, and his worth, in this respect, cannot be economically ignored by anyone who has determined to build, whether it be a bungalow or a great commercial or monumental project.

When a location is in contemplation, or determined upon, the architect selected should be made acquainted with the owner's ideas and conception of what the building should be, and its character and purposes. The exigencies of the site should then be studied, and the climate, outlook, grades, drainage and other essential factors carefully considered, and adapted to the real need and precise conditions, in conjunction with the economic conditions that underlie the problem. These preas their influence make for the success or non-success of the ultimate building.

This will enable the architect to obtain a knowledge of the essential requirements, to discuss any fallacies, and to sketch out practical and comprehensive plans of the interior arrangement and exterior design, organized and adapted to the real need and precise conditions, in conjunction with the economic conditions that underlie the problem. These preliminary studies may offer several solutions, one being advantageous from one point of view, and another from another point of view, which are then capable of being intelligently discussed with the client and permit of definite conclusions being reached.

From these sketches and studies, showing the general plan and design of the contemplated building, with their accompanying synopsis of the materials of construction, fixtures and finish, close approximate estimates may be obtained from contractors. These estimates may afford a basis for determining the future possibilities of the project

and enable its further development by the preparation of the final working drawings, which involve an accurate layout of all floors, of all the elevations, both exterior and interior, also typical sections and detailed methods of construction. The working drawings must be so complete that a contractor will know exactly how and of what material every part of the building is to be constructed, thereby forestalling any guessing, which, so frequently, is costly to the owner.

The working drawings are accompanied by specifications, taking up in the form of a description what it is impossible to express on the drawings, and stating therein with clearness and precision the grades and character of the work, materials, ingredients, appliances and fixtures required to be used and installed. These specifications also show how the contractor shall do certain portions of the work and co-operate with the various subcontractors; they also state the indemnity bonds, insurance, etc., required; and in general form a complete thesis of the building to be constructed, leaving no doubt in the mind of the bidder as to the exact amount and character of the work called for. This assures that all estimates received shall have been intelligently submitted, and that, when the contract is ultimately awarded, the contractor can plan its progress with a definite knowledge of the materials and requirements, the work being thus carried out with greater expedition and consequent economy.

After it has been determined to proceed, a legal, binding and definite contract must be prepared by the architect, in which the requirements on both sides are clearly set forth, the "instruments of service," in the form of specific and technically intelligible drawings and specifications, being made a cohesive part of this contract. Definite terms of payment, time of completion, and requirements in connection with lien laws, must be provided for. There must also be provisions in the contract for fire, lighting, casualty, tornado and contingency insurance, for necessary bonds in connection with completion, and for com-

pliance with local, municipal or state requirements, departmental directions or rulings, ordinances and acts.

After the contract has been awarded the architect should be placed in full charge, so as to enable him to direct and observe the proper laying out of the work, and to see that the plans and specifications are conformed to. He must also make proper disposal of the problems that arise while the building is in progress, passing on all technical questions and furnishing from time to time explanatory detail drawings of the various parts of construction, ornamentation, fixtures, arrangements, etc., as required; he issues certificates of payment as they fall due under the terms of the contract and also becomes the arbiter in all questions of dispute.

It is only by following these steps, in their logical, natural sequence, from the very conception of the building to its final completion,

that an owner can obtain the best results with a minimum of worry and a maximum of economy.

In order to construct a building successfully, it is necessary to anticipate each step in the progress of its development, and to outline a complete system for its erection, to control the work until the building is turned over completed to the owner.

Full architectural services, rendered by a competent man, will save many times his comparatively small compensation. The instruments of service, the plans and specifications, are the fundamental element in the contract, and to produce them requires thought, experience and learning, also familiarity with the qualities, properties, peculiarities, weight and strength of materials, the weights of structures and the relationship of the various operations to be performed by the many trades represented in the building.

BUILDING LOANS

Various Methods of Financing Operations for Large Structures.

Few large business structures are built without loans. For one man who can erect his building without a mortgage a hundred must obtain assistance in financing the erection of the structure.

In general, there are four sources to which the prospective builder may apply in securing his desired loan: (a) insurance companies, (b) bond and mortgage houses, (c) local banks and trust companies, and (d) individuals.

There are about sixty life insurance companies in the United States that have gross incomes of a million dollars a year or more. Some of the largest have weekly incomes exceeding a million dollars. A large portion of this tremendous income goes to the policy-holders and for expenses, but the balance is added to the reserve and becomes available for investment. These investments are closely supervised by the various State insurance departments, and this supervision has resulted in more and more of these reserves being invested in real estate mortgages.

Division of Business.

A letter of inquiry addressed to all the large life insurance companies brought the information that of the sixty companies addressed, forty of them confined most of their real estate loans to farm mortgages, while the remaining twenty looked with favor upon high-class building loans. Again, several of the companies loaning upon buildings confine their loans to store and office buildings in the centers of our large cities. Some will loan upon wholesale houses and apartment houses, a few will include hotels, but hardly any of them will favor theaters or hospitals.

The insurance companies are usually pro-

hibited by law from loaning more than 50 per cent. of the appraised value of the property, and many companies reduce this limit to 35 or 40 per cent. of the appraised value of the property. Some companies will not advance any money on a building until it is completed, and nearly all of them demand large yearly payments that reduce the mortgage and increase the security.

Many insurance companies will make their loans at a low rate of interest, without any expense to the borrower except the cost of examining title, preparing papers, etc. Other insurance companies allow their local agents to collect a fee for arranging the loans and also make a charge for expenses in connection with the loan. The rate of interest, methods of payment and other details vary, naturally, among the various companies.

Companies Restricted.

The many restrictions thrown about insurance companies, together with the fact that insurance companies will not loan at all upon various classes of buildings, has resulted in the rapid growth of the bond and mortgage houses throughout the United States.

These houses are essentially wholesalers of real estate securities. They buy the bonds and mortgages at the lowest price possible and then in turn retail them to their customers at such a profit as they can secure. The bond houses are usually more liberal than the insurance companies in the percentage they will loan and the buildings they will accept as security, but they, in turn, charge more for their money.

The methods of these houses in handling loans are similar, and one house operates much the same as another. Having arranged to make a loan, the bond house will usually issue bonds for the amount of

the loans secured by a mortgage on the ground and building. These bonds usually draw 6 per cent., although the rate varies and may be more or less than the 6 per cent. mentioned. The bond house then takes the entire issue of bonds at a discount on the face value.

Discount Varies Greatly.

The amount of this discount varies greatly, depending upon the money market, class of building, local conditions and other causes. On well located stores and office buildings the bonds will usually bring 95 cents on the dollar. Many building bonds have been sold at less than 90 cents on the dollar. If the bond houses can retail these bonds at par they make a gross profit equal to the amount of the discount. Some times they can do this, but many times they must also sell at a discount, in which case their gross profit is correspondingly reduced. Out of their gross profit they must, of course, pay the expenses of doing business, advertising the bonds and commissions to salesmen.

Bond houses usually demand yearly payments on the principal, the same as the insurance companies, but bond houses are, as a rule, more liberal than insurance companies in advancing money during the construction of the building. In addition to the other expenses mentioned, both insurance companies and bond houses will often require the borrower to pay the expenses of the appraisement of the property and to also provide a surety bond securing them against liens and attachments. All these expenses are a tax on the use of the money and materially increase the rate the borrower must pay. In other words, a so-called 6 per cent. loan may cost the borrower 7 per cent. or even more in yearly rent when all the various charges are included.

In recent years many large and costly buildings have been financed in our business centers, on what is known as leasehold property. In these cases the owner of the building does not own the land the building stands upon at all, but merely leases it for a long period at an agreed rental. As most insurance companies are prohibited by law from loaning on any real estate security that does not include the fee to the ground, these leasehold buildings are financed almost entirely by bond houses.

Local Customs Govern.

Loans are made by local banks and trust companies are governed by local customs and conditions, and very little can be said about them in this article. In general, however, it can be remembered that savings banks are subjected to supervision similar to the insurance companies, and hence their loans will be of like nature. Trust companies, however, often operate similar to what has been described for the bond houses.

Large loans on buildings by individuals

are not common and when made are a matter of personal contract between the borrower and the lender. The rate may be high or low, yearly payments may be large or small, it all depends upon the agreement between the parties concerned. Owing to the limited number of such loans, they cannot be given extended discussion in an article of this kind. Loans on large business buildings involve many legal and business details, so many that most loaning companies specialize in one certain kind of loans and refuse to entertain others. They build up a body of customers that have a preference for a certain class of bonds. For instance, some companies prefer apartment house loans, others will not consider them; some will specialize in loans on factories and industrial plants. They are equipped to judge the merits of the security offered and have customers that desire such securities. Many houses look upon hotel

loans as good loans; others view these with distrust.

Method of Procedure.

To the borrower seeking a large building loan the first consideration is to locate the individuals or companies that are equipped to handle the securities he has to offer. Once this is done, the amount of loan, the rate of interest and the time of payment become a matter of negotiation.

Credit or the use of money is a commodity like food or clothing and is worth what the lender can get for it. If the margin of security is large and the proposition safe the rates should be low, but if the proposition contains an element of speculation the cost of the loan increases accordingly. There are as many different classes of financial institutions making loans as there are merchants selling goods.

—I. E. Flanigan, in "New York Real Estate Record."

PAINT ON CEMENT OR CONCRETE SURFACES

A paper on "Paint Protection for Portland Cement Surfaces," by H. A. Gardner, of Washington, D. C., was read recently before the American Society for Testing Materials.

In April, 1912, Mr. Gardner instituted in Washington a series of tests to determine the durability of various types of paint upon Portland cement surfaces exposed to the weather. The panels for the tests were prepared by constructing a long board wall to which was fastened expanded metal. A mixture of 1 part of Portland cement and 2 parts of clean Potomac River sand was made and applied to the expanded metal, forming a cement wall 3 inches in depth. The wall was divided into 35 sections or panels, each 30 inches wide and 40 inches high. Three coats of paint were applied to each panel by a practical journeyman painter. In order to make the test more severe, nearly all of the paints were applied in white. (Tinted paints are known to be much more durable than white paints.) A strip of chrome green, 6 inches wide, was placed over the top of the third coat of paint, in order to determine whether or not the lime which might be present on the surface of the cement would have any effect upon the paint coating. Fading of the green to a yellow would indicate such action. A priming coat of 25 per cent. zinc sulphate solution was applied to the panels, to neutralize any free lime, but this is held to be unnecessary if the surface is dry when painted and will not be exposed to the weather.

The general results of the tests at the end of a 2-year period, together with an outline of the composition of the paints tested, is given as follows:

Class No. 1—Single-pigment paints, made with white lead or zinc oxide ground

in pure linseed oil. (These paints are in very good condition throughout.)

Class No. 2—Combination-pigment paints made of mixtures of white lead, zinc oxide or similar pigments ground in pure linseed oil. (These paints are in generally excellent condition.)

Class No. 3—Combination-pigment paints ground with mixtures of ray and heavy-bodied linseed oil or with treated Chinese wood oil. The viscosity of these oils requires the use of considerable turpentine or other thinner in the manufacture of such paints, in order to make them of the right viscosity for application. Semi-flat surfaces are therefore produced during the drying. (Most of these paints are in excellent condition.)

Class No. 4—Single and combination-pigments ground in oil varnishes containing acid resins. (These paints are checking and scaling in many spots. Such varnish paints are apparently not suited to exterior exposure.)

Class No. 5—Paints containing resins dissolved in volatile spirits (spirit varnishes) with or without pigments. (These paints are not giving very satisfactory service, the clear varnishes having entirely decayed in some cases. Those to which pigment has been added are in somewhat better condition.)

Class No. 6—Paints made with a single and combination-pigments ground in a water medium containing glue or casein as a binder. (These paints are chalking rapidly and are not moisture-proofing the cement. The pigment binder has been destroyed by the weather.)

The tests showed that the amount of free lime in fairly dry cement surfaces does not adversely affect high-grade oil paints. The

tests also showed that zinc sulphate may be used with excellent results as a primer to neutralize free lime in damp cement surfaces which are to be painted.

Opaque white pigments, such as basic-sulphate white lead, basic-carbonate white lead, zinc oxide, and lithopone, were present in the paints which gave the best results. In some of these paints there was present a percentage of inert pigments, such as barytes, asbestine, whiting, china clay, gypsum and silica. The scaling of varnish paints, which developed in several tests, apparently showed that resinous paints are not well suited for cement surfaces.

The oil paint is not attacked by the dry cement, and holds both texture and color. Equally satisfactory results were obtained with boiled linseed oil, mixtures of raw and boiled oil, and mixtures with Chinese wood oil. Such simple paint coatings were also found to be excellent for concrete floors, being durable, wear-resisting, and dust-preventive.

The results of these tests are quite in line with the results obtained by Ware and Schott in a series of paint exposure tests made upon exterior concrete surfaces. They also agree with previous long-time exposure tests made by the author.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

If a man can make a better quality of brick than his competitors can, it is up to him to let the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . . —R. R. Shuman, in "Standard Advertising."

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
Aspnalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Fomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.,
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., and Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori. g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Howard Ketcham, 3rd & Girard ave., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.

Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

P. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

Liberty Stove Co., 114 N. 2nd st., Phila.

J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.

Brinkmann Bros., 2615 Frankford ave., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange

O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,

Glen Rock, Pa., and Land Title Bldg., Phila.

Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Fine Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.

and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo,"

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility," Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co., Real Estate Trust Bldg., Phila.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.

Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.

and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

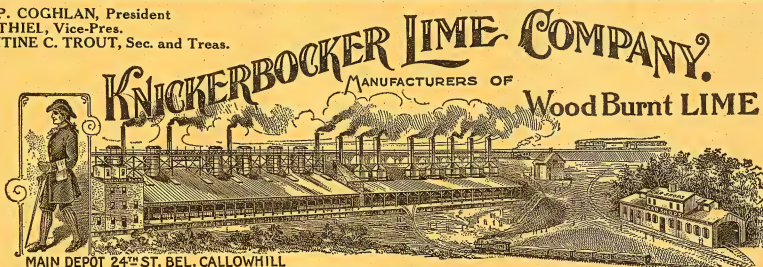
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities
Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL OFFER



You have experimented with many waterproofing
compounds containing "Stearates" or other Soaps.
IMPERVITE is not a soap: it is the only compound
which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is
better than two pounds of Soap Compound.



We can send you Official Gov-
ernment Tests and scores of
enthusiastic letters from Users—
but will this SATISFY you?

In order to give you an oppor-
tunity to PROVE our claims, we
are willing to send you 25 pounds
of Impervite for \$2.00 (freight
prepaid by us) with the understand-

ing that if it does not prove more
efficient than the compound you
are now using, you will be under no
obligation to pay us. We are willing
to let YOU be the judge. Write
to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX, No. 30.

PHILADELPHIA, WEDNESDAY, JULY 28, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

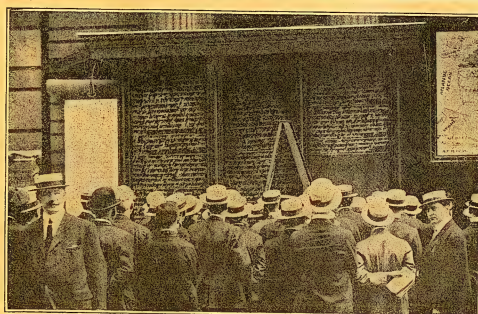
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street ∴ Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

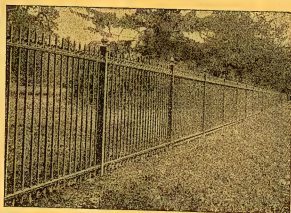
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawns, Fences, Tennis Courts, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

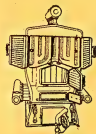
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO., Inc.
BULLETIN BUILDING, PHILA., PA.

== MILLS ==



"Reputation"

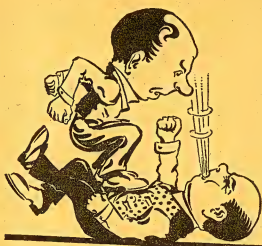
Some of the most famous buildings in the country are equipped with Mills Water Tube Boilers.

They are always found where "GOOD QUALITIES" count.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Audubon Wire Cloth Co., Inc.

AUDUBON, N. J.

Announce their succeeding the

Strawbridge & Chase Co.

OF PHILADELPHIA, PA.

Emphasizing the fact of no change
in management or conduct
of the business

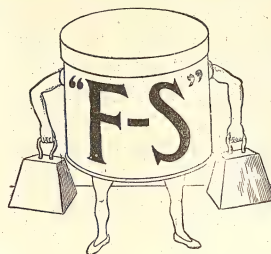
We wish further to let our friends and customers know of our increased facilities, new initiative and increased endeavors to give prompt delivery, service and low figures consistent with the quality of our products.

Audubon Wire Cloth Co., Inc.

Manufacturers of

Wire Cloth in Brass, Copper, Steel and Galvanized
Wire Screening, Sieves and Window Guards

AUTO TRUCK DELIVERING DAILY IN PHILADELPHIA, PA.



**"F-S" Products are strong
on quality.**

Have you ever used "Ef-Es-Co" for dead-flat white finishes? A smooth, hard, durable, washable surface is what you would get. "Ef-Es-Co" stands wear, and it flows out well under the brush. It is good on wood or metal. Dead white or various shades.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(115)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

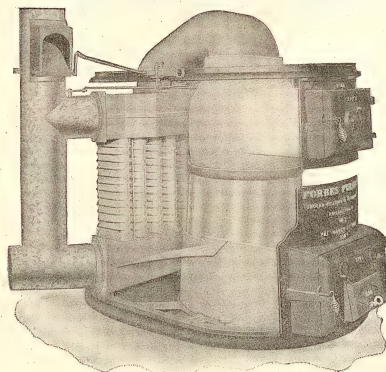
Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR
The Healthiest Heat**THE FORBES FURNACE**

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction. Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases. Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1517 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER

WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers

Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA

Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 30.

PHILADELPHIA, WEDNESDAY, JULY 28, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Fire House (alt. and add.), Somerville and Rising Sun avenues. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick and rough cast, 1 story and tower, 20x55 feet, slate roof, metal lockers, wire lath, tile work, waterproofing, (heating, plumbing, gasolene storage system, electric work separate bids). Owners taking bids, due July 30th. The following are figuring: James Conner, 2848 Frankford ave.; Mitchell Brothers, 2125 Race street; W. W. Anstine & Co., 1218 Filbert street; H. E. Baton, Twelfth and Sansom streets; J. H. Jordan, Thirty-first and Oxford streets; Wm. A. Munday, 227 South Ninth street, Philadelphia.

Hospital (alts.), Holmesburg, Pa. "Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of new slate roof and boilers for Hospital Building at House of Correction. Owners taking bids, due July 30th. The following are figuring: James Conner, 2848 Frankford ave.; Mitchell Brothers, 2125 Race street; John H. Jordan, Thirty-first and Oxford streets, Philadelphia. **Building (alts.)**, Sixtieth and Ludlow sts., Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Herman Brothers, 6019 Market street, Philadelphia. Brick, 1 story, 38x100 feet, electric lighting, consists of general alterations. Plans in progress.

Flat House, southeast corner Fifteenth and Locust streets, Philadelphia. \$700,000. Architect, Frederick Webber, Morris Building, Philadelphia. Owners, name withheld. Tapestry brick, terra cotta and steel, fireproof, 12 stories, 60x100 feet, slag roof, damp-proofing, reinforcing bars, parquet floors, tile and marble work, electric lighting, steam heating, 2 elevators. Builder Mark P. Wolls, 3229 North Seventeenth street, is taking sub-bids on all lines. Plans at architect's office.

Flat Houses (20), Creshelm road, Germantown. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owner, Edward C. Von Helfenstein, 348 West Duval street, Germantown. Brick, 2 stories, slag roofs, hot water heating, electric lighting, tile work,

hardwood floors. Owner taking sug-bids on all lines. Plans at architects' office.

Hospital (alts.), Thirty-fourth and Spruce streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, University of Pennsylvania Hospital, on premises. Consists of completion of Orthopaedic gymnasium, expanded metal lath, marble, kalamain doors, (heating and electric work reserved). Architects have received bids.

Foundry and Machine Shop, Seventeenth and Allegheny avenue, Philadelphia. Architect, private plans. Owners, Eynon-Evans Mfg. Co., Fifteenth and Clearfield streets, Philadelphia. Brick, concrete and steel, 3 stories, 50x120 feet, and 58x120 feet, slag roof, electric lighting, concrete floors. Owners taking bids. Harry Gill, 2515 Germantown avenue, is figuring.

Store and Residence (alt. and add.), 3645 Woodland avenue. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Mrs. Hortense L. Becker, on premises. Brick, 3 stories, slag roof, parquet floors, composition flooring, metal ceilings, (heating, electric work and store fixtures reserved). Architect has received bids.

Church (alts.), Fifty-second and Lancaster avenue, Philadelphia. Architect, Geo. I. Lovatt, 418 Walnut street, Philadelphia. Owners, St. Gregory's R. C. Church, Rev. R. F. Hanagan, 5182 Media street, Philadelphia. Consists of alterations to sanctuary. Architect taking bids, due July 28th. Wm. B. Dougherty, 1610 Sansom street, and Wm. J. McShane, 417 South Thirteenth street, Philadelphia, are figuring.

Residence (alts.), 1238 Reed street, Philadelphia. Architect, D. J. Pappano, 1211 Wharton street, Philadelphia. Owner, Joseph Caruso, on premises. Brick, 3 stories, consists of general interior alterations. Architect has received bids.

Sewage Pumping Station, Sixty-ninth avenue, west of York road. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Stone, 1 story, 20x19 feet, slate roof, metal lath, electric lighting. Own-

ers taking bids, due July 30th at noon. Plans may be obtained from Room 416, City Hall.

Trestles, etc., Morris street, east of Swanston street, Philadelphia. \$35,000. Engineer, Peter S. Gilchrist, Charlotte, N. C. Owners, Baugh & Sons Co., 20 South Delaware avenue, Philadelphia. Consists of trestles, loading towers, railway, etc., slag roofing, fire doors, structural steel. Owners have received bids.

Bridge, Cambria and A streets, Philadelphia. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Steel superstructure, concrete foundations, 52 feet wide over 13 trestles. Owners taking bids, due August 2d, at noon.

Bridge, Holme ave., over Pennypack creek. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Concrete arches, (2) 50 feet spans, (1) 80 feet span, 80 feet wide. Owners taking bids, due August 2d, at noon.

Prisons (alts. and adds.), Holmesburg and Tenth and Reed streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prisons, Board of Inspectors of the Philadelphia County Prisons, Tenth and Reed streets, Philadelphia. Stone, steel and concrete, Hospital Building, 2 stories, 30x43 feet; Ward Building, 1 story, 184x27 feet; also alterations to present buildings, slag roofs, tile work, metal lath, safety treads, concrete floors, reinforcing bars, enameled bricks, damp-proofing, (heating, plumbing, electric work and mechanical plant separate bids). Owners taking bids, due July 31st, at 11 A. M. In addition to those previously reported, P. J. Hurley, 1233 Cherry street; Ketcham & McQuade, 1029 Brown street; Thomas Reilly, 1616 Thompson street; Mitchell Brothers, 2125 Race street; Wm. R. Dougherty, 1610 Sansom street; Cramp & Co., Denckla Building; A. R. Raff, 1635 Thompson street; E. Roe Soaring, Perry Building; W. W. Anstine & Co., Reed Building; H. E. Baton, Twelfth and Sansom streets, are figuring.

Apartments (alt. and add.), 1437 North Fif-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.



Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{2}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

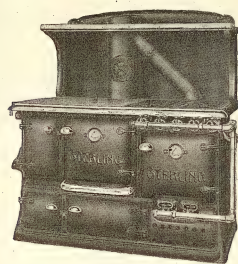
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

teenth street, Philadelphia. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Paul G. Bashore, Crozer Building, Philadelphia. Brick, 3 stories, consists of general alterations to residence for apartments, steam heating, electric lighting. Plans completed. Owner will take bids in a few days.

Store and Apartments, Broad and Rockland streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Louis and Benjamin Fox, 4910 North Broad street, Philadelphia. Brick, 3 stories, 32x69 feet, tile and slag roof, hot water heating, electric lighting, tile work, parquetry floors, metal lath. Revised plans in progress.

Residence (4), Queen Lane, Philadelphia. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owners, Queen Lane Land Co., Witherspoon Building, Philadelphia. Brick and rough cast, $2\frac{1}{2}$ stories, 24x34 feet each, slate roofs, hot water or hot air heating, electric lighting, tile work. Owners are taking sub-bids.

Bridge, Whitby avenue, over Phila. & B. C. R.R. Engineer, George S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Steel superstructure, concrete abutments, 80 feet wide, over 4 tracks. Owners taking bids, due August 4th, at noon.

Bridge, Front street, over Municipal Hospital drive. Engineer, George S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Reinforced concrete, 24 feet opening under 80 feet street. Owners taking bids, due August 4th, at noon.

Stable, 1540 Callowhill street, and 1541-43 Carlton street, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, Eugene H. Hunter, care architect. Brick, 1 story, 33x100 feet, slag roof, cement floors, electric lighting, steam heating. Architect has received bids.

Residence (alt. and add.), 26 Summit avenue, Chestnut Hill, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Clifford Pemberton, Jr., 3909 Locust street, Philadelphia. Brick, frame and plaster, shingle roof, metal lath, (heating, plumbing and electric work reserved). Architects have received revised bids.

Publishing Building (alts.), 107 North Sixth street, Philadelphia. Architect, private plans. Owners, Philadelphia "Tageblatt," 613 Cal-

lowhill street, Philadelphia. Brick, 3 stories, consists of general remodeling of basement, and first floor for newspaper offices. Owners taking bids. Matthew Schmid, 1808 North Sixth street, and Otto Mals & Son, 503 Norris street, are figuring.

Hall and Garage, Twenty-third and Moore streets, Philadelphia. Architect, Frank P. Dillon, 1223 South Twentieth street, Philadelphia. Owner, John Scanlon, Twenty-third and McKean streets, Philadelphia. Brick, 2 stories, 61x12 feet, 98x108 feet, slag roof, electric lighting, hot water heating, oil storage system. Owner is taking bids. H. D. Prettyman, 2603 South Broad street, Philadelphia, is figuring.

Church, Fifty-eighth and Springfield ave., Philadelphia. \$60,000. Architects, Ballinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owners, Springfield Avenue M. E. Church. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Club House, 313 South Broad street, Philadelphia. Architects, Ballinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owners, City Club of Philadelphia, Real Estate Trust Building. Brick and stone, 4 stories, slag roof, steam heating, tile and marble work, electric lighting, elevator, fireproofing, metal lath. Plans in progress. Architects will take bids in about 3 weeks.

Residence (19), Sixtieth and Irving streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John Boylan, 255 South Sixtieth street, Philadelphia. Brick, 2 stories, 16x32 feet each, slag roof, hot water heating, electric lighting, hardwood floors. Owner taking sub-bids.

Residences (16), Wynnewood avenue and Jefferson street, Philadelphia. Architect, private planners. Owner, W. Percival Johnson, 4039 Lancaster avenue, Philadelphia. Stone, 3 stories, 24x35 feet, slate roof, electric lighting, hardwood floors, hot water heating, tile work. Owner is ready for sub-bids.

Loft Building, southeast corner Ninth and Walnut streets, and 835 Walnut street. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, S. P. Wetherill, Morris Building, Philadelphia. Concrete, brick and steel, 10 stories, 95x121, and 25x143 feet, slag roof, steam heating, electric lighting, elevators, fire doors, metal sash. Architect taking sub-bids on all lines, due July 27th.

Rectory, Sixty-fifth and Callowhill streets,

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

Philadelphia. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, St. Donato's R. C. Church, Rev. Petro Michetti, on premises. Stone and terra cotta, 2 stories, slate and slag roof, steam heating, electric lighting, tile work. Owners will submit all contracts.

Church and Rectory, Twenty-ninth and Fletcher streets, Philadelphia: Architects, Street & Stockhouse, Drexel Building, Philadelphia. Owners, Reformed Episcopal Church of the Intercession, Rev. George Worrell, 2828 North Twenty-sixth street, Philadelphia. Stone, 1 story, 44x70 feet, stone, 2½ stories, 16x56 feet, slate roof, steam heating, electric lighting, tile work. Plans about completed. Architects will take bids in about ten days.

Toilet Building, Girard College grounds, Philadelphia. Architect, James H. Windrim, Commonwealth Building, Philadelphia. Owner, Girard Estate, Lafayette Building, Philadelphia. Brick and concrete, 1 story, 187x22 feet, slate roof, waterproofing, electric lighting, hot water heating, tile work. Architect taking revised bids, due August 2nd. The following are figuring: Pomeroy Construction Co., 1609 Chestnut street; F. W. Van Loon, Denckla Building; J. S. Cornell & Sons, Land Title Building; Jacob Myers & Sons Co., Witherspoon Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Sewage Pumping Station, Sixty-ninth avenue, west of York road. Engineer, George S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Stone, 1 story, 20x19 feet, slate roof, metal lath, electric lighting. Owners taking bids, due July 30th, at noon. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

Immigration Station, etc., foot of Reed street, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Consists of building immigration station on Pier No. 53, offices, repair shops, etc., brick, 1 story, 25x12 feet, 18x12 feet, 36x18 feet, 36x31 feet, 69x24 feet, slag and tin roofs, hot air heaters, steam heating, electric lighting, composition floors, proposal bond. Owners taking bids, due August 2nd, at 10 A. M. In addition to those previously reported, Irwin & Leighton, 126 North Twelfth street; McCloskey & Ebbels, Hale Building; James H. Wells, Heed Building; Frank G. Stewart, 1619 Sansom street; Ketcham & McQuade, 1029 Brown street; H. E. Baton, Twelfth and Sansom streets; John N. Gill & Co., Heed Building; George Hogg, 1634 Sansom street; Roydhouse-Arey Co., Fidelity Building; Charles Gilpin, Harrison Building; Barclay White & Co., Perry Building; Brann & Stuart, Commercial Trust Building, all of Philadelphia, are figuring.

Residence (alt. and add.), 6806 Green street, Philadelphia. Architect, J. Horace Frank,

Real Estate Trust Building, Philadelphia. Owner, Rev. James A. Montgomery, on premises. Brick, 2½ stories, shingle roof, hot air heating, oak floors, tile work. Architect taking bids, due July 29th. The following are figuring: Graham-Campion Co., Heed Building; Supple Construction and Contracting Co., Bulletin Building; Thomas C. Trafford, 1618 Sansom street; H. E. Baton, Twelfth and Sansom streets; William C. Bright, 22 Harvey street; William J. Grubler Co., 219 East High street; Samuel Harting, 20 East Johnson st.; W. H. Brannon, Swarthmore, Pa.

Residences (80), Fifty-ninth and Hunter streets, Philadelphia. Architect, private plans. Owner, Alexander Ferguson, 1800 South Fifty-sixth street, Philadelphia. Brick, 2 stories, 16x34 feet, hot water heating, slag roof, tile bath, hardwood floors, combination lighting. Work about to be started.

Flat Houses (2), 424 North Fortieth street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles A. Mory, 1211 Arch street, Philadelphia. Brick, stone trimmings, 2 stories, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Stores and Apartments (2) and 3 Dwellings, Lex street and Fairmount avenue. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, S. Stone, care of architect. Brick, 3 stories, 20x50 feet, slag roof, steam heating, electric lighting, tile work and fireproofing; residences, 2 stories, 16x40 feet, slag roof, hot air heating, electric lighting. Plans completed. Architect about ready for bids.

Warehouse, Tenth and Spring streets, Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick and concrete, reinforcing bars, 2 stories, 54x41 feet; wing, 20x60 feet, slag roof, electric lighting, steam heating. Preliminary plans in progress.

Sunday School, Fifty-third and Chestnut streets, Philadelphia, \$30,000. Architects, Laehman & Murphy, Witherspoon Building, Philadelphia. Owners, St. Matthew's M. E. Church, Rev. Richard Radcliffe, Fifty-third and Sansom streets, Philadelphia. Stone, 2 stories, 60x70 feet, slate roof, steam heating, electric lighting. Plans about completed. Architects will take bids in about ten days.

Club House (alts.), 239 South Camac street, Philadelphia, \$2,500. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Poor Richard Club, on premises. Brick, 2 stories, consists of interior alterations (heating, plumbing and electric work reserved). Architect taking bids, due August 2nd. The following are figuring: Thomas M. Seeds, 1207 Race street; George Kessler Contracting Co., Drexel Building; F. B. Davis, 240 North Sixteenth street; John N. Gill & Co., Heed Building; George & Brost, 277 South Eleventh street; Frank F. Wallace, 1220 Chancellor street, Philadelphia.

THE FAIRBANKS CO. PHILADELPHIA

VALVES AND SCALES

Let Us Make Your Home
Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage and Machine Shop, Fairhill, north of Somerset street, Philadelphia. \$8,600. Architect, E. A. Duff, 1830 East Schiller street,

Philadelphia. Owners, Lusse Brothers, 2807 North Fairhill street, Philadelphia. Brick, 2 stories, 136x36 feet, slag roof, (heating, elec-

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

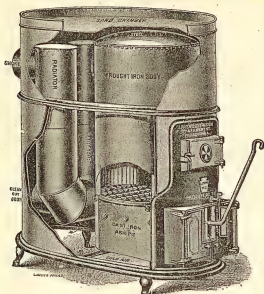
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

Your new homes, no matter how simple and inexpensive, should have

All Gas Kitchens

We will be glad to assist you in selecting the proper gas appliances for your requirements and estimate on the cost of installation.

Our ideas may save you money. Call up our Builders and Operators Division.

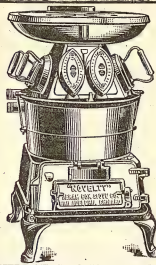
—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

tric work, elevator, gasoline storage system reserved). Contract awarded to Stewart Brothers, 2526 North Orkney street, Philadelphia.

Department Store (alts.), Tenth and Market streets, Philadelphia. \$75,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Berg Brothers, on premises. Consists of new bulk windows and interior alterations, terra cotta, concrete fireproofing, ornamental iron, metal, ceilings, metal lath, parquetry floors, tile work, electric work. Contract awarded to P. M. Sax, Heed Building, Philadelphia.



THE NEW "NOVELTY" LAUNDRY STOVE

Answers the Growing Demand of House Buyers in the Most Practical and Efficient Way.

It will Supply AMPLE HOT WATER AT ALL TIMES at a Cost of Only a Few Cents a Day; and in addition will also Heat Eight Irons on the Side and a Large Wash Boiler on the Top.

Write for Literature and See Why it is the Most Efficient Appliance of its Kind

Manufactured by
ABRAM COX STOVE CO.
EXHIBIT AT
BUILDERS' EXCHANGE
American and Dauphin Sts.

Office and Garage, 1527-27 North Sixtieth street, Philadelphia. \$2,500. Architect, private plans. Owner, Francis E. Fitzgerald, 5847 Lansdowne avenue, Philadelphia. Consists of general alterations and additions. Work about to be started.

Garage, Sixty-second and Woobine avenue, Philadelphia. \$3,000. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, C. F. Piel, Overbrook, Pa. Consists of general alterations. Contract awarded to Milton W. Young, Overbrook, Pa.

Store Building, 1335 Vine street, Philadelphia. \$8,000. Architect, Chas. E. Oelschlagler, Harrison Building, Philadelphia. Owner, Jacob Goid, 1317 Vine street, Philadelphia. Brick and terra cotta, 3 stories, 16x80 feet, slag roof, steam heating, electric lighting, metal lath, fire doors, tile work, electric elevator. Contract awarded to Seidman & Getz, 1312 North Sixth street, Philadelphia.

Residence, West Johnson street, Germantown. Architects, Savery, Scheetz & Savery, St. Girard Building, Philadelphia. Owner, Mrs. Mary Savery, 419 West Johnson street, Germantown. Stone, 2½ stories, 42x25 feet, wing, 14x17 feet, slate roof, warm air heating, oak floors, electric lighting, tile work. Contract awarded to Moore & Graham, 6224 Wissahickon avenue, Philadelphia.

Garage, 1915 North Broad street, Philadelphia. Architect, private plans. Owner, Dr. George P. Katzenstein, on premises. Brick, 1 story, slag roof, cement floors. Contract awarded to W. E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Church (alts.), Thompson and Susquehanna avenue, Philadelphia. \$2,500. Architects, Chas. W. Bolton & Co., Witherspoon Building, Philadelphia. Owners, Siloam M. E. Church, Rev. J. C. Petrie, on premises. Consists of alterations to basement, (heating, plumbing and electric work reserved). Contract awarded to Thos. C. Trafford, 1613 Sanson street, Philadelphia.

Hospital (alts.), 8815 Germantown avenue, Philadelphia. \$2,500. Architects, Brockie & Hastings, 1713 Sanson street, Philadelphia. Owners, Chestnut Hill Hospital, on premises. Consists of 5 new private bathrooms, tin and slate roof, metal lath, tile work, electric lighting, steam heating. Contract awarded to Wm. J. Grubler & Co., 219 East High street, Germantown.

Nurses' Home (alts.), Tenth and Sanson streets, Philadelphia. \$1,200. Engineer, H. S. Farquhar, Franklin Bank Building, Philadelphia. Owner, Jefferson Hospital, on premises. Consists of covered passageway and interior alterations. Contract awarded to S. E. Waters, 2218 Ranstead street, Philadelphia.

Store and Warehouse (alt. and add.), 503 Market and 4 and 6 North Fifth street. Architects, Peuckert & Wunder, 310 Chestnut st., Philadelphia. Owners, Haverford Cycle Co., 827 Arch street, Philadelphia. Brick, terra cotta and steel, 5 stories, 35x140 feet, 46x54 feet, slag roof, steam heating, electric lighting, elevators. Contract awarded to Philip

Haibach Contracting Co., Twenty-sixth and Thompson streets, Philadelphia.

Freight Station, Front and Reed streets, Philadelphia. \$65,000. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete, 1 and 2 stories, 30x450 feet, slag roof, steam heating, electric lighting, reinforcing bars, metal lath, fire doors, iron stairs, steel rolling doors, composition flooring, safety treads. Contract awarded to Barclay White Co., Perry Building, Philadelphia.

Residence (alt. and add.), 241 South Eighteenth street, Philadelphia. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Margaret Thomas, 1904 Mt. Vernon street, Philadelphia. Brick, 4 stories, steam heating, electric lighting, hardwood floors, tile work. Contract awarded to Wm. R. Dougherty, 1510 Sanson street, Philadelphia.

Meeting Hall (alt. and add.), 1924 Germantown avenue, Philadelphia. Architect, F. N. Grisler, Lafayette Building, Philadelphia. Owners, Congregation of Anshe-Sholom, on premises. Brick and stone, 3 stories, 19x70 feet, slag roof, steam heating, electric lighting, metal lath. Contract awarded to H. Slars, 7809 North Seventh street, Philadelphia.

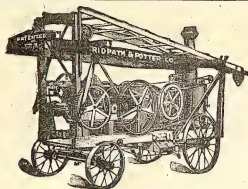
Garage (alt. and add.), St. Martins, Philadelphia. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Mrs. Phoebe J. Clemens, St. Martins, Pa. Stone and stucco, 2 stories, 18x22 feet, tile roof, electric lighting, hot water heating. Contract awarded to I. A. Dunkelberger, 71 East Herman street, Germantown.

Residence (alt. and add.), 3817 Spruce st., Philadelphia. Architects, Karchner & Smith, 34 South Seventeenth street, Philadelphia. Owner, William F. Bement, Real Estate Trust Building, Philadelphia. Brick, 3 stories, slate roof, canvas floors, hot air heating, electric lighting, tile work. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Residence, Slocum street and East Germantown avenue, Philadelphia. \$4,500. Architect, Paul A. Boyd, 211 East Willow Grove avenue, Philadelphia. Owner, William H. Walter, 48 East Slocum street, Germantown. Brick, 2½ stories, 16x54 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Stokes Bros., 6723 Musgrave street, Philadelphia.

The "Builders' Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.

A retailer may fool himself by failing to charge all of his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—Ex.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA Construction News

Residence, Laverock, Pa. Architects, Furness, Evans & Co., and Joseph T. Sims, Provident Building, Philadelphia. Owner, Charles Platt, Jr., 400 Chestnut street, Philadelphia. Frame and stucco, or hollow tile and stucco, 2½ stories, 40x30 feet, shingle roof, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in about two weeks.

School Building, Marcus Hook, Pa. \$35,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slag roof, steam heating, electric lighting, slate blackboards, metal lath. Plans in progress.

Dye Works (add.), Reading, Pa. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owner, name withheld. Brick, 2 stories, 40x120 feet, slag roof, steam heating, electric lighting. Plans in progress.

High School, Lansford, Pa. \$150,000. Architects, (Assoc.) Tooker & Marsh, 101 Park avenue, New York City, and John T. Simpson, Essex Building, Newark, N. J. Owners, Board of Education, Thomas T. Whilden, Secretary, Lansford, Pa. Brick, stone trimmings, concrete and steel, fireproof, 3 stories, 136x121 feet, slag roof, dampproofing, fire doors, concrete floors, reinforcing bars, wire lath, safety treads, tile and marble work, elevator, slate blackboards, (heating, plumbing and electric work separate bids). Owners taking bids, due August 8th. Melody & Keating, Bailey Building, and F. Roe Searing, Perry Building, Philadelphia, are figuring. Plans may be obtained upon deposit of certified check for \$25.00.

Residence, Loretto, Pa. \$150,000. Architects, Wm. Baumgarten & Co., 715 Fifth avenue, New York City. Owner, Charles M. Schwab, 111 Broadway, New York City. Limestone, 3 stories, 82x53 feet, wing, 44x31 feet, slate and tile roof, waterproofing, electric lighting, steam heating, oak floors, metal weatherstrips, oak floors, tile and marble work, elevator, metal sash, kalamein doors. Architects have received bids.

Home Buildings, Muncy, Pa. Architect, Horace Trumbauer, Land Title Building, Owners, State of Pennsylvania, Home for

Criminal Women, George Quintard Horwitz, chairman of committee, West End Trust Building, Philadelphia. Stone and brick, 2½ stories, 2 cottages, 109x38 feet, each, 1 cottage, 96x79 feet, Administration Building and School, 153x74 feet, slate roofs, concrete fireproofing, waterproofing and dampproofing, slate blackboards, metal lath, canvas floors, (steam heating, electric work and plumbing separate bids). Lowest bid submitted by Metzger & Fisher, Denckla Building, Philadelphia.

Club House, Hatboro, Pa. Architects, Hancock & Hokanson, Bailey Building, Philadelphia. Owners, Philadelphia Motor Speedway Association, Land Title Building, Philadelphia. Frame, 2 stories, 200x30 feet, shingle roof. Plans in progress. Owners will take sub-bids.

Hotel (alt. and add.), Scranton, Pa. Architects, Charles P. Krieg associated with McKenzie, Voorhees & Gmelin, 1123 Broadway, New York City. Owners, Casey Hotel Co., J. P. Casey, president, Scranton, Pa. Brick, hollow tile and steel, fireproof, 9 stories, 200 rooms, baths and showers, composition roof, steam heating, electric lighting, metal lath, dampproofing. Ready for bids in a few days.

Moving Picture Theatre, South Main street, Wilkes-Barre, Pa., \$7,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre, Pa. Owner, Thomas Bowen, Wilkes-Barre, Pa. Brick and terra cotta, 1 story, 33x92 feet, slag roof, indirect steam heating, electric lighting, concrete floors, metal lath, waterproofing and dampproofing. Architect taking sub-bids.

Hotel and Apartment, Hazleton, Pa., \$15,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, John Pusti, Hazleton, Pa. Brick, 3 stories, 36x54 feet, slag roof, hot water heating, combination lighting, tile baths. Revised plans in progress.

Church and Rectory, Nanticoke, Pa., \$60,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, St. Joseph's R. C. Church, Rev. Sobata, Nanticoke, Pa. Brick and terra cotta, 1 and 2½ stories, 56x130 feet, and 34x43 feet, asbestos roofing, steam heating, electric lighting, metal lath.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tim and Slag

Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings.
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

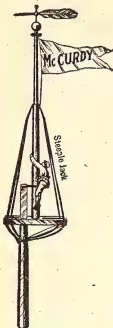
Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
83 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



**FLAG POLES
and Fittings**

**Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes**

**Furnished and Erected
Complete**

**STEEPLEJACK
CANVAS ROOFING**

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



**Wells - Soundings
Test Borings**

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON

**Brick Arches and Angles
Ground and Fitted**

Full Size Drawings Furnished

11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

Architect taking bids, due July 26th. The following are figuring: A. Hildebrand, Kehoe & Mowery, Luther Roth, and Abe Thomas, all of Wilkes-Barre, and the Nanticoke Construction Co., Nanticoke, Pa.

Bakery, Wilkes-Barre, Pa., \$15,000. Architect, George S. Welsh, Coal Exchange Building, Wilkes-Barre. Owners, Kolg Bakery Co., Wilkes-Barre, Pa. Brick, stone and steel, 2 stories, 40x120 feet, slag roof, steam heating, electric lighting, maple floors. Owners will sub-let all contracts.

Apartment House, Washington street, Wilkes-Barre, Pa., \$110,000. Architect, Henry A. Maier, 701 Coal Exchange Building, Wilkes-Barre. Owners, H. A. & F. Maier, 701 Coal Exchange Building, Wilkes-Barre. Brick and terra cotta, 6 stories, 100x108 feet, slag roof, steam heating, electric lighting, wood and concrete floors, marble, granite and limestone, hollow tile fireproofing, steel doors, metal windows, iron stairs, elevators, dumb waiters and ventilators. Architect will be ready for bids in about two weeks.

Church, Berwick, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre. Owners, St. Mary's Catholic Church, Berwick, Pa. Brick, 1½ stories, 40x101 feet, slate roof, steam heating, electric

lighting. Owners will sub-let all contracts.

Apartment House, Nanticoke, Pa., \$13,000. Architect, Henry A. Maier, 701 Coal Exchange Building, Wilkes-Barre. Owner, Frank Devlin, South Main street, Wilkes-Barre, Pa. Brick, 3 stories, 38x30 feet, slag roof, steam heating, electric lighting. Owner will sub-let all contracts.

School (alt. and add.) (No. 2), Greenwood, Pa. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owners, Moosie School District, David W. Jones, Greenwood, Pa. Frame, 2 stories, 48x39 feet, shingle roof, steam heating. About ready for bids.

Store and Apartment, Carbondale, Pa., \$24,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, Dr. M. E. Nealon, Carbondale, Pa. Brick or hollow tile, 5 stories, 34x80 feet, slag roof, steam heating, tile floors, metal lath. Architect taking bids, due July 26th.

Apartment House, Sheeler avenue and Gibson street, Scranton, \$15,000. Architect, J. J. Howley, People's Bank Building, Scranton, Pa. Owner, J. J. Howley, People's Bank Building, Scranton, Pa. Hollow tile and stucco, 4 stories, 75x45 feet, slag roof, steam heating, combination lighting, tile and hardwood floors, metal lath, skylights and ventilators. Plans in progress.

Apartment, North Ninth street, Scranton, Pa., \$10,000. Architect, J. J. Howley, People's Bank Building, Scranton, Pa. Owner, Frank Carlucci, 912½ Madison avenue, Scranton, Pa. Brick and concrete block, 4 stories, 44x50 feet, slag roof, steam heating, electric lighting, concrete flooring, metal lath. Plans in progress.

Church, Throop, Pa., \$45,000. Architect, J. J. Howley, People's Bank Building, Scranton, Pa. Owners, St. Anthony's Polish R. C. Church, Rev. R. A. Wiesiolowski, Throop, Pa. Brick and stone, 1 story, 60x130 feet, slate roof, steam heating, electric lighting, composition floors. Plans in progress.

School, Dickson City, Pa., \$55,000. Architect, J. J. Howley, People's Bank Building, Scranton, Pa. Owners, Dickson City School District, Wallie Scott, Dickson City, Pa. Brick, 3 stories, 64x110 feet, slag roof, steam heating, electric lighting, metal lath, damp-proofing. Plans in progress.

Arsenal (add.), Harrisburg, Pa., \$55,000. Architect, C. A. Keyworth, State Capitol, Harrisburg, Pa. Owners, State of Pennsylvania, Department of Public Grounds and Buildings, Samuel B. Rambo, Superintendent, State Capitol, Harrisburg, Pa. Brick, terra cotta, concrete and steel, fireproof, 2 stories, 211x61 feet, slag roof, steel sash, fire doors, reinforced bars (heating, plumbing and electric work separate bids). Owners taking revised bids, due August 10th at 2 P. M. The following are figuring: F. Roe Searing, Perry Building; Bailey Lush Co., 201 North Broad street; Edward Pay & Son, 2 South Mole street; F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Factory Building, Wilkes-Barre, Pa., \$300,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Lehigh and Wilkes-Barre Coal Co., Wilkes-Barre, Pa. Brick and concrete, 1 and 2 stories, consists of machine shop, blacksmith shop, boiler and structural shop, car shop, wheelwright shop, carpenter shop, oil house, sheds, etc., asbestos roofs, electric lighting, steam heating, steel sash, oil tanks and pumps, electric

cranes and electric equipment. Owners will take sub-bids August 1st.

Garage, Pennsylvania avenue, Wilkes-Barre, Pa., \$6,000. Architect, Henry A. Maier, 701 Coal Exchange Building, Wilkes-Barre. Owner, Max Lewis, South Franklin street, Wilkes-Barre, Pa. Brick, 1 story, 40x128 feet, slag roof, steam heating, electric lighting, concrete floors. Architect taking bids, due July 28th. The following are figuring: M. L. Roth, O. J. Behrens & Son, John E. James, Sheppard Const. Co., C. J. Barney, W. J. Kear, Co-operative Builders' Corporation, and W. B. Richards, all of Wilkes-Barre, Pa.

Barn, Elmhurst, Pa. Architect, J. S. Duckworth, Scranton Coal Exchange Building, Scranton. Owner, Benjamin Throop, Connell Building, Scranton, Pa. Cement and stucco, 2 stories, 185x100 feet, asbestos roofing, electric lighting. Architect taking bids.

Double Residence, West Pittston, Pa., \$6,000. Architects, Davey & Crothers, Coal Exchange Building, Scranton, Pa. Owner, A. H. Mosier, West Pittston, Pa. Frame, 2½ stories, 40x80 feet, asbestos roof, steam heating, electric lighting, hardwood floors. Owners taking sub-bids.

Stores and Apartments, Scranton, Pa., \$30,000. Architect, Albert Hartman, People's Bank Building, Scranton. Owners, Schultz Bros., Prescott avenue and Ash street, Scranton. Brick and frame, 2 stories, 50x88 feet and 64x45 feet, slag roof, steam heating, electric lighting. Architect taking bids, due July 28th. The following are figuring: Hower & Stander, Noy Ang Lumber Co., Charles Lee, Stanter Bros., all of Scranton, Pa.; Roberts Bros., Peckville, Pa.; F. J. Peck, Dunmore, Pa.

Church (interior alt.), Scranton, Pa., \$15,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owners, First Welsh Church, Scranton, Pa. Electric fixtures, hardwood and tile floors. Plans in progress. Architect taking bids, due July 28th.

High School, Hughesstown, Pa., \$30,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owners, Board of Education, Edward Schmalz, Pittston, Pa. Frame, 3 stories, 78x81 feet, asbestos shingle roof, composition floors, metal ceilings, metal lath, damp-proofing (heating, plumbing and electric work separate bids). Owners taking revised bids, due August 5th.

Residence, Collegeville, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, A. J. Bernhart, Collegeville, Pa. Rough cast, 2½ stories, tile roof, steam heating, electric lighting, tile work, hardwood floors. Plans in progress.

High School, Hanover, Pa., \$75,000. Architect, Charles M. Anderson, 324 North Charles street, Baltimore, Md. Owners, Board of Education, H. G. Becker, President. Brick, 2 stories, 100x128 feet (heating, plumbing and electric work separate bids). Owners taking bids, due August 12th. F. Roe Searing, Perry Building, Philadelphia, is figuring.

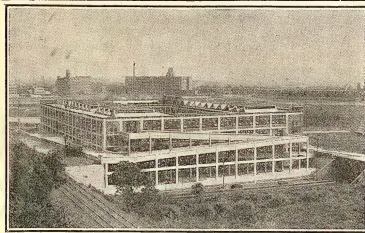
Farm House (remodeling), Media, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Farman Rogers Furness, Media, Pa. Stone, 2½ stories, consists of general remodeling of farm house for residence, shingle roof, hot air heating. Plans in progress.

Residence, Noble, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Frank D. Williams, De Long

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Building, Thirteenth and Chestnut streets, Philadelphia. Stone, 2½ stories, 45x35 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Plans about completed. Owner will soon take sub-bids on all lines.

Residence, Ardmore, Pa. Architects, Frank Seeburger and Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Granville B. Hopkins, Ardmore, Pa. Stone, 2½ stories, 33x60 feet, shingle roof, hot water heating, oak floors, tile work, electric lighting. Plans completed. Architects will take bids in a few days.

Church and Sunday School, Hudson, Pa., \$10,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre. Owners, Hudson Primitive Methodist Church, Hudson,

Pa. Frame, 1 and 2 stories, 42x74 feet, shingle roof, steam heating, electric lighting, metal lath, dampproofing, cast iron balcony. Architect taking bids.

Store and Apartments, Edwardsville, Pa., \$12,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner, Mrs. McHugh, Edwardsville, Pa. Brick, 2 stories, 48x62 feet, slag roof, steam heating, electric lighting, composition floors. Plans in progress.

Superintendent's Residence, Ransom, Pa., \$6,000. Architects, Dancy & Growther, Coal Exchange Building, Scranton, Pa. Owners, Pittston City Poor District, care of John Gorman, Secretary, Inkerman, Pa. Brick, 3 stories, 36x40 feet, slate roof, steam heating, electric lighting, tile work, metal lath, dampproofing. Owners taking bids, due August 5th.

fects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, John S. Bioren, 715 Chestnut street, Philadelphia. Stone, 2½ stories, 30x100 feet, slate roof, tile work, oak floors, metal lath, waterproofing (heating and electric work reserved). Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

Church, Jermy, Pa., \$15,000. Architects, Dancy & Crowther, Coal Exchange Building, Scranton, Pa. Owners, Orthodox Greek Catholic Church, care of Nicholas Olrich, Jermy, Pa. Frame, 2 stories, 40x75 feet, slate roof. Contract awarded to Peck Lumber Co., Pecksville, Pa.

Apartments, Nanticoke, Pa. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owners, Brand & Freedman, Nanticoke, Pa. Brick, 4 stories, 82x44 feet, steam heating, electric lighting. Contract awarded to Nanticoke Construction Co., Nanticoke, Pa.

Storage Garage, Meridian street, Scranton, Pa., \$12,000. Architect, J. J. Howley, Scranton, Pa. Owners, Maloney Oil Co., Scranton, Pa. Concrete, tapestry brick and limestone, 2 stories, 35x65 feet, slag roof, steam heating, electric lighting, concrete floors, ventilators, metal sash, skylights, 2 turn tables. Contract awarded to Peter Stipp, 327 North Washington avenue, Scranton.

Superintendent's Residence, Scranton Poor Farm, Clark's Summit, Pa., \$88,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owners, Scranton Poor Board, Scranton, Pa. Brick veneer, 2½ stories, 32x44 feet, tile roof (electric lighting and heating reserved), tile work. Contract awarded to Summit Lumber Co., Clark's Summit, Pa.

Stores and Apartments, Wilkes-Barre, Pa. Architect, Ed. Eyerman, 86 Charles street, Wilkes-Barre, Pa. Owner, Dr. S. M. Wolfe, 127 Academy street, Wilkes-Barre, Pa. Terra cotta, brick and hollow tile, 4 stories, 52x40 feet, slag roof, steam heating, electric lighting, tile work, metal lath, wire glass. Contract awarded to A. M. Hildebrand, 91 Wood street, Wilkes-Barre.

Residence (alt. and add.), Cynwyd, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Francis Vaux Wilson, Cynwyd, Pa. Stone and frame, 2½ stories, shingle roof, oak floors, tile work, wire lath (plumbing, heating and electric work separate bids). Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

Hall and Fire House, Millbourne, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owners, Borough of Millbourne, E. S. Opdyke, Secretary, 6417 West Chester road, Millbourne, Pa. Stone, 1½ stories, 33x45 feet, shingle roof, hot water heating, electric lighting, concrete floors, reinforcing bars. Contract awarded to Burd P. Evans & Co., Thirtieth and Wallace streets, Philadelphia.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

"The Guide" is now covering Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia, Ohio and Illinois. And it's growing, growing, growing.

PENNSYLVANIA Contracts Awarded

Manse, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut streets, Philadelphia. Owners, Tully Memorial Presbyterian Church, Sharon Hill, Pa. Stone, hollow tile and plaster, 2½ stories, 41x33 feet, slate roof, hot water heating, parquetry floors, electric lighting, tile work. Contract awarded to Frank E. Wallace, 1220 Chancellor street, Philadelphia.

Nurses' Home, Lock Haven, Pa. Architects, Harris & Rush, 130 South Fifteenth street, Philadelphia. Owners, Lock Haven Hospital, Lock Haven, Pa. Brick, stone and terra cotta, 3 stories, 69x34 feet, green slate and canvas roof, vapor vacuum heating, electric lighting, waterproofing, oak floors, metal lath, tile work. Contract awarded to Thos. M. Seeds, Jr., 1207 Race street, Philadelphia.

Sunday School and Parsonage, Ardmore, Pa. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, First Presbyterian Church, Ardmore, Pa. Stone, 2 and 2½ stories, 60x116 feet, slate roofs, tile work (heating and electric work reserved). Contract awarded to Jas. B. Flounders, 1329 Arch street, Philadelphia.

Residence (alt. and add.), Wyomissing, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, H. P. Roepert, Wyomissing, Pa. Stone and frame, 2 stories, slate roof, electric lighting. Contract awarded to George A. Koch, 1024 Robeson street, Reading, Pa.

Sunday School (alt. and add.), Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Mark's Reformed Church, Lebanon, Pa. Brick, stone trimmings, 1 story, 20x40 feet, tin roof, steam heating, electric lighting. Contract awarded to Swope & Brother, Lebanon, Pa.

Residence, Beechwood Park, Pa. Architect, private plans. Owner, Robert Abernathy, Rosemont, Pa. Frame, 2 stories, 16x32 feet,

asphalt shingle roof, electric lighting, (heating reserved). Contract awarded to D. R. Evans, Newtown Square, Pa.

Residence, Gilham street, west of Oakley street, Lansdale, Pa. \$4,000. Architect, private plans. Owner, Louis F. Brandenstein, 6432 Rising Sun avenue, Philadelphia. Stone and frame, 2½ stories, 24x31 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Stewart Brothers, 2526 North Orkney street, Philadelphia.

Residence, Drexel Hill, Pa. Architect, E. Kennedy Crothers, 133 South Fifty-second st., Philadelphia. Owner, Arthur F. Lecron, 5924 Walton avenue, Philadelphia. Stone, 2½ stories, 40x28 feet, wing, 12x16 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to A. M. Ernold, Manhattan Building, Philadelphia.

Silk Mill (add.), Wilkes-Barre, Pa. Architects, Hancock & Koch, Coal Exchange Building, Scranton, Pa. Owners, Wilkes-Barre Silk Co., Wilkes-Barre, Pa. Brick, 4 stories, 80x48 feet, slag roof, steam heating, electric lighting. Contract awarded to John Curtis & Co., Wilkes-Barre, Pa.

School, Kingston, Pa., \$35,000. Architects, Sturdevant & Fogg, Coal Exchange Building, Wilkes-Barre. Owners, Board of Education, Kingston, Pa. Brick and terra cotta, 2 stories, 60x85 feet, slag roof, steam heating, electric lighting, composition and wood floors, iron stairs. Contract awarded to John Curtis & Co., Wilkes-Barre, Pa.

School, Glen Lyon, Newport Township, Pa. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, School Board, care of Joseph Dzidalowski, Secretary, Glen Lyon, Pa. Brick, 2 stories, 60x80 feet, slag roof, steam heating, electric lighting, metal ceilings, slate blackboards. Contract awarded to Herman Mailander, Wilkes-Barre, Pa.

Residence, Radnor, Pa., \$40,000. Archi-

NEW JERSEY Construction News

Factory, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Taylor-White Extracting Co., Cooper's Creek, Camden, N. J. Brick and concrete, details not decided. Plans in progress. Architects will take bids in about two weeks.

Church (alt. and add.), Collingswood, N. J. Architect, George L. Lovatt, 418 Walnut st., Philadelphia. Owners, St. John's R. C. Church, Collingswood, N. J. Stone and frame, 1 story, slate roof, steam heating, electric lighting. Architect has received bids.

School Building (add.), Audubon, N. J. Architect, John H. Mowere, 3110 Columbia avenue, Philadelphia. Owners, Board of Education, Geo. N. Hoffman, District Clerk, Audubon, N. J. Consists of an addition containing 2 toilet rooms, (plumbing, heating and fire escapes separate bids). Owners taking bids, due August 3d, at 3.30 P. M. Plans may be obtained from architect or owner.

Store Building, Atlantic City, N. J. Architect, private plans. Owner, George Kelly, care Richard Boyle, 1728 Atlantic avenue, Atlantic City, N. J. Brick and terra cotta, 3 stories, slag roof, steam heating, electric lighting. Plans completed. Owner ready for bids.

Theatre (alt. and add.), 1117-19 Broadway, Camden, N. J. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Garden Amusement Co., on premises. Consists of new front and interior alterations, metal lath, tile and marble work. Architects taking bids, due July 24th. Stacy Reeves & Sons, 2011 Market street, Philadelphia, are figuring.

Sunday School, Church street and Westfield Camden, N. J. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owners, Asbury M. E. Church, Rev. John R. Reid, Camden, N. J. Stone, 1 story, 50x75 feet, slate roof, steam heating, electric lighting. Architect taking bids, due July 28th. George Hogg, 1634 Sansom street, Philadelphia, is figuring, in addition to those previously reported.

Wagon Factory, Fifth street, above Market street, Camden, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, E. & R. Preisenzand, 15 Market street, Camden, N. J. Brick and reinforced concrete, 4 stories, 96x100 feet, slag roof, steel sash, fire doors, waterproofing, reinforcing bars, (elevators, steam heating, electric lighting, sprinklers reserved). Revised plans in progress.

Residence, Hamilton, N. J., \$7,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, I. Vine, Trenton, N. J. Brick, 2½ stories, 20x70 feet, slate and

tin roof, hot water heating, electric lighting, tile work, hardwood floors. Architects taking bids, due July 31st. The following are figuring: I. Harper Clayton, E. D. LaRue, D. Tietz & Son, William Ivins, Carl Poinsett, W. J. & J. H. Morris, Burton & Burton, all of Trenton, N. J.

High School (add.), Lambertville, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Board of Education, Lambertville, N. J. Brick, 2 stories, 30x35 feet, slate roof, metal lath (heating, plumbing and electric work separate bids). Owners taking bids, due August 2nd. The following are figuring: Burton & Burton, S. W. Mather & Son, W. J. & J. H. Morris, S. Levy, Scott & Day, C. Y. Barlow, and Fred Park, all of Trenton, N. J.

Church, Dunellen, N. J., \$30,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, St. John the Evangelist Church, Rev. Father Murphy, Dunellen, N. J. Brick and terra cotta, 1 story, 50x110 feet, slate roof, electric lighting, metal lath (heating reserved). Architect taking bids, due August 2nd. The following are figuring: Hall Bros., Somerville, N. J.; Philip Hicker, Somerville, N. J.; Appgar Construction Co., Dunellen, N. J.; M. Burns Construction Co., Elizabeth, N. J.; Conniff Bros., Plainfield, N. J.; D. L. O'Keefe, Plainfield, N. J.

Residence, Trenton, N. J., \$6,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, R. A. Phillips, Trenton, N. J. Hollow tile and stucco, 2½ stories, 28x36 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors. Architects taking bids, due July 31st. The following are figuring: Case & Sechnst, S. W. Mather & Son, Burton & Burton, W. H. Ivins, E. D. La Rue, all of Trenton, N. J.

Residence, Atlantic City, N. J., \$20,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City. Owner, William Riddle, City Hall, Atlantic City. Brick and hollow tile, 3 stories, 54x56 feet, asbestos shingle or slate roof, hot water heating, electric lighting, tile work, hardwood floors, damp-proofing. Plans in progress.

Residences (6), Logan avenue, Trenton, N. J., \$6,000. Architect, private plans. Owner, Richard Hutchinson, Trenton, N. J. Brick, 2 stories, 28x25 feet, tin roof, hot air heating, gas lighting. Owner will sub-let all contracts.

Bungalows (3), Logan avenue, Trenton, N. J., \$3,600. Architect, private plans. Owner, William H. Watson, Mercerville road, Trenton, N. J. Frame, 1½ stories, 14x31 feet, slate and tin roof, hot air heating, electric lighting. Owner will sub-let all contracts.

Cigar Factory (add.), Trenton, N. J., \$4,000. Architect, Robert A. Schumann, 902 Lambert street, Trenton. Owners, Prince Cigar Co., 5 High street, Trenton, N. J. Stone and brick, 2 stories, 30x47 feet, slag roof, steam heating, electric lighting. Contract awarded to Jas. D. Smith Sons Co., Trenton, N. J.

Brick and frame, 1 ½ stories, 14x30 feet, slate and tin roof, hot air heating, combination lighting. Contract awarded to George & W. H. Leese, Mercerville road, Trenton.

Miscellaneous Construction News

Residence, Centreville, Del., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Henry M. Canby, Equitable Building, Wilmington, Del. Stone, rough cast, 2½ stories, 54x33 feet, (2) wings, 26x38 feet each, single roof, hardwood floors, (plumbing, hot water heating, electric lighting reserved). Architect has received bids.

Church, Washington, D. C., \$50,000. Architects, Charles W. Bolton & Co., Witherspoon Building, Philadelphia. Owners, Congress Heights Baptist Church, Washington, D. C. Hollow tile and plaster, 1 story, 45x75 feet, slate roof, steam heating, electric lighting, tile work. Contract awarded to McKay & Morris, Washington, D. C.

Laboratory Building, Washington, D. C. Architects, Donn & Deming, 808 Seventeenth street, N. W., Washington, D. C. Owners, United States Bureau of Standards, Washington, D. C. Brick, granite, limestone, concrete, steel, fireproof, 2 stories, 182x66 feet, slag and tile roof, steam heating, electric lighting, metal doors and trimmings, waterproofing, reinforcing bars, elevator, metal weather strips, metal lath, tile and marble work. Owners taking bids, due August 2nd. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers 'stick' year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones. —Exchange.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

NEW JERSEY Contracts Awarded

Residence, Beatty street, Trenton, N. J., \$4,000. Architect, private plans. Owner, John Schmidt, Trenton, N. J. Brick, 2½ stories, 18x30 feet, slate and tin roof, hot water heating, combination lighting, tile and hardwood floors. Contract awarded to Paul Wolf, 630 Anderson street, Trenton, N. J.

Bungalows (3), Logan avenue, Trenton, N. J., \$51,000. Architect, private plans. Owner, W. H. Leese, Mercerville road, Trenton.

MARYLAND Construction News

Sewage Disposal Plant, Ocean City, Md. Engineers, Pugh & Hubbard, Witherspoon Building, Philadelphia. Owners, Ocean City, Md. Consists of pumping station and clarification tank, 75x32 feet, concrete, reinforcing bars, 3 pumps and motors and 3½ miles of branch sewers. Engineers have received bids.

Residence (remodeling), 3410 Anchentorly Terrace, Baltimore, Md., \$12,000. Architects, Owens & Sisco, Continental Building, Baltimore. Owner, John Widderburn, on premises. Consists of dance hall on second floor, swimming pool in basement and roof garden. Architects will take bids about August 4th.

School Building, Cold Spring lane, near York road, Baltimore. Architects, May & Smith, 1133 Calvert Building, Baltimore, Md. Owners, the Baltimore County Commissioners, Towson, Md. Brick, 12 rooms, slag roof, steam heating. Plans almost completed. Architects will be ready for bids about August 4th.

Apartment House, Lakeview drive and Brookfield avenue, Baltimore, Md. Architects, Smith & May, 1133 Calvert Building, Baltimore. Owner, Benj. & Lee S. Meyers, on premises. Fireproof construction, 68x112 feet, slag roof, hardwood floors, steam heating, electric lighting, vacuum cleaners. Plans in progress.

Residence, Roland avenue, near Roland Park, Md., \$12,000. Architect, Charles R. Burdette, 23 North Fulton avenue, Baltimore. Owners, J. R. and Lillian H. Rorsey, on premises. Brick, 2 stories, 15x45 feet, slag roof. Plans in progress.

Dwellings (9), Poplar Grove street, Baltimore, Md., \$20,000. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore, Md. Owners, the Globe Realty Co., 32 South street, Baltimore, Md. Brick, 2 stories, 14x50 feet, slag roof, steam heating. Plans in progress.

MARYLAND Contracts Awarded

Theatre, Baker street and Fulton avenue, Baltimore, Md., \$12,000. Architect, F. E. Torney, 813 Newington avenue, Baltimore. Owners, Lord Calvert Theatres, on premises. Fireproof construction, 36x142 feet, cement floors, electric lighting. Contract awarded to Mononnie & Sorrell, 1711 McCulloh street, Baltimore.

Sunday School (add. and alt.), Calhoun and Lombard streets, Baltimore. Architects, Hassell & Barnes, 301 North Charles street, Baltimore, Md. Owners, Union Square M. E.

Church, on premises. Brick and marble trimmings, 2 stories. Contract awarded to B. F. Bennett Building Co., 223 South Howard street, Baltimore.

Dwellings (9), 1902-12 North Gay street, Baltimore, Md., \$10,000. Architect, J. E. Laferty, 11 East Pleasant street, Baltimore. Owners, Fleishman Co., Baltimore, Md. Concrete foundations, brick, 2 stories, tin roofs, electric lighting. Contract awarded to R. B. Mason, 308 West Madison street, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

H. Izenberg (O), 2958 Aramingo street. Cost, \$13,000. Six stores and dwellings, brick, 2 stories, 14x26 feet, Salmon and Clementine streets.

Pennsylvania Warehousing Co. (O), 113 South Third street. Turner Concrete Steel Co. (C), 1713 Sansom street. Cost, \$60,000. Warehouse, brick and concrete, 8 stories, 59x119 feet, Pine street and Delaware avenue.

R. C. Hockesberger (O), 1120 Blight street. Cost, \$2,400. Dwelling, brick, 2 stories, 16x48 feet, Palmetto and Bleight street.

A. & C. Weishard (O), 3215 North Front street. H. Brocklehurst (C), 512 West Norris street. Cost, \$2,400. Brick and stone, 1 story, 19x20 feet, Front and Wishart streets.

George W. Shissler (O), 2300 South Eleventh street. Cost, \$1,500. Dwelling, brick, 2 stories, 22x12 feet, 2641 South Fairhill street.

Southwark Construction Co. (O), 360 Winton street. Cost, \$62,200. Twenty-eight stores and dwellings, brick, 2 stories, 18x40 feet, Jackson and Lee streets.

T. F. Gallagher (O), Fifty-fifth and Springfield avenue. Cost, \$62,000. Twenty-nine stores and dwellings, stone and brick, 2 stor-

ies, 15x30 feet, Fifty-fifth and Greenway avenue.

Carl Helmselag & F. J. O'Donell (O), 154 Sharpnack street. Cost, \$33,700. Seventeen dwellings, brick, 2 stories, 18x36 feet, Baynton and Rittenhouse streets.

E. S. & J. J. Gercke (O), 7101 Tulip street. Cost, \$1,200. Dwelling, brick, 2 stories, 14x24 feet, Princeton and Tulip streets.

Charles M. Lawser (O), 712 Cherry street. Barclay White Co. (C), Perry Building. Cost, \$27,000. Factory, brick, 3 stories, 50x90 feet, Seventh and Wood streets.

Dr. F. C. Emrey (O), Second street pike, Fox Chase, Pa. W. John Stevens (C), Wyncote, Pa. Cost, \$9,000. Dwelling, stone and frame, shingle roof, 3 stories, 34x32 feet, Borebeck and Hasbrook avenues.

Philadelphia Life Insurance Co. (O), North American Building. Doyle & Co. (C), 1519 Sansom street. Cost, \$70,000. Offices, stone and brick and terra cotta, 5 stories, 36x100 feet, 111-113 North Broad street.

Manayunk Yarn Co. (O), Main street and Walnut street. Friend Scargile (C), West Manayunk, Pa. Cost, \$4,000. Factory, brick

and stone, 2 stories, 45x97 feet, Schuykill River and Walnut lane.

Steward Bros. (O), 2528 North Orkney st. Cost, \$3,800. Stone dwelling, 2 stories, 24x31 feet, Gilham and Oakley streets.

George C. Hanna (O), 4840 Frankford avenue. J. Fotheringham (C), 3367 Frankford avenue. Cost, \$4,000. Two dwellings, brick, 2 stories, 16x40 feet, 4701 Large street.

Hamilton J. Farrell (O), 6505 Woodland avenue. Cost, \$53,200. Twenty-one dwellings. Stone and brick, 2 stories, 15x26 feet, Sixty-fourth and Greenway avenue.

Morris & Louis Shpeen (O), 7811 Bartram avenue. Cost, \$224,000. Seventy-four dwellings, brick, 2 stories, Front and Albans streets.

Lithuanian real Estate Co. (O), 943 South Second street. Alex. Chambley (C), 243 South Tenth street. Cost, \$35,000. Club house, Moyamensing and Montrose street.

Lasse Bros. (O), Fairhill and Somerset sts. Steward Bros. (C), 2528 North Orkney street. Cost, \$8,500. Garage and machine shop, Sixth and Somerset streets, brick, 2 stories, 36x136 feet.

John Fotheringham (O), 3367 Frankford avenue. Cost, \$6,000. Three dwellings, brick, 2 stories, 16x30 feet, 4716-20 Large street.

Morris L. Miller (O), Commonwealth Building. Cost, \$17,000. Eight stores and dwellings, brick, 2 stories, 14x24 feet, Twenty-ninth and Wishart streets.

William Linker (O), Heed Building. Cost, \$100,000. Manufacturing Building, brick and concrete, 8 stories, 36x144 feet, 831-35 Cherry street.

Joseph Wilde (O), 1724 North Franklin street. Philip Doerle (C), 609 East Moyer street. Cost, \$3,500. Store and dwelling, 8829 North Second street.

Singer & Sheen (O), 7311 Bartram avenue. Cost, \$8,000. Three stores and dwellings, brick, 2 stories, 15x50 feet, Fifth and Shunk streets.

P. L. Davis (O), Thirteenth and Nedro sts. Cost, \$2,000. Dwelling, brick, 2 stories, 16x38 feet, Marvine street and Nedro avenue.

Olson Rowland (O), 4332 Pechin street. Cost, \$3,400. Dwelling, brick and stone, 3 stories, 16x44 feet, Manayunk avenue and Cotton street.

Nathan Kurland (O), Seventh and Bainbridge streets. Harry Neiman (C), 2444 South Eighth street. Cost, \$5,350. Two stores and dwellings, brick, 3 stories, 16x26 feet, 710-12 Bainbridge street.

W. Percival Johnson (O), 4039 Lancaster avenue. Cost, \$90,000. Sixteen dwellings, stone and brick, 3 stories, 24x36 feet and 23x34 feet, Wynnewood avenue and Jefferson street.

Charles M. Ferguson (O), 5147 Parrish street. Cost, \$41,100. Seventeen dwellings, stone and brick, 2 stories, 15x32 feet, Fifty-ninth and Jefferson streets.

Nicola Di Gregoria (O), 940 South Tenth street. Cost, \$1,800. Dwelling, brick, 2 stories, 16x26 feet, 812 Mountain street.

Alterations and Additions

Henry Fricke (O), 1233 South street. J. D. Fisher (O), 5718 Market street. Cost, \$1,150. Store and dwelling, 300 North Sixty-first street.

James Bromley (O), Adams and Leiper streets. George H. Thirk (C), 2739 Jasper street. Cost, \$1,000. Boiler house, Adams and Leiper streets.

H. Stern (O), 837 North Fourth street. M. Zussman (C), 991 North Marshall street. Cost, \$800. Store, 837 North Fourth street.

Nixon Paper Co. (O), Nixon and Parker avenue. Brown Construction Company (C),

(Continued on page 486.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States . . . \$5.00 a year
To all points in Canada . . . \$5.50 a year
To all points in Europe . . . \$5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY
Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., JULY 28, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. *D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

The "London Builder" printed in a recent issue what were reputed to be certain quaint extracts from a musty volume of the eighteenth century on the duties of the architect. Paraphrasing the idea of the five orders of architecture, this "ancient" writer proceeds to describe the droll conceit of five orders of architects. Members of the profession will find much in the odd humor with which the writer elaborates on these that is applicable to the present day—so applicable, indeed, that one is moved to wonder whether this skit in the "London Builder" was not cast in the stilted style of the early part of the eighteenth century merely to mislead and is really the work of one of the wicked wits of the present days.

"As there be five Orders of Architecture," runs this ancient chronicle, "namely, the Tuscan, Dorick, Ionic, Corinthian, and Composite, of which all elegant structures be composed or ornamented—so likewise are there five orders or different kinds of architects, each differing from one another, yet all of them are paid or recompensed in like manner by those requiring their services, and the payment is at the rate of £5 per centum on the moneys expended on the erection of the structures devised by the architects.

* * *

"And the First Order of Architects is that called the Art Architect, who hath much conceit of his calling. He is oft-times dressed in curious fashion in a coat of velvet, and weareth a beauteous tie and a soft hat. His hair falleth over his forehead in curls and quaintly toucheth his collar. Those who employ him fear him, for he who crosseth his fancy he treateth as a felon or else sheddeth salt and bitter tears. His devices for buildings are oft-times exceeding quaint, and at times inconvenient to those who occupy the dwellings he deviseth. Yet is there thought and meaning abundant in all. He deviseth hearts upon doors and chimney corners, the fires whereof oft-times smoke, yet their appearance is exceeding quaint and primitive. He quarrelleth with the decrees of the local surveyor, as no such one existed in the time of the Heptarchy. The latches upon his doors one pulleth with a bootlace, and he thinketh of a pigeon-cot and sundial even in the forecourt of a city office. Thy garden space he filleth with clipped yews and lily ponds, and the pegs for thy washing will he design to teach thy maidservant culture.

"Now, the Second Order of Architects is that called Practical, and none would know them from stockbrokers by outward seeming. Unlike the architect of the first order, he of the second order buyeth thy chimney pieces ready-made and knoweth where thy wife wantyth the draining-board of a sink that her maid may place unwashed crockery thereon without hurt. He falleth in readily with thy wishes, saying this is the whole duty of

one of his calling. Yet mayhap thou wilt discover the dwellings he deviseth are exceeding commonplace and like to those raised by the builder without aid, and thou mayest find him more practical in word than in deed.

"The Third Order of Architects is the Competitive Architect, and the manner of his working is altogether different from that of the architect of the first and second order. For whereas these are chiefly concerned with the devising of dwellings, the Competitive Architect's brain is even like unto a seething caldron of mighty thoughts. He draweth out schemes for public buildings which are not straightway given unto him, but only if they have been matched against many others and adjudged better than they are. He burneth the midnight lamp, and sweat rolls down his forehead even on to the paper whereon he worketh. He is balanced in the scales of hope and of fear, and his excitements are many. For, as Holy Writ hath it, many are called but few chosen, and oft-times the architect of the third order cannot discharge the reckoning of his washerwoman. Yet fitheth he his eyes on the stars and his mind is filled with great thought. When he succeeds he oft-times watcheth princes lay the corner-stone of his buildings while many applaud, and his name waxeth great in the land.

* * *

"Now, the Fourth Order of Architects men call Speculative and very different is their method. For the first three orders have no thought of the wherewithal from which payment must come, but wait in their chambers for the knock of the client. But those of the fourth order see a fair piece of land and show those who desire money how by building therein they can make more. Yea, balance sheets are the weapons wherewith they fight, and they will even tell one where money can be had at interest if more can be made by borrowing thereof. As other men, some among them are good and others bad, who lead the unwary into pitfalls and grow fat with the five per centum on what has been expended. Yet the fourth order has its uses, nor may man condemn them without judgment.

"The Fifth Order of Architects is that called Official, and hath this difference from all others. For whereas the four orders we have mentioned live even upon five per centum or starve because it is lacking, the Official order is payed even by salary by public bodies who employ them continuously. So care sitteth not beside them, but neither does the hope of great rewards brighten their years. And have they the bitterness spoken of in Holy Writ of serving masters manifold, who are appointed not because of their knowledge of Art, but simply by the pleasure of the ratepayer. And they get them grey hairs and troubles attending many committee meetings, nor are those who serve many gratefully treated. And, as among the other orders, some

are cunning and fashion great devices, while others have not the skill of the artist.

"And the aforesaid we have mentioned are the five Orders of Architects who use the five Orders of Architecture that the children of man may have habitations, for, since mankind must increase and multiply, so must they have buildings that their bodies be not destroyed by the rigour of the elements."

* * *

The "Builder" gives this in apparent good faith as an extract from an early eighteenth century skit, but, as we have remarked in introducing it, there is a savor of modernity about the five orders that smacks of the wit of a more recent era. As a bit of delicious drollery "The Guide" regards the five orders as worthy of reprinting.

* * *

Mr. A. L. H. Street calls attention in the pages of the current number of "Building Age" to a decision rendered by the New York Supreme Court, in which it is held that the presence on the job of an architect, even though that architect can be shown to have been aware of the class of workmanship and materials used, is not a perfect defense to the charge of defective performance of a contract. The case, one of the most interesting ever submitted for judicial review, is stated by Mr. Street as follows:

In a recent suit against a firm of builders for damages claimed for defective performance of a contract for the erection of a factory building, the Appellate Division of the New York Supreme Court decided that it was no defense that the work was done under the supervision of the owner's architect, who was present and knew the class of workmanship that was being used, and that he approved of it. The important parts of the opinion of the Appellate Division read as follows:

"The contract, with the plans and specifications made a part thereof, entered into detail for the construction of a modern manufacturing plant with heavy walls and concrete floors supported by steel girders, and it is not disputed in this action that the building which was constructed under these plans and specifications was a failure, that it began showing signs of weakness almost immediately, and that in less than two months it became necessary to reinforce the building in many particulars in order to make it safe to occupy, and these repairs cost plaintiff approximately the sum of \$15,000, for which sum the court has awarded damages against the contractors, who appeal from the judgment.

"The complaint alleged that the workmanship was not up to the standard required by the contract, and that the cement used in the laying of the brick walls did not meet the specifications, and the defendants urge that the bricks specified by the contract were not of the quality which should have been used; that the architect, under whose supervision the work was to be done, was present and knew of the class of workmanship being put in, and that the mortar used was likewise impliedly or expressly sanctioned by the architect; and that if the building thus con-

structed under the supervision of the architect was not what was required by the plaintiff the fault was in the plans as construed and approved by the architect.

"The learned trial court has considered all of these contentions, and has delivered an opinion in the case which we believe fully disposes of them, and finds the plaintiff has been damaged in the sum of \$15,000. We are of the opinion that under the authorities controlling in this State the judgment is entirely right. There can be no question that the workmanship is not up to the requirements of the contract. It shows evidence of such bad faith, and reckless disregard of the requirements of such a building in which human beings are called upon to earn their daily bread, that considerations of public policy would demand that the defendants should not be permitted to sustain the defenses urged, even though the architect was empowered to waive the conditions of the written contract; for no one could successfully maintain that work of the character shown in this building could have been furnished in good faith. Piers designed to sustain weights ranging from 13 to 23 tons to the square foot were so constructed that the load must have fallen on a mere fraction of the apparent surface of the pier, and, judging from the photographs in evidence, no one connected with the work could have escaped responsibility for criminal negligence had the building fallen before the repairs were made."

* * *

This is the first case on record, of which "The Guide" has knowledge, in which it has been legally established that the presence of an architect does not lessen, in any material degree, the responsibility adhering to the builder under the terms of his contract. As a general custom it has been held that departures made from the letter of a contract if made with the sanction of the architect, were endowed with the same binding force as the terms of the contract itself. The decision is an interesting one in its bearing upon the relation of architects, builders and building owners.

* * *

"The definition of porosity with respect to building bricks," observes "Building Age," "has recently been the subject of some discussion if the law courts of Germany and their decision in the matter is of wide interest. In regard to the matter a correspondent of the London 'Building World' offers the following comments:

"With the exception of engineering bricks, all ordinary building bricks are somewhat porous; that is to say, they will all absorb water, though the amount so retained in the pores varies greatly with different bricks.

"In the south of England the average amount of water absorbed by bricks during complete immersion is about 12 per cent. of the weight of the brick. North of the Trent and in Wales somewhat denser bricks are usual, and the average water absorption is seldom over 8 per cent. of the weight of the brick.

"Bricks made by the semi-dry process—

that is, by compressing the clay in the form of a damp dust, absorb only about 5 per cent. of water, though they vary greatly in this respect. Engineering bricks absorb less than 1 per cent. of their weight of water. For all ordinary purposes, therefore, it is not desirable to designate bricks which absorb less than 15 per cent. of their weight of water, on immersion, as particularly porous.

"During the past few years the use of hollow blocks and hollow bricks has extended rapidly. These are much lighter than solid bricks and affect an important saving in railway carriage, but they must be distinguished from porous bricks. The weight alone is not a sufficient guide, as hollow bricks are now made which are indistinguishable in appearance from solid bricks. When cut or broken their hollowness is easily seen. On the Continent, porous bricks are defined as having a weight which is notably less than common bricks, but this definition will have to be abandoned now that hollow bricks are made in large numbers.

"The large, hollow blocks used in fire-proof floors, etc., are usually made of a highly porous material. This not only reduces the cost of carriage and the weight of material in the structure, but it facilitates the manufacture of blocks accurate in shape and free from twists.

"A simple test for porosity consists in holding the tongue lightly in contact with a brick. If a distinct suction is felt the brick will be very porous; if no appreciable suction is apparent, but the moisture rapidly dries from the surface, the brick is but slightly porous. Engineering and non-porous bricks will not absorb water, even if pured on to them.

"A much better test consists in weighing a dry brick, immersing it in water for twenty-four hours, wiping it dry with a few rapid strokes of a clean cloth, and then re-weighing it. The weight of water absorbed will indicate the porosity. It is true that the water may not penetrate all the pores, but the test is sufficiently accurate for most purposes.

"The bricks used in architecture should be moderately porous, as, otherwise, water condenses from the air, and the resultant water collects in drops on the inside of the walls, spoiling the wall paper and giving the impression that the building is damp. If the pores are sufficiently minute the bricks may be as highly porous as possible. The more porous they are the better will the walls 'breathe.' Bricks with large, coarse pores should be avoided, as they admit rain water too easily, and walls in which they are used often remain permanently damp."

* * *

As an expression of the value of porosity in brick, its limitations and drawbacks, this is a timely contribution to current building literature.

* * *

Under a law which took effect in Utah March 19, 1915, when a building contract involves \$500 or more the owner must exact of the contractor a bond in an amount equal to the contract price, binding the builder to

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



faithful performance and to prompt payment of labor and material claims. Material men, sub-contractors and mechanics are entitled to inspect the bond, to ascertain the security afforded them. Anyone furnishing labor or material to the contractor has a right of action on the bond forty days after completion of the work or forty days after any default on the part of the principal contractor. The owner's failure to take the bond required by the act subjects him to liability for all amounts due from the contractor to material men, sub-contractors and laborers.

The last section of the law provides, however, that the liability of sureties on such bonds shall be limited to the reasonable value of materials and labor furnished, less payments made on account thereof, not exceeding the amounts for which it was agreed such materials and labor would be furnished.

ALTERATIONS AND ADDITIONS.

(Continued from page 483.)

4600 Main street. Cost, \$700. Paper mill, Nixon and Fountain streets.

Charles Devlin (O), Kensington and Hilton streets. Carter Paving Co. (C), 641 North Eighteenth street. Cost, \$5,016. Storage, Kensington and Hilton streets.

Weightman Estate (O), 1524 Chestnut st. James S. Talley (C), 1931 Market street. Cost, \$60,000. Office building and store, Juniper and Chestnut streets.

Louis I. Heim (O), 55 North Fifty-second street. Cost, \$3,950. Dwelling, 55 North Fifty-second street.

Solomon Frank (O), 3227 West Berks street. Benjamin Copperman (C), 938 South Third street. Cost, \$1,200. Store and dwelling, 108 Pine street.

H. W. Lovelidge (O), 17 West Rittenhouse street. Cost, \$2,500. Garage, 17 West Rittenhouse street. George C. Fossil (C), 128 East Chelton avenue.

Emma C. Bergdoll (O), Fifty-second and

Wynnefield avenue. E. Rieben (C), 2632 West Cumberland street. Cost, \$1,700. Dwelling, Glenwood avenue and Cumberland street.

P. Ferrison (O), 116 South street. J. Gorchoy (C). Cost, \$3,350. Store and dwelling, 116 South street.

Board of Education (O), 2242 Land Title Building. E. C. Durell (C), 1713 North Twenty-fourth street. Cost, \$400. School, Thirty-second and Norris streets. Cost, \$6,400. Orianna and Callowhill streets.

A. G. Tromwith (O), Mascher and York avenue. John E. Malt (C), 204 East Willow Grove avenue. Cost, \$1,500. Rounford and Crittenden streets.

Silam M. E. Church (O), Susquehanna avenue and Belgrade street. Thomas C. Trafford (C), 1613 Sansom street. Cost, \$2,500. Church, Susquehanna avenue and Belgrade street.

Chestnut Hill Hospital (O), Germantown avenue and Chestnut avenue. William J. Grubler (C), 219 East High street. Cost, \$2,500. Hospital, Germantown avenue and Chestnut avenue.

L. Levy (O), v519 North Twenty-second street. Central Cabinet Manufacturing Co. (C), 529 North Ninth street. Cost, \$2,800. Dwelling, 3519 North Twenty-second street.

Dr. George P. Katzenstein (O), 1915 North Broad street. E. J. Kreitzburg (C), 1345 Arch street. Cost, \$650. Garage, 1915 North Broad street.

Jefferson Hospital (O), Tenth and Sansom streets. S. E. Waters (C), 2218 Ranstead street. Cost, \$1,200. Hospital, Tenth and Sansom streets.

William W. Speakman (O), 1825 Chestnut street. Doyle & Co. (C), 1519 Sansom street. Cost, \$2,500. Offices and apartments, 1823 Chestnut street.

W. J. Strange (O), 2430 Kensington avenue. John A. Codori (C), 1235 Arch street. Cost, \$2,000. Moving picture theatre, 2424 Kensington avenue.

Joseph Bell (O), 953 North Hancock street. Cost, \$800. Store and dwelling, 400 West Queen street.

Louis Feingold (O), 703 Dickinson street. Barkan Bros. (C), 514 Dickinson street. Cost, \$1,200. Stores and dwellings, 1518-22 South Beulah street.

F. E. Clement (O), Fishers lane and P. R. R. Cost, \$950. Residences and garage, K street and Wyoming avenue.

J. Currey (O), 2207 Bridge street. J. Fotheringham (C), 3367 Frankford avenue. Cost, \$600. Dwelling, 2207 Bridge street.

J. V. Mawrey Co. (O), 1614 Ridge avenue. R. J. Whiteside (C), 2115 Wallace street.

Cost, \$1,200. Manufacturing Building, 1614 Ridge avenue.

Mary Potts (O), 535 Horter street. William C. Wright (C), 22 Harvey street. Cost, \$2,400. Dwelling, 535 West Horter street.

Charles Wagner (O), 1404 North Marvne street. Mullin & Nolan (C), 728 Oxford street. Cost, \$1,100. Residence, 1404 North Marvne street.

Rodeph Shallow School (O), Broad and Jefferson streets. Thomas M. Seeds, Jr. (C), 1207 Race street. Cost, \$770. School, Broad and Jefferson streets.

Chris. Weinberg (O), 223 South Moyamensing avenue. J. Ostroff (C), 324 West Moyamensing avenue. Cost, \$1,025. Dwelling, 853 North Sixth street.

Board of Education (O), Land Title Building. Standard Construction Co. (C), 822 Drexel Building. Cost, \$5,500. School, Thirty-fourth and Wharton streets.

George L. Carman (O), 2201 Hunting Park avenue. Stocker & Hastings (C), 1320 North Carlisle street. Cost, \$3,600. Dwelling and store, Schuyler and Hunting Park avenue.

J. Bracken (O), Twenty-sixth and Wharton streets. J. E. Brown Heating Co. (C), Builders' Exchange. Cost, \$600. Store and dwelling, Twenty-sixth and Wharton streets.

S. Muscin (O), 725 North Twelfth street. J. E. Brown Heating Co. (C), Builders' Exchange. Cost, \$600. Dwelling, 925 North Twelfth street.

W. S. Pilling (O), 229 West Upsal street. Stokes Bros. (C), 6723 Musgrave street. Cost, \$2,000. Green house, 229 West Upsal street.

C. P. Piel (O), Overbrook, Pa. M. W. Young (C), Overbrook, Pa. Cost, \$3,000. Garage, Sixty-second and Woodbine avenue.

Henry A. Miller (O), Chew and Washington lane. Cost, \$750. Green house, Chew street and Washington lane.

H. Weinrich (O), 528 Market street. H. Reusswick (C), 137 North Tenth street. Cost, \$2,000. Hall and garage, Seventeenth and Fountain streets.

A. Koch (O), 525 Porter street. M. Kuffman (C), 827 Watkins street. Cost, \$1,055. Store and dwelling, 1817 South Fifth street.

William Steward (O), 2030 South Sixteenth street. Charles G. Seidel (C), 2524 South Juniper street. Cost, \$700. Garage and storage, 2032-36 South Sixteenth street.

Francis F. Fitzgerald (O), 5847 Lansdowne avenue. Cost, \$2,500. Office and garage, 1525-27 North Sixtieth street.

Board of Education (O), Land Title Building. William Mundy (C), 211 South Ninth street. Cost, \$1,750. School, Broad and Green streets.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**Los Angeles, Cal., recently devoted a week to the entertainment of the National Real Estate Association. Nothing in the experience of those who have attended the national realty conventions in the past compared with the novel pleasures which the delegates enjoyed there. There was a constant round of garden parties, balls, banquets, receptions, special opera house entertainments, pageants, luncheons and excursions. The delegates were charmed with the beauty and

gracious hospitality of the city and the surrounding country. Everything was new to them. Many stayed on into the following week and attended special real estate services in the churches on Sunday and a celebration of Real Estate Day on Monday at the Exposition. At last accounts most of them were still touring in the State. The "Los Angeles Examiner" printed special illustrated reports.

The convention opened in Trinity Auditor-

ium on Monday, June 21, and adjourned on Thursday afternoon. Enthusiasm for everything Californian characterized the proceedings. Ninety-one cities were represented. President Thomas Shallcross was in the chair. The Episcopal Bishop, the Mayor, the State Senator and the President of the Los Angeles Realty Board extended greetings.

The following officers were elected: President, Walter C. Piper, of Detroit; Secretary, H. R. Ennis, of Kansas City; Treasurer, Moorehead Wright, of Little Rock; Vice-Presidents, Telfair Stockton, of Jacksonville, Fla.; James S. Draper, of Boston; H. W. Schinbine, of Winnipeg; W. M. Garland, of Los Angeles; Robert B. Wallace, of Council Bluffs, Iowa; J. M. Dean, of Memphis; George H. Taylor, of Chicago; W. H. Dyer, of Cincinnati; Lee J. Ninde, of Fort Wayne, Ind.; E. E. Rogers, of Milwaukee. The place for the 1916 convention will be chosen by the Executive Committee at some future meeting.

"Many a building syndicate limits itself to a small return on the investment by unnecessary extravagance in selecting a site, says the 'New York Record and Guide,' and drawing the building plans. Many a side street site which has been passed over for a prominent avenue frontage has afterward been so improved as to produce a larger return than the expensive avenue site ever will in proportion. Many a commercial firm in this town has crippled itself by building too big. High costs make high rents, and high rents cause vacancies in business buildings in dull times. Where there has been a waste of material in the construction, a waste of money in obtaining a site, and too many commissions paid for maintenance supplies the building will not yield the ten per cent. which it ought in competition with buildings less comfortable and well equipped, but which cost a great deal less money, are economically run and rent for less money.

"The record of building operations, according to the revised figures of the Building Superintendents of the five boroughs of Greater New York, from January 1, 1915, up to and including June 30, closed with \$86,027,961 to be expended, as compared with \$71,379,408 for the corresponding six months of 1914, an increase in the amount of \$14,648,553. The number of building projects filed during the same period of 1915 was 6,073 as compared with 5,838 for the same six months of 1914, showing that there was an increase of 235 buildings.

In Manhattan the increased specified cost over last year was \$13,361,780, but the total number of buildings scheduled during this period was 258, as compared with 259 in 1914. There was an increase in tenement house construction, stores, offices and lofts costing over \$30,000, and stores and lofts costing less than \$15,000, office buildings, churches, hospitals, stables and garages, but this increase was offset by a decrease in manufactories and workshops, public buildings (places of amusement), and other miscellaneous structures.

The Borough of Brooklyn shows an increase of 103 more buildings to be erected at a decreased cost of \$3,496,225 in the amount to be expended. The gain is due to a larger number of tenement houses costing less than \$20,000, stores under \$15,000, stores and two-family structures, churches, stable and brick sundries.

In The Bronx, there was an increase of 100 buildings, costing \$5,894,353 more than during last year, showing that there is a larger number of brick tenements to be constructed, totaling 303 in number, costing \$13,590,500, as compared to 163 tenements to cost \$7,438,000 for the corresponding six months of 1914. There is also an increase in structures such as public buildings (municipal) and stables and garages, while there is a falling off in stores, offices and lofts, and not as many brick dwellings.

In Richmond there is also a substantial increase over last year by 28 more projects in the amount to cost \$257,970, chiefly due to the growing demand for dwellings, as well as a large number of alteration projects.

The Borough of Queens shows an increase of five buildings, but \$1,369,331 less in the amount to be expended.

"S. H. Pomeroy Company, Inc., calls attention to the fact that it is equipped by experience and resources to manufacture fire windows that positively will close under heat. The type of self-closing window made by this firm has been approved by the Department of Labor, the National Board of Fire Underwriters' Building Department and all other bodies having jurisdiction in the safety of inmates of buildings. The company is the successor of Voigtman & Co., of New York, and has its office and factory at 282-296 East 134th street, telephone 6104 Melrose. L. J. Rice, speaking of the equipment of the company as applied to the manufacture of high-grade self-closing windows, said: 'At the present time where estimates are being taken on a project including fire windows requiring automatic closing equipment, the several bidders would have as many devices as there were concerns bidding, which might be of doubtful efficiency in emergency. Consider, on the other hand, a window that has actually been in emergency fire tests and one backed by the experience of many years' standing. These are questions the owner should primarily consider.'

"The National Slag Company has moved its offices from 30 Church street, Manhattan, to the Kinney Building, Broad and Market streets, Newark, N. J.

"The Buckingham Steel Company, Inc., has moved its sales and estimating departments from 25 West Forty-second street, Manhattan, to its general offices at 5610 Second avenue, Brooklyn.

"Sacket & Park, architects, 34 Syracuse Savings Bank Building, Syracuse, N. Y., desire information at once on the following items: Reinforced concrete piling, roofing material for roof which is non-conductor of heat, floor hardening compounds, fireproof

factory stairs, fireproof freight and passenger elevator doors and automatic actions for same, steel factory sash for side walls and saw tooth construction and wire glass for same, freight receiving door of lift, up swing folding type, factory plumbing fixtures, sprinkler systems, light systems, and blast heating devices.

"The Regents of the State University of New York have not yet appointed the members of the Board of Examiners for Architects as required by the new law. They had ninety days in which to make the appointments. The Board of Examiners when appointed will make rules and regulations for the registration of practicing architects.

"The National Metal Molding Company, manufacturers of electrical conduits and fittings, Pittsburgh, with offices in various cities, have recently opened offices at 801-903 Electric Building, Buffalo, N. Y., from which to handle an increasing business in Western New York and Canada. This office will be under the charge of L. S. Montgomery, who has represented the company in the South and other sections for a number of years and is especially well known in the electrical trade.

"The International Association of Municipal Electricians will hold its annual convention at Cincinnati, Ohio, August 24 to 27. Headquarters will be at the Gibson Hotel. Secretary, Clarence R. George, Houston, Tex.

"The New York Electrical Show will be held at the Grand Central Palace October 16, 1915. Arthur Williams, President.

"The American Society of Sanitary Engineers will hold its annual convention at San Francisco, Cal., August 9-11.

"The National Housing Association, fourth conference at Minneapolis, October 6 to 8. John Ihlder, of 105 East Twenty-second street, New York, is Field Secretary.

"The Bronx Chamber of Commerce will hold its regular meetings in the Woolworth Building, Bergen avenue and 149th street, on the fourth Saturday of each month.

"The Pan-American Road Congress, under the joint auspices of the American Road Builders' Association and the American Highway Association, will be held at Oakland, Cal., during the week of September 13. It is expected that this congress will bring together those interested in highway improvement not only from all parts of the United States and Canada, but also from the South American countries, all of which will be officially invited to participate.

"The National District Heating Association, at its recent convention and annual meeting in Chicago, elected the following officers: David S. Boyden, Boston, Mass., President; Byron T. Gifford, Grand Rapids, Mich., First Vice-President; George W. Martin, New York, Second Vice-President; William S. Monroe, Chicago, Ill., Third Vice-President; D. L. Gaskill, Greenville, Ohio, Secretary-Treasurer. C. F. Oehlman, Denver, Col., and Thomas Donahue, Lafayette, Ind., were elected members of the Executive Committee.

"Friends of the Young Artists, an organ-

ization which has held two successful competitions already, one for young sculptors and the other for young painters, announced recently a third competition, which will be for young architects. Of this Thomas Hastings will be in charge. He will select the theme, which will be announced on July 31. As in the other competitions, thirteen prizes will be awarded, the first of \$200, the second \$150, and the third \$100, and ten prizes of \$25 each. Four weeks will be given for the development of the work, and the exhibition will be opened to the public on September 15, to continue for one month. Mr. Hastings will select a jury of twenty-five prominent architects, and will preside over it. It is Mr. Hastings' opinion that there are many young architects out of work, and that while the leading schools and universities are closed for the vacation, many students might avail themselves of a chance to compete. In a recent conference with the men associated with him and who studied at the Beaux Arts, the consensus of opinion was that a subject should be named for the competition which should be at the same time educational and purchasable.

****The U. S. Expansion Bolt Company, of New York, has opened a branch office at 42 North Seventh street, Philadelphia, Pa.**

****John F. Hale has resigned the position formerly held by him with the Warren-Webster Company, of Camden, N. J., and has become associated with the Consolidated Engineering Company, of Chicago.**

****Clifford L. Kent, formerly connected with the New York office of the Kennedy Valve Company, has become associated with the metropolitan organization of the Beaton & Cadwell Manufacturing Company, New Britain, Conn.**

****Isaac D. Russell, for many years prominently identified with the Russell & Erwin Manufacturing Company, New Britain, Conn., one of the divisions of the American Hardware Corporation, was recently advanced to the position of Treasurer of the American Hardware Corporation, to succeed the late Charles E. Wetmore.**

****The National Retail Hardware Association, at its recent annual meeting and convention, elected the following officers: D. Fletcher, Barber, Boston, Mass., President; Charles T. Woodward, Carlinville, Ill., First Vice-President; J. R. Gamble; Wetumpka, Ala., Second Vice-President; G. A. Pauly, St. Louis, Mo., Treasurer, and M. L. Corey, Argos, Ind., Secretary.**

****The New York Electrical Society at its recent annual meeting elected the following officers: Elmer A. Sperry, President; George W. Elliott, First Vice-President; S. N. Castle, Second Vice-President; Bernhard Hoffman, Third Vice-President; Thomas F. Honahan, Treasurer, and George H. Guy, Secretary.**

****The Woolworth Building, Broadway, New York, has been awarded the gold medal at the Panama-Pacific Exposition as the best example of present-day architecture. Cass Gilbert, 11 East Twenty-fourth street, New York, designer of this structure, was also**

awarded a gold medal. The award was made on a model of the building which was sent to San Francisco several months ago. This model is thirty feet in height and is on exhibition in the New York State Building.

****The Monitor Bi-Loop Radiator Company, Lancaster, Pa., has purchased the business of the Monitor Steam Generator Manufacturing Company, of Lancaster. It will continue the manufacture of the Monitor steam coil boilers and Monitor bi-loop radiators at its new plant in Lancaster.**

****A novel exhibit at the Panama-Pacific International Exposition is the "Home Electrical" in the Palace of Manufacturers. This is a full-sized model home in which electricity is made to perform the domestic tasks and labors. Electricity cooks, washes, launders, sweeps, dusts and fulfills countless other household duties, and it also heats, lights and cools the house. This is one of the exhibits of the General Electric Company. The home is in no sense an exhibition to demonstrate the radical things that may be done with electricity in a house, all of the electrical devices shown being suitable for the average family.**

****Announcement is made of an organization of Belgian business men in England to introduce in Belgium, as soon as the European war is over, American products and manufactures and, also, to employ as agents, representatives, etc., a large number of Belgian manufacturers and business men who have been partly ruined but who still possess enough capital and can give the necessary guarantees as agents, dealers, etc. The organization is being developed by Willy Lamont, of Antwerp, Belgium, whose temporary address is Shardhighs, Halstead (Essex), England.**

ORGANIZATION OF BUILDING DATA LEAGUE.

One of the most unique organizations of its kind is the recently organized Building Data League, Inc., an outgrowth of the Architects' Bureau of Technical Service. Its membership is made up of consumers, organized to secure through co-operation exact and reliable information as to the quality and relative economic values of the vast number of materials and devices used in the construction and equipment of buildings. The league's purpose is to establish market standards in the building industry, so that the consumer may readily secure accurate information and a working knowledge of available materials, methods and devices. On the other hand, the league will direct the attention of the producer to the demands of the consuming class with a view of securing high standards and methods in the manufacturing and marketing of products. The league is a New York corporation, with headquarters at 105 West Fortieth street, New York.

One of the important functions of the league is to conduct investigations and examinations, where necessary, of given products and to give them a market rating. As a rule, how-

ever, the league will accept such standards of quality as are established by recognized authorities.

The investigations mentioned and the establishment of standards will be in the hands of technical committees appointed by the league. In this connection the league will prepare for the use of its members standard specifications which will accurately define quality, making distinctions between the several established grades. The idea is to supplement the work being done by the United States Bureau of Standards, the American Society for Testing Materials and similar bodies.

The league's investigations will comprise the following important considerations from which ratings are to be determined:

1. Performance of the product under service test.
2. Production, including raw materials, shop practice, plant efficiency, capacity, organization and deliveries.
3. Market, including demand, adaptability, cost, difficulty incident to installation and service efficiency.
4. Sales, including character and reliability of advertising matter and claims, selling tactics, the producer's attitude toward the market, organization and financial responsibility.

The producer is expected to meet the expense of the investigation. The league also plans to publish a monthly bulletin and ultimately to establish technical libraries for the use of its members.

Among the technical committees for the first year are those on mechanical devices and equipment, sanitary equipment, insulation, building codes and structural methods. Upon the assumption that the members of the league will not be able or willing to devote the time and labor necessary for the conduct of adequate investigations and for the preparation of standard specifications and reports, an agreement is made with the Building Data Company, Inc., an organization formed especially for the purpose of rendering technical service to the league.

Membership in the Building Data League is open to any individual or any person as a representative of a firm, corporation, or association, which is a non-producer of materials, devices, methods or apparatus entering into the construction or equipment of buildings, or the improvement of real property. The dues are placed at \$9.00 and the subscription to the league's bulletin at \$1.00. There is no initiation fee.

In the present organization of the league the chairman is Lansing C. Holden, F. A. I. A.; first vice-chairman, Charles L. Borie, Jr., A. I. A.; second vice-chairman, James S. Macgregor; secretary, Sullivan W. Jones, A. I. A., and treasurer, Frank Sutton, M. Am. Soc. M. E.

The affairs of the league are managed by a board of twenty-five governors, made up of engineers and architects.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.).

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Aolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.,
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Abram Cox Stove Co.,

American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,

American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori. g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Howard Ketcham, 3rd & Girard ave., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfs Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carrick, 2016 Ranstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Star Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfs Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo,"

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility," Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co., Real Estate Trust Bldg., Phila.
Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

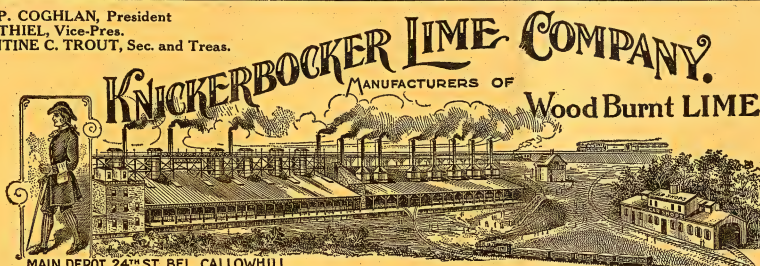
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEE'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.



We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 31.

PHILADELPHIA, WEDNESDAY, AUGUST 4, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

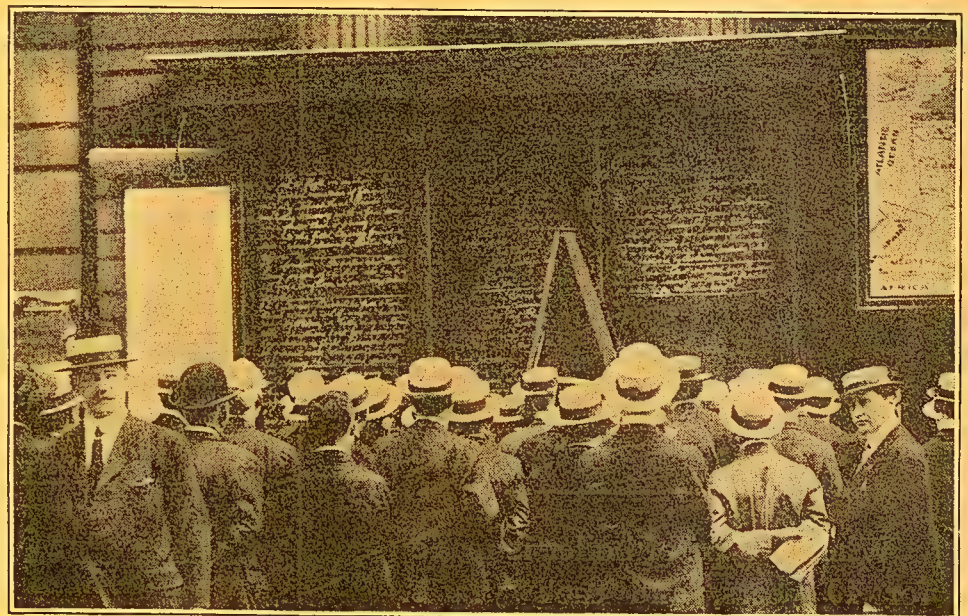
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street ∴ Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

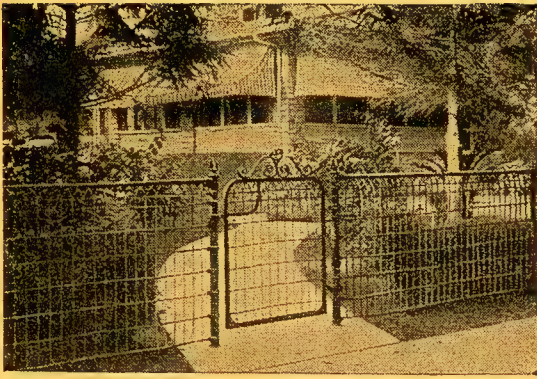
THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

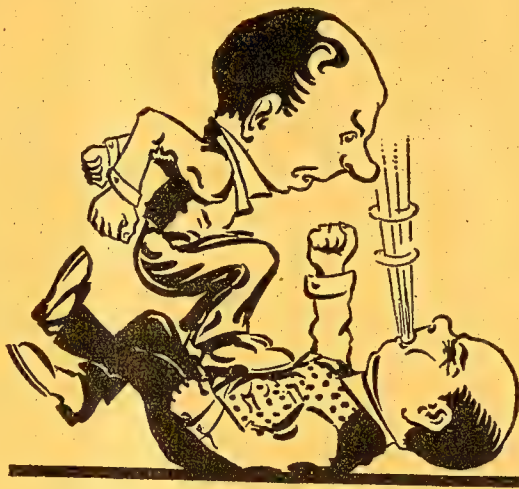
ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

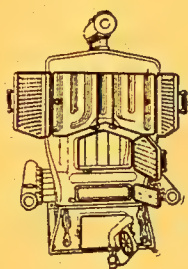
Contractor's Equipment

NEW AND SECOND HAND

Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA, PA.

MILLS



"Satisfaction"

When a type of boiler is made
for 40 years, and each year's
sales increase over previous ones
there is but one conclusion—

They must give satisfaction.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.

Audubon Wire Cloth Co., Inc.

AUDUBON, N. J.

Announce their succeeding the

Strawbridge & Chase Co.
OF PHILADELPHIA, PA.

Emphasizing the fact of no change
in management or conduct
of the business

We wish further to let our friends and customers know of our increased facilities, new initiative and increased endeavors to give prompt delivery, service and low figures consistent with the quality of our products.

Audubon Wire Cloth Co., Inc.

Manufacturers of

Wire Cloth in Brass, Copper, Steel and Galvanized
Wire Screening, Sieves and Window Guards

AUTO TRUCK DELIVERING DAILY IN PHILADELPHIA, PA.



Build on "F-S" Products for substantial results.

You get durable, satisfactory finishes when you specify our Varnishes. We've been making them and improving on them for half-a-century. They are the results of honest endeavor to turn out quality products. Only reliable materials are used.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(116)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

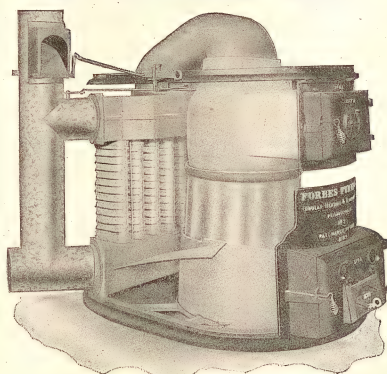
Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.
Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction.

Easy to regulate. Quick to respond.
Illustrated Catalog showing construction, installations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.
232 Quarry Street, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER

WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers

Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA

Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 31.

PHILADELPHIA, WEDNESDAY, AUGUST 4, 1915.

Less than One Year.
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Factory (add.), East Tioga and D streets, Philadelphia. \$7,000. Architect, private plans. Owners, Brighton Worsted Co., on premises. Brick, 2 stories, 60x43 feet, slag roof, steam heating, electric lighting. Owners taking bids, due as soon as possible. The following are figuring: Harry Brockhurst, 512 Norris street; Wm. Steele & Sons Co., 1600 Arch street; A. Raymond Raff, 1635 Thompson street; Joseph Bird Co., 213 N. Eleventh street; Crampton Bros., 1030 Herbert street, Frankford, Phila.

Residence and Garage, Carpenter street, Germantown. \$25,000. Architects (Assoc.), E. J. Holmes & Co. and C. Wharton Churchman, 1311 Walnut street, Philadelphia. Owner, Sydney L. Wright, 139 South Fifth street, Philadelphia. Stone, 2½ stories, 21x72 feet, shingle roof, metal lath, (tile work, oak floors, heating and electric work separate bids). Architects taking bids, due August 4th. The following are figuring: Stokes Bros., 6723 Musgrave street; Thomas M. Seeds, 1207 Race street; Frank G. Stewart, 1610 Sansom street; Fred Elridge & Son, 5522 Germantown ave.; Alfred James, Bala, Pa.

Store and Residence (alt. and add.), 3645 Woodland avenue, Philadelphia. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Mrs. Hortense L. Becker, on premises. Brick, 3 stories, slag roof, parquetry floors, composition flooring, metal ceilings, (heating, electric work and store fixtures reserved). Architect has received revised bids.

Sewage Pumping Station, Sixty-ninth ave., west of York road, Philadelphia. Engineer, George S. Webster, City Hall, Philadelphia. Owner, City of Philadelphia, Department of Public Works, City Hall. Stone, 1 story, 20x19 feet, slate roof, metal lath. F. J. Boas, 201 North Broad street, Philadelphia, submitted lowest bid, \$8,900.

Fire House (alt. and add.), Somerville and Rising Sun avenues. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick and rough cast, 1 story and tower, 26x55 feet, slate roof, metal lockers, metal lath, tile work, waterproofing. Two

lowest bidders: John Green, 1004 West Lehigh avenue, \$8,716; James Connor, 1317 Arch st., \$9,280.

Store and Apartments, Broad and Rockland streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Louis and Benjamin Fox, 4910 N. Broad street, Philadelphia. Brick, 3 stories, 32x69 feet, tile and slag roof, hot water heating, electric lighting, tile work, parquetry floors, metal lath. Owners have received revised bids.

Stores and Apartments, Fifty-fifth and Thomas avenue, Philadelphia. Architect, private plans. Owner, Charles O'Brien, Fifty-fourth and Baltimore avenue, Philadelphia. Brick, 2 stories, 30x60 feet, slag roof, electric lighting, steam heating, hardwood floors, plumbing. Builder D. F. Wholey, 1109 Indiana avenue, Philadelphia, is taking sub-bids on all lines.

Apartment House, Horter and Jefferson sts., Philadelphia. Architect, Andrew Borzner, 721 Walnut street, Philadelphia. Owner, Max Lichtenstein, 1200 Chestnut street, Philadelphia. Brick, stone trimmings, 4 stories, 128x160 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors. Builder Robert Killough, Wayne avenue and Duval street, is taking sub-bids.

Pumping Station (alts.), Belmont Station, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Bureau of Water, Room 701, City Hall, Philadelphia. Consists of new roof and sash for fan and tank house, slag roof, structural steel, steel sash. Owners taking bids, due August 12th. McCloskey & Bahls, Hale Building, and Edward Fay & Son, 2 South Mole street, Philadelphia, are figuring.

Store Building (alts.), 1819 North Thirty-second street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, John J. Coyle, 1619 Arch street, Philadelphia. Brick, 2 stories, consists of new front and interior alterations. Architects have received bids.

Residences (12), Oak Lane, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut st., Philadelphia. Owner, Matthew A. Roth, 6408

North Camac street, Philadelphia. Stone and brick, 2½ stories, slate, tin and slag roofs, hot water heating, electric lighting, tile work. Plans in progress. Owner will take sub-bids.

Residences (300), Twenty-fourth to Twenty-fifth, Milfill and Moore streets. Architect, private plans. Owner, John F. Scanlan, Twenty-third and McKean streets, Philadelphia. Brick, 2 stories, 16x40 feet each, slag roofs, hot water heating, tile work, hardwood floors, electric lighting. Owner is ready for sub-bids on all lines.

Stores and Apartments (2), and (3) Residences, Fairmount avenue and Lex st., Philadelphia. Architect, F. N. Greisler, Lafayette Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 20x50 feet, slag roof, steam heating, electric lighting, tile work, fireproofing. Residences, 16x40 feet each, slag roof, hot air heating, electric lighting. Architect is taking sub-bids on all lines.

Sewers, foot of Federal and Reed streets, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station. Consists of building of sewers for drainage of Reed and Federal streets freight yards. Owners have received bids.

Water Tank, Front and Reed streets, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owner, Penna. Railroad Co., Broad Street Station. Consists of furnishing and erecting steel water tank at Reed street freight yard. Owners have received bids.

Residence (alt. and add.), 6052 Overbrook avenue, Philadelphia. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, James A. Develin, on premises. Brick and stucco, consists of bay windows and 2 bathrooms, copper roof, metal lath, (heating, plumbing, electric work, tile work reserved). Architect taking bids. H. H. Burrell, 206 South Quince street, is figuring (only bidder).

Residences (241), Limekiln pike, Medary and Ogontz avenues, Philadelphia. Architect, private plans. Owners, Clark & Crighean, 5030 North Fifteenth street, Philadelphia. Brick, 2 stories, 15x34 feet each, slag roofs,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble

Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

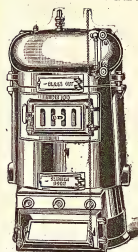
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The NEW Round ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

hot water heating, electric lighting, parquetry floors. Owner taking sub-bids on 48 houses and will take sub-bids later on 193.

Store and Residence, Morris and Queen sts., Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Bell Company, 953 North Hancock st., Philadelphia. Brick, 3 stories, slag roof, steam heating, electric lighting. Owners are taking sub-bids.

Hospital (add.), 1234 North Fifty-fourth street, Philadelphia, \$100,000. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, West Philadelphia General Homeopathic Hospital and Dispensary, on premises. Brick, terra cotta, reinforced concrete and steel, fireproof, 2 stories, 40x170 feet, and two wings 17x27 feet each, slag roof, steel sash, tile and terrazzo floors (heating and electric work reserved). Architects taking bids, due August 16th. The following are figuring: Thomas M. Seeds, 1207 Race street; H. E. Baton, Twelfth and Sansom streets; Freund-Seidenbach Co., Bulletin Building; William R. Dougherty, 1610 Sansom street; Stacy Reeves & Sons, 2011 Market street; Frank G. Stewart, 1619 Sansom street; H. E. Grau Co., 1707 Sansom street; James H. Wells, Heed Building; A. B. Raff, 1635 Thompson street, all of Philadelphia.

Garage, Fifteenth and Cayuga streets, Philadelphia. Architect, Paul Boyd, 211 East Willow Grove avenue, Chestnut Hill. Owner, Francis Hogarth, 4450 Germantown avenue, Philadelphia. Brick, 1 story, 49x100 feet, slag roof, electric lighting, steam heating. Builder, George A. Boyd, 211 East Willow Grove avenue, is taking sub-bids on all lines.

Prisons (alt. and add.), Holmesburg and Tenth and Reed streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prisons, Board of Inspectors of the Philadelphia County Prisons, Tenth and Reed streets, Philadelphia. Stone, steel and concrete, hospital building, 2 stories, 36x43 feet; word building, 1 story, 184x27 feet; also alterations to present buildings; slag roofs, tile work, metal lath, safety treads, concrete floors, reinforcing bars, enameled bricks, dampproofing. Low bidders, Henry E. Baton, Twelfth and Sansom streets, on Holmesburg, Pa., and Thomas Reilly, 1618 Thompson street, on Tenth and Reed streets.

Street Paving, various streets, Philadelphia. Owners, City of Philadelphia, Department of Public Works. M. L. Cooke, Director, Room

232, City Hall, Philadelphia. Consists of grading and paving of streets with asphalt, vitrified blocks, granite blocks and macadam. Owners taking bids, due August 10th, at noon.

Demolishing Houses, Etc., North Twentieth street and Kensington avenue. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, Room 232, City Hall, Philadelphia. Consists of removal of houses 3411 to 23 North Twentieth street and 3455 to 75 Kensington avenue; also enlarging and filling lake in Gorgas Park. Owners taking bids, due August 13th, at noon.

Stores and Offices, 5622 Germantown avenue, Philadelphia. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owners, Dunnally & Suss, West Lehigh and Germantown avenues. Brick, 2 stories, 24x115 feet, slag roof, steam heating, electric lighting. Plans in progress.

Convenience Station, Vernon Park, Germantown. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Stone and frame, 1 story, 17x36 feet, Reading roofing, waterproofing, reinforcing bars, promenade tile floors, safety treads, proposal band (hot water heating, plumbing, electric work, separate bids). Owners taking bids, due August 13th at noon. Plans may be obtained at Room 113, City Hall, Philadelphia.

Stores (alts.), 2330 to 2334 North Front street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, George Kelly, Hale Building, Philadelphia. Brick, 2 stories, consists of general alterations and additions, slag roof, steam heating, electric lighting. Plans in progress.

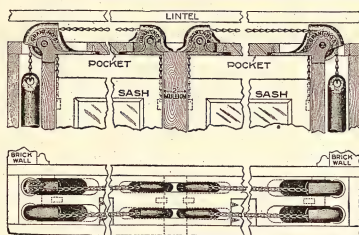
Business Building (remodeling), 210 and 12 North Broad street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick and terra cotta, 5 stories, slag roof, steam heating, electric lighting, elevators, concrete fireproofing, metal lath. Architect taking revised bids, due August 6th. The following are figuring: P. J. Hurley, 1233 Cherry street; I. T. Shoemaker, 1309 Walnut street; E. J. Kreitzburg, 1345 Arch street; Smith-Hardican Co., 1606 Cherry street; Freund-Siedenbach, Bulletin Building; Edward Fay & Son, 2 S. Mole street; Lam Building Co., 1001 Wood street; H. O. Lea Co., 1027 Wood street, all of Philadelphia.

Garage, 8860 Germantown avenue, Philadel-

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

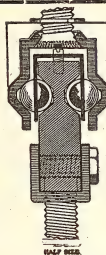
BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.
Is easily installed and quickly adjusted.
Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

phia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Stone and frame, 2 stories, 52x28 feet, slate roof, steam heating, electric lighting, cement floors. Architect taking bids, due August 6th. The following are figuring: A. R. Raff, 1635 Thompson street; E. J. Kreitzburg, 1345 Arch street; I. T. Shoemaker, 1309 Walnut street; Thomas C. Trafford, 1613 Sansom street; P. A. Havens & Co., 845 North Nineteenth street; Archibald K. Schock, 45 West Gravers lane.

Residence (alt. and add.), 6052 Overbrook avenue, Philadelphia. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, James A. Develin, on premises. Brick and stucco, consists of bay windows and two bath rooms, copper roof, metal lath (heating, plumbing, electric work and tile work reserved). Architect taking bids, due August 6th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; E. E. Hollenback, Fifteenth and Race street; J. Morton Warner, Bryn Mawr, Pa.

Church, Sixty-second and Cedar avenue, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, St. Carthage R. C. Church, Rev. Father P. F. O'Neill, Fifty-third and Vine streets, Philadelphia. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Parish House (add.), D street and Allegheny avenue. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, St. Nathaniel's P. E. Church, Rev. George R. Miller, 715 East Allegheny avenue. Stone, 1 story, 25x60 feet, consists of basement and first story only, slag roof, steam heating, electric lighting. Architect taking bids, due August 13th. The following are figuring: Pringle Borthwick, 8018 Germantown avenue; H. H. Burrell, 206 South Quince st.;

F. Elvidge & Son, 5522 Germantown avenue; Frank E. Wallace, 1220 Chancellor street; Charles Gilpin, Harrison Building.

Immigration Station, Etc., foot of Reed street, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Consists of building immigration station on Pier No. 53, offices, repair shops, etc., brick, 1 story, 25x12 feet, 18x12 feet, 36x18 feet, 36x31 feet, 69x24 feet, slag and tin roofs, hot air heaters, steam heating, electric lighting, composition floors, proposal bond. John N. Gill & Co., Heed Building, submitted the lowest bid, \$82,339.

Bridge, Holme avenue, over Pennypack Creek. Engineer, George S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Concrete arches (2), 50-foot spans (1), 80-foot span, 80 feet wide. Lowest bid, McNichol Pacing and Const. Co., Lincoln Building, \$65,000.

Bridge, Cambria and A streets, Philadelphia. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Steel superstructure, concrete foundation, 52 feet wide over 13 tracks. Lowest bidder, James D. Dorney, 1204 East Montgomery avenue, \$46,335.

Theatre, Stores and Apartments, Fifty-sixth and Pine streets, Philadelphia. Architect, Walter W. Sharpley, 328 Chestnut street, Philadelphia. Owner's name withheld. Brick, terra cotta, concrete and steel, 2 stories, 140x72 feet, slag roof, dampproofing and waterproofing, reinforcing bars, tile and terrazzo work, steam heating, metal lath, electric lighting. Architect taking bids, due August 10th. William B. Dougherty, 1610 Sansom street, Philadelphia, is figuring.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage (add.), 6108 Girard avenue, Philadelphia, \$3,600. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Frank Kerr, on premises. Brick and concrete

floors, 2 stories, 50x70 feet; slag roof, (heating, plumbing and electric work reserved). Contract awarded to Warren E. Biscoe, 3945 Ludlow street, Philadelphia.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.,
PHILADELPHIA. PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

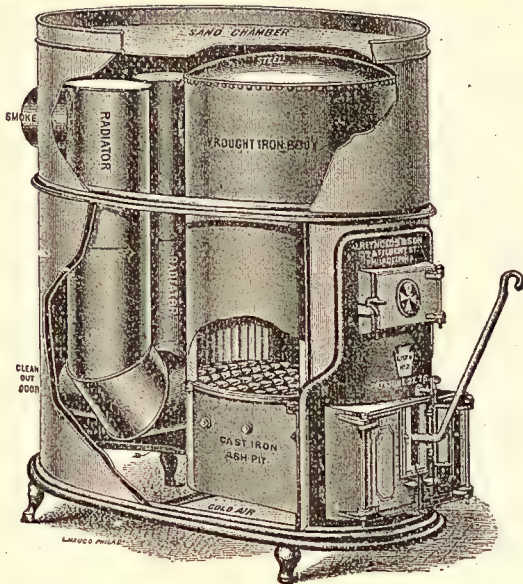
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

The modern device for connecting portable gas appliances such as reading lamps, desk or piano lamps, portable gas heating stoves, chafing dishes, gas irons, etc. from the wall, baseboard or floor is by the use of the Conceal-o-Plate.

Owners or tenants will appreciate one in the bathroom, bedroom, living room, library, dining room and kitchen.

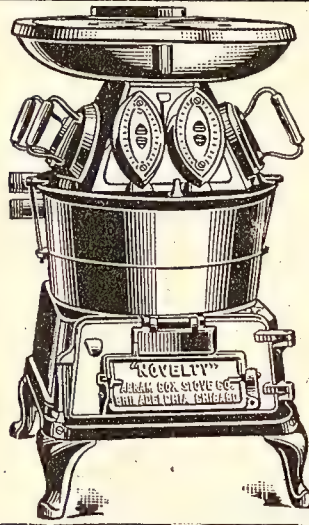
Call up the "Builders and Operators Division" for further information.

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

Y. W. C. A. Building (alts.), 5503 Germantown avenue, Philadelphia. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owners, Y. W. C. A., on premises. Brick, 3 stories, tin roof, dumb waiter, steam



"NOVELTY REMINDERS"

THE NEW "NOVELTY" LAUNDRY STOVE

Answers the Growing Demand of House Buyers
in the Most Practical and Efficient Way.

It will Supply AMPLE HOT WATER AT ALL TIMES at a Cost of On'y a Few Cents a Day; and in addition will also Heat Eight Irons on the Side and a Large Wash Boiler on the Top.

Write for Literature and See Why it is the Most Efficient
Appliance of its Kind

Manufactured by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

heating, electric lighting, metal lath, composition floors. Contract awarded to Wm. J. Gruhler Co., 219 East High street, Philadelphia.

Parochial School, Hutchinson and Cambria streets, Philadelphia, \$40,000. Architect, John A. Fischer, 3621 North Fifth street, Philadelphia. Owners, St. Bonaventura R. C. Church, Rev. H. Hammeke, 2831 North Hutchinson st., Philadelphia. Brick, stone trimmings, 60x80 feet, slag roof, steam heating, electric lighting, slate blackboards. Contract awarded to Melody & Keating, Bailey Building, Philadelphia.

Garage (alt. and add.), 220 South Fortieth street, Philadelphia, \$4,000. Architect, private plans. Owners, Passavant Brothers, on premises. Brick, 1 story, slag roof, cement floors. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Stores and Residences (5), Fifty-third and Market streets, Philadelphia, \$25,000. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, Wm. H. Yorke, 5246 Market street, Philadelphia. Brick, 3 stories, 15x63 feet each, slag roof, hot water heating, electric lighting. Contract awarded to N. Raidman, 5944 Walnut street, Philadelphia.

Grain Elevator, Girard Point, Philadelphia, \$600,000. Engineer, A. C. Shand, Broad St. Station, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station. Reinforced concrete, 5 stories, 100x200 feet. Contract awarded to Jas. Stewart Co., Westminster Building, Chicago, Ill.

Freight House (remodeling), Thirteenth and Callowhill streets, Philadelphia. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal. Brick and steel, 1 story, 524x33 feet, rolling steel doors, steel frames and sash, structural iron work. Contract awarded to A. R. Raff, 1635 Thompson street, Philadelphia.

Residence, Arbutus street, east of Wayne avenue, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edwin R. Winner, Wood-Norton Apartments, Philadelphia. Stone, 2 stories, 62x48 feet, variegated slate roof, warm air heating, oak floors, tile work, metal lath, (electric work reserved). Contract awarded to Geo. F. Payne & Co., 410 South Juniper street, Philadelphia.

Club House (alts.), Broad and Walnut sts., Philadelphia, \$8,000. Architects, Simon & Bassett, 1114 Chestnut street, Philadelphia.

Owners, Manufacturers' Club, on premises. Consists of interior fire repairs. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Residence, Fifty-sixth and Overbrook ave., Philadelphia, \$8,500. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owners, Girard Estate, 1035 Commercial Trust Building, Philadelphia. Hollow tile and plaster, 2½ stories, 20x43 feet, wing 9x15 feet, shingle roof, electric lighting, vapor heating, oak floors. Contract awarded to Alfred James, Bala, Pa.

Residences (alt. and add.), 1702 Summer and 1703 Spring streets, \$11,000. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, Rev. Archbishop E. F. Predegast, Eighteenth and Race streets, Philadelphia. Brick, 2 stories, slag roof, electric lighting. Contract awarded to Melody & Keating, Bailey Building, Philadelphia.

Residence (alt. and add.), 6806 Greene st., \$5,000. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, Rev. James A. Montgomery, on premises. Brick, 2½ stories, shingle roof, hot air heating, oak floors, tile work. Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Residence, Broad and Dauphin streets, Philadelphia, \$10,000. Architects (associated), E. Allen Wilson and S. K. Neubauer, 1208 Chestnut street, Philadelphia. Owner, L. Harrison, 2258 North Broad street, Philadelphia. Brick, 3 stories, slag roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to H. P. Schneider, 3715 Old York road, Philadelphia.

Garage, 219 West Rittenhouse street, Philadelphia. Architect, private plans. Owner, The Rittenhouse Garage, 216 West Rittenhouse street, Germantown. Brick, 1 story, 96x60 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to H. P. Schneider, 3715 Old York road, Philadelphia.

Foundry and Machine Shop, Seventeenth and Allegheny avenue, Philadelphia. Architect, private plans. Owners, Eynon-Evans Manufacturing Co., Fifteenth and Clearfield streets, Philadelphia. Brick, concrete and steel, 3 stories, 50x120 feet and 58x120 feet, slag roof, electric lighting, concrete floors. Contract awarded to Harry Gill, 2515 Germantown avenue, Philadelphia.

Are you a regular subscriber to "The Guide"?

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG. YORK : PA.



Union Station and Office Building of Atlantic Coast Line R. R. Co., Wilmington, N. C.

Architect---J. F. Leitner, Wilmington, N. C.
Chief Engineer---E. B. Pleasants.
General Contractors---Boyle-Robertson Construction Co., Washington, D. C.
Roofer---A. Y. Bond, Greensboro, N. C.

MANY buildings have just "roofs". The contractor says "I'll build you a pitch and gravel roof"—and he does so.

It may be a *good* roof or it may be a *poor* one; yet a pitch and gravel roof is the best and most economical roof for any building—*provided it is built right*.

There is one sure way to eliminate all guess-work and chance—incorporate The Barrett Specification in full in your building plans and

employ a responsible roofing contractor to do the work.

The result will be a roof which will give satisfactory service for 20 years and upwards, and that will show a unit cost (the cost per square foot per year of service) of about $\frac{1}{4}$ of a cent.

No other roof covering known can even approximate this figure.

Remember that a Barrett Specification Roof is not a ready-made roofing. It is constructed on the building and is recognized as *standard* by technical men generally.

These roofs take the base rate of insurance and are approved by the Underwriters' Laboratories.

Hydronon

The Damp-proofing Paint

Construction expenses can be reduced by applying plaster directly on the brick or concrete without air space or lath construction. The use of Hydronon makes this practicable. This paint applied to the interior surface of the wall, seals it tight and furnishes a safe and dry base for the plaster. Booklet free on request.

Tar-Rok (Tar Concrete) Sub-Floors

The most suitable service on which to bed plank where a wooden lower floor is desired in factories, storehouses, etc., providing a maximum of strength, rigidity and fire protection at a minimum cost. The planking is laid on the tar concrete while the latter is still soft, giving perfect solidity and making vibration impossible. The tar excludes dampness, provides a warm floor and protects the plank from decay. Booklet on request.

Special Note We advise incorporating in plans the full wording of The Barrett Specification, in order to avoid any misunderstanding. If any abbreviated form is desired, however, the following is suggested:

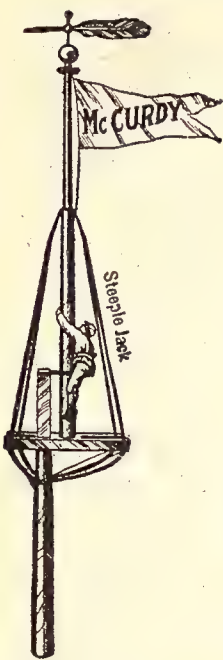
ROOFING—Shall be a Barrett Specification Roof laid as directed in printed Specification, revised August 15, 1911, using the materials specified and subject to the inspection requirement.

A copy of The Barrett Specification, with roofing diagrams, free on request.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle
THE PATERSON MFG. CO., Limited: Montreal Toronto Winnipeg Vancouver
St. John, N. B. Halifax, N. S. Sydney, N. S.





FLAG POLES and Fittings

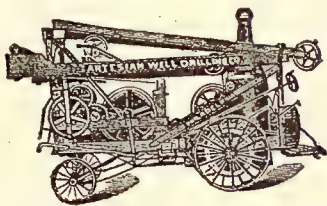
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

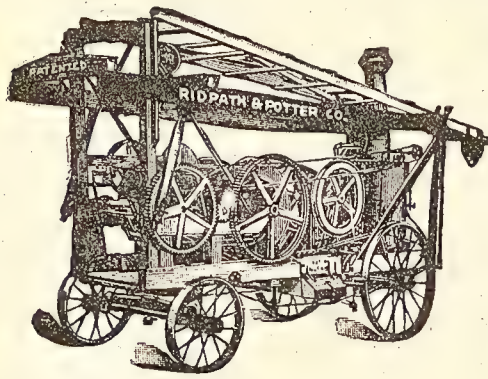
Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

The "Builders' Guide" is the **OLDEST**,
and the **ONLY** Architectural Publication in
Pennsylvania.

A retailer may fool himself by failing to
charge all of his expenses into his cost of do-
ing business, but his expenses will come out of
his gross profits just the same.—*Ex.*



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA Construction News

Residence, Haverford, Pa., \$30,000. Archi-
tects, Milligan & Webber, 520 Walnut street,
Philadelphia. Owner, Sydney Thayer, Merion,
Pa. Stone, hollow tile and plaster, 2½ stories,
tile roof, hot water heating, electric lighting,
oak floors, tile work, dampproofing. Archi-
tects taking bids, due August 3d. The follow-
ing are figuring: E. E. Hollenback, Fifteenth
and Race streets; Metzger & Fischer, Denckla
Building; Specht & Sperry, Heed Building;
Elfreth & Wood, 1708 Sansom street; Wolf &
Dilworth, Bryn Mawr, Pa.; W. Harry Roberts,
P. O., Ardmore, Pa.

Residence, Lansdowne, Pa. Architects,
Bunting & Shrigley, 603 Chestnut street,
Philadelphia. Owner, Mrs. Russell M. Berger,
Lansdowne, Pa. Frame and stucco board, 2½
stories, 37x29 feet, shingle roof, hot air heat-
ing, electric lighting. Architects have re-
ceived bids.

Apartment House, Reading, Pa., \$12,000.
Architect, Wm. A. Fink, 426 Franklin street,
Reading, Pa. Owner, H. W. Saul, Seventh and
Chestnut street, Reading, Pa. Brick, 4 stories,
40x120 feet, tin roof, steam heating, electric
lighting, hardwood floors, metal lath, damp-
proofing. Owner is sub-letting all contracts.

Dye Works (add.), Reading, Pa. Architect,
George L. Gerhard, 519 Penn street, Reading,
Pa. Owners, name withheld. Brick, 2 stories,
40x120 feet, slag roof, electric lighting, (steam
heating reserved). Architect taking bids, due
August 4th.

Garage, Springmont, Pa. Architect, J. Earle
Hickman, 119 South Fifth street, Reading, Pa.
Owner, Marshall F. Wilkinson, 60 South Sixth
street, Reading, Pa. Brick and stucco, 2
stories, 21x32 feet, metal tile roof, hot water
heating, electric lighting, cement floors.
Plans in progress.

Warehouse, Reading, Pa. Architect, H. J.
Maurer, Baer Building, Reading, Pa. Own-
ers, G. H. Delp Co., 12 South Eighth street,
Reading, Pa. Brick and steel, 3 or 4 stories,
210x40x57 feet, slag roof, steam heating,
elevator, electric lighting, cement floors, damp-
proofing. Plans in progress.

Residences (29) and (2) Stores, Keystone,
Del. Co., Pa. Architect, H. E. De Hoff, 48
South Sixty-first street, Philadelphia. Owners,
Wadas & Jones, Observatory Hill, Pa. Brick,
2 stories, 16x34 feet, slag roof, steam heating,
electric lighting, hardwood floors, tile work.

Plans in progress. Owners will take sub-bids
in a few days.

Residence and Garage, Wissahickon avenue,
south of Allen's lane, \$35,000. Architects,
Savery, Scheetz & Savery, Stephen Girard
Building, Philadelphia. Owner, Isabella C.
Wolstenholme, 333 West Upsal street, Phila-
delphia. Stone, 2½ stories. Details not yet
decided. Plans in progress.

Home Building (alt. and add.), 5919 Wayne
avenue, Philadelphia. Architect, Robert R.
McGoodwin, 34 South Sixteenth street, Phila-
delphia. Owners, Home of Rest for the Aged,
on premises. Brick, 2 stories, steam heating,
electric lighting. Plans in progress. Archi-
tect will take bids in about one month.

Stable (rebuilding), Twenty-first and Lipp-
incott streets, Philadelphia. Engineer, S. T.
Wagner, Reading Terminal. Owners, Phila-
& Reading Railway Co., Reading Terminal.
Brick, 2 stories, 52x30 feet, slag roof. Owners
taking bids, due August 6th. The following
are figuring: H. E. Baton, Twelfth and San-
som streets; John N. Gill & Co., Heed Build-
ing; F. A. Havens & Co., 845 North Nineteenth
street; J. Sims Wilson, 1125 Brown street;
Charles Gilpin, Harrison Building; A. L. Car-
hart, Hale Building; Burd P. Evans & Co.,
Thirteenth and Wallace streets; F. L. Hoover
& Sons, 1023 Cherry street; Thomas C. Traf-
ford, 1613 Sansom street; Armstrong & Latta,
Land Title Building; F. W. Van Loon, Denckla
Building; Mitchell Bros., 2125 Race street; A.
R. Raff, 1635 Thompson street, all of Phila-
delphia.

Residences (24), Cobbs creek and Christian
street, Philadelphia. Architect, E. Allen Wil-
son, 1208 Chestnut street, Philadelphia. Own-
ers, City Improvement and Realty Co., 1320
South Fifty-seventh street, Philadelphia.
Brick, 2 stories, slag roofs, hot water heating,
gas and electric lighting, hardwood floors.
Owners taking sub-bids.

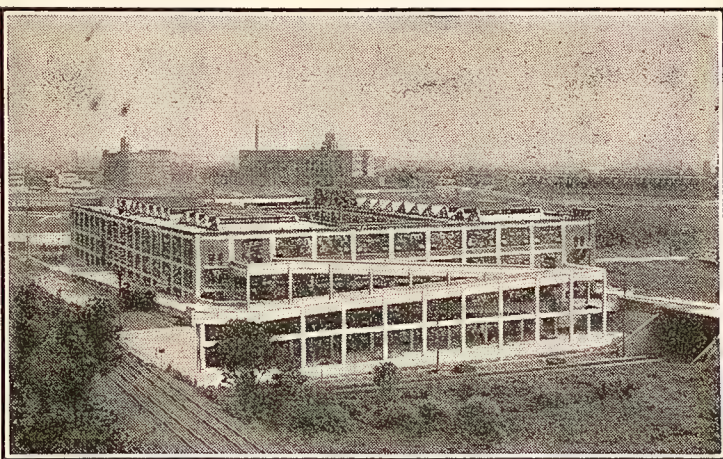
Residences (10), Fifty-sixth and Spruce sts.,
Philadelphia. Architect, E. Allen Wilson,
1209 Chestnut street, Philadelphia. Owners,
Litman & Milgran, 2332 South Tenth street,
Philadelphia. Brick, 2 stories, store and
apartment (2) 3 stories, slag roofs, steam
heating and hot water heating, electric light-
ing, hardwood floors. Owners taking sub-bids.

Residences (25), Sixty-third and Spruce sts.,
Philadelphia. Architect, E. Allen Wilson,
1209 Chestnut street, Philadelphia. Owners,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Savar & Hurshman, 718 Snyder avenue, Philadelphia. Brick, 2 stories, slag roofs, steam and hot water heating, electric lighting, hardwood floors. Owners taking sub-bids.

Residence (alt. and add.), Chestnut and Norwood avenues. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, M. F. Hanson, 515 East Sedgwick st., Philadelphia. Stone, 2½ stories, slag roof, metal lath, tile work, composition flooring, oak floors, (plumbing, heating and electric work reserved. Architect has received bids.

Factory, Wingohocking, Pa. Architect, pri-plans. Owners, name withheld. Brick, stone, concrete and steel, 1 and 2 stories, 183x107 feet, asbestos roof, fire doors, steel sash, reinforcing bars. Builders Wm. Steele & Sons Co., 1600 Arch street, Philadelphia, is taking sub-bids on all lines.

Picture Theatre (alt. and add.), Earp street and Point Breeze avenue. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, A. D. Resnick, 1613 South Twenty-fourth street, Philadelphia. Brick, 1 story, slag roof, steam heating, electric lighting, metal lath, reinforced concrete stairs. Owner has received bids.

High School, Lansford, Pa., \$150,000. Architects (Assoc.), Tooker & Narsh, 101 Park avenue, New York City, and John T. Simpson, Essex Building, Newark, N. J. Owners, Board of Education, Thomas T. Whilden, secretary, Lansford. Brick, stone trimmings, concrete and steel, fireproof, 3 stories, 136x121 feet, slag roof, dampproofing, fire doors, concrete floors, reinforcing bars, wire lath, safety treads, tile and marble work, elevator, slate blackboards, (heating, plumbing, electric work separate bids). Owners taking bids, due August 9th. In addition to those previously reported, Henry L. Brown, 1714 Sansom street, and Cramp & Co., Denekla Building, are figuring.

School, Allentown, Pa., \$100,000. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Board of Education, T. P. Werner, secretary, Allentown, Pa. Brick, 2½ stories, composition roof, fireproofing, slate blackboards, (heating, plumbing and electric work separate bids). Owners taking revised bids, due August 4th. The following are figuring: Ochs Construction Co., Butz & Clader, George H. Hardner, Jacob Nagle &

Son, Ritter & Smith, B. F. Peters & Sons, Stein & Bro., all of Allentown, Pa.

Residence (alt. and add.), 302 Bala avenue, Cynwyd, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Henry A. Ingram, Cynwyd, Pa. Stone and frame, 2½ stories, shingle roof, vapor heating, electric lighting, tile work, hardwood floors. Architects taking bids, due August 4th. The following are figuring: Metzger & Fisher, Denekla Building; James H. Wells, Heed Building; Graham-Campion Co., Heed Building; Gray Bros., Rosemont, Pa.; Wolf & Dilworth, Bryn Mawr, Pa.

Store and Offices, Market street, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, name withheld. Brick, 3 stories, slag roof, steam heating, electric lighting. Plans in progress.

Residence, Haverford, Pa., \$30,000. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owner, Sydney Thayer, Merion, Pa. Stone, hollow tile and plaster, 2½ stories, slate roof, vapor heating, electric lighting, oak floors, dampproofing. Architects taking additional bids, due August 7th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; Milton W. Young, Overbrook, Pa.; F. B. Davis, 240 North Sixteenth street; Thomas C. Trafford, 1613 Sansom street; Frank H. Mahan, Ardmore, Pa.

Residence, West Chester, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, G. H. McFarland, West Chester, Pa. Stone, 2½ stories, 45x28 feet; wing, 22x20 feet; shingle roof, oak floors (plumbing, heating, electric work and tile work reserved). Architect taking bids, due August 10th. The following are figuring: Plummer E. Jefferis, Smedley & Hoopes, Lloyd R. Baldwin, Joseph M. Burns, W. H. Jones, all of West Chester, Pa., and George L. Croll, Rosemont, Pa.

Arsenal (add.), Harrisburg, Pa. Architect, C. A. Keyworth, State Capitol, Harrisburg, Pa. Owners, State of Pennsylvania, Department of Public Grounds and Buildings, Samuel B. Rambo, Superintendent, Harrisburg, Pa. Brick, terra cotta, concrete and steel, fireproof, 2 stories, 211x61 feet, slag roof, steel sash, fire roofs, concrete floors, reinforcing bars (heating, plumbing and electric work separate bids). Owners taking revised bids, due August 13th, at 2 P. M. James H. Wells,



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

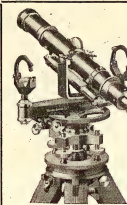
Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



THE UP-TO-DATE BUILDER
the man who is successfully meeting competition, recognizes the exclusive advantages of the

"Sterling" Convertible Builders' Level

If you need a Level or a Transit call or write to-day for catalog S. W. Folder No. 4 and details of FREE EXAMINATION PRIVILEGE now available.

"Sterling" Transits and Levels are superior to any similar priced instrument made. Ask the man who has one.

We
repair
Tapes
Transits
Levels

WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

PHILADELPHIA

Rebult
Instruments
For Sale
or Rent

Heed Building, Philadelphia, is figuring, in addition to those previously reported.

Ammunition Buildings, Fort Mifflin, Pa. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Building, Washington, D. C. Brick, 1 and 2 stories, consists of shell house, fixed ammunition storehouse, magazine building and extension to reforming plant. Owners taking bids, due August 21st, at 11 A. M. Plans may be obtained at office of commanding, Navy Yard, Philadelphia.

Residences (16), Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. C. Taylor, Cambridge Building, Chester, Pa. Brick, 2 stories, 16x30 feet each, slate, slag and tin roofs, hot water heating, electric lighting, tile work, parquetry

floors. Owner taking bids, due August 4th. George Hogg, 1634 Sanson street, Philadelphia, is figuring (only bidder).

Residence (alt. and add.), Berwyn, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, E. Lewis Burnham, Berwyn, Pa. Stone and stucco, 2½ stories, shingle roof, expanded metal lath, oak floors (heating, plumbing, electric work and tile work reserved). Architect taking bids, due August 9th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; E. E. Hollenback, Fifteenth and Race streets; Stokes Bros., 672 Musgrave street; J. Morton Warner, Bryn Mawr, Pa.; and Lewis F. Koller, Berwyn, Pa.; E. L. Warner, Berwyn, Pa.

PENNSYLVANIA Contracts Awarded

Vault (add.), Reading, Pa., \$5,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owners, City of Reading, City Hall, Reading, Pa. Hollow tile and concrete, 3 stories, slag and concrete roof, electric lighting, concrete floors, metal lath, waterproofing. Contract awarded to Daniel H. Hunter, 820 North Eleventh street, Reading, Pa.

Bungalow, Annville, Pa., \$5,000. Architect, Wayne High, 416 Penn street, Reading, Pa. Owner, Dr. Joseph Shank, Annville, Pa. Stone, 2 stories, 32x28 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors, metal lath. Contract awarded to L. Saylor & Sons, Annville, Pa.

Bank Building (alt. and add.), Hummelstown, Pa., \$20,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Farmers' National Bank, Hummelstown, Pa. Brick, stone trimmings, 3 stories, 36x60 feet, vapor heating, electric lighting, tile and marble work, metal lath, (banking fixtures and metal cases reserved). Contract awarded to Joseph W. Pomraning, 1918 North Second st., Harrisburg, Pa.

Picture Theatre, Reading, Pa., \$12,000. Architect, Wm. A. Fink, 426 Franklin street, Reading, Pa. Owners, name withheld. Brick, 2 stories, 40x-0 feet, slag roof, steam heating, electric lighting, composition flooring, metal lath. Contract awarded to Howard J. Fick, 615 North Eleventh street, Reading, Pa.

Residence (alt. and add.), Bryn Mawr, Pa. Architects, Melvain & Roberts, Land Title Building, Philadelphia. Owner, Carroll B. Nichols, Bryn Mawr, Pa. Stone and plaster, 2½ stories, addition 24x33 feet, shingle roof, tile work, oak floors, electric lighting, (heating reserved). Contract awarded to Wolf & Dilworth, Bryn Mawr, Pa.

Home (alt. and add.), Bala, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Home for Training in Speech of Deaf Children, Bala, Pa. Brick, frame and rough cast, 3 stories, tin roof, metal lath, electric lighting, (steam heating reserved).

Contract awarded to Elfreth & Wood, 1708 Sanson street, Philadelphia.

Hospital Building, Elizabethtown, Pa., \$45,000. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owners, Phila. Order of Free Masons, Broad and Filbert sts., Philadelphia. Stone, 3 stories, 100x40 feet, slate roof, concrete floors, reinforcing bars, waterproofing, metal lath, electric lighting, vapor heating, tile work, composition floors, fire doors, (metal weather strips and elevator reserved). Contract awarded to Pomeroy Construction Co., 1609 Ransdell street, Philadelphia.

Bridge, Milton, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal. Steel, 14 spans, length of spans 80x96 feet, length of bridge 1300 feet. Contract awarded to Pennsylvania Steel Co., Steelton, Pa.

Filtration Plant, Langhorne, Pa. Engineer, W. H. Boardman, 426 Walnut street, Philadelphia. Owners, Langhorne Spring Water Co., Langhorne, Pa. Filtration Bed 30x60 feet, 1 story. Building, 19x19 feet, concrete, reinforcing bars, slate roof. Contract awarded to the American Water Softener Co., 1011 Chestnut street, Philadelphia.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

New Jersey Construction News

Sunday School (alt. and add.), Palmyra, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Epworth M. E. Church, Palmyra, N. J. Stone, 2 stories, slate and slag roof, steam heating, electric lighting. Architect taking bids, due August 9th. The following are figuring: Alex. Chambley, 243 South Tenth street; Thos. C. Trafford, 1613 Sanson street; E. E. Hollenback, Fifteenth and Race streets; J. W. Draper, 436 Haddon avenue, Camden, N. J.; Geo. W. Shaner & Son, Palmyra, N. J.; Joseph A. Smith, Palmyra, N. J.

Garage and Service Building, Delaware avenue and George street, Camden. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, New Jersey Auto & Supply Co., 30 Delaware avenue, Camden, N. J. Reinforced concrete and steel, 2 or 3 stories, 80x129 feet, composition roof, electric lighting, steel windows and sash, elevators. Plans in progress.

School Building, Forked River, N. J., \$9,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, Forked River, N. J. Frame, 2 stories, 42x65 feet; shingle roof, metal lath, (mechanical warm air heating separate bids). Plans completed. Owners taking bids.

Factory Building, Camden, N. J. Architect, Henry Boettcher, care Armstrong Cork Co., Lancaster, Pa. Owners, Armstrong Cork Co., Liberty and Mary streets, Lancaster, Pa. Brick and steel and concrete floors and roof, 2 stories, 94x220 feet. Contract for steel work and foundations have been awarded. Plans in progress for superstructure.

Factory Building, Camden, N. J. Architect, Henry Boettcher, rare of Armstrong Cork Co., Lancaster, Pa. Owners, Armstrong Cork Co., Lancaster, Pa. Brick and steel, reinforced concrete oors and roof, 2 stories, 94x220 feet, slag roof, electric lighting. Contract awarded for steel and foundations. Plans in progress for superstructure.

Church (alt. and add.), Bridgeton, N. J., \$10,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owners, St. Andrew's Episcopal Church, Bridgeton, N. J. Brick, stone trimmings, 1 story, 40x76 feet, slate roof, vapor heating, electric lighting, composition flooring. Revised plans in progress.

Factory, Fifth street, above Market street, Camden, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, E. & R. Preisendanz, 15 Market street, Camden, N. J. Brick and reinforced concrete, 3 stories, 96x100 feet, slag roof, steel sash, fire doors, waterproofing, reinforcing bars (electric work, elevators, steam heating and sprinklers reserved). Architect taking revised bids, due August 9th. The following are figuring: Cramp & Co., Donckla Building; Stacy Reeves & Sons, 2011 Market street; H. E. Baton, Twelfth and Sanson streets; Turner Concrete Steel Co., 1713 Sanson street; Barclay White Co., Perry Building; Ketcham & McQuade, 1029 Brown street; Frank G. Stewart, 1619 Sanson street, Philadelphia.

Residence, Trenton, N. J., \$9,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Dr. Frederick Collier, Bedmont Circle, Trenton, N. J. Brick, 2½ stories, 50x35 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work, metal lath. Architects taking bids, due August 9th. The following are figuring: S. W. Mather & Son, Scott & Day, W. J. & J. H. Morris, Burton & Burton, all of Trenton, N. J.

School, Lambertville, N. J., \$30,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners' Board of

Education, Lambertville, N. J. Brick, 2 stories, 110x67 feet, slate roof, steam heating, electric lighting, metal lath, slate blackboards. Owners taking bids, due August 13th. The following are figuring: Burton & Burton, Louis Levy & Sons, S. W. Mather & Son, W. J. & J. H. Morris, Scott & Day, all of Trenton, N. J.

Store and Residence, Trenton, N. J., \$8,000. Architect, W. P. Endebrock, American Mechanics' Building, Trenton. Owner, I. J. Keuper, South Clinton and Division streets, Trenton. Brick, 2½ stories, 25x80 feet, slag and slate roof, electric lighting, tile work, composition flooring, metal lath, metal ceilings (heating reserved). Architect taking bids. The following are figuring: S. W. Mather & Son, William Musson, Edward Lee, W. J. & J. H. Morris, Wesley Gibbs, all of Trenton, N. J.

Picture Theatre, Trenton, N. J., \$20,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owners, Hildinger & Lemont, 118 Factory street, Trenton. Brick, 2 stories, 125x75x25 feet, slag roof, steam heating, electric lighting. Architects received bids August 3rd.

Church, Paulsboro, N. J., \$2,000. Architect, W. P. Endebrock, American Mechanics'

Building, Trenton, N. J. Owners, St. John's R. C. Church, Paulsboro, N. J. Frame, 1 story, 40x50 feet, shingle roof. Plans completed.

Twin Residence, Bristol, Pa., \$5,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, R. J. Blanch, Bristol, Pa. Frame, 2½ stories, 16x50 feet each, slate roof, heating not decided, electric lighting. Plans in progress.

Store Building (int. alts.), Trenton, N. J., \$2,500. Architects, Kleeman & Fowler, 326 North Broad street, Trenton. Owner, I. Garb, 326 North Broad street, Trenton, N. J. Consists of general interior alterations. Plans in progress.

Residence, Trenton, N. J., \$4,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owner, R. A. Steelman, 502 Perry street, Trenton. Brick, stone trimmings, 2 stories, 17x51 feet, slag roof, hot water heating, electric lighting, tile work. Plans in progress. Architect will take sub-bids.

Power House, Trenton, N. J., \$4,000. Architect, private plans. Owners, John A. Roebling Sons Co., Trenton, N. J. Brick and steel, 1 story, 55x60 feet, slag roof, electric lighting. Work started.

heating, elevators, power plant, tile and marble work. Plans about completed. Architects will soon take bids.

School Building, Roland Park, Md. Architects, Wyatt & Nolting, Baltimore, Md. Owners, Roland Park Country School. Brick and concrete, 1 story, 50x250 feet, 24 rooms, gymnasium, assembly hall, lockers, shower baths, steam heating, electric lighting, ventilators. Plans in progress.

Church, Wilton Heights and Heyward avenues, Baltimore, Md., \$20,000. Architects, Owens & Sisco, Baltimore, Md. Owners, Methodist Protestant Church, on premises. Stone, 60x50 feet. Architects taking bids, due August 9th. The following are figuring: Cowan Building Co., E. G. Turner, C. C. Watts, Bennett Building Co., J. M. Peregoy, R. H. Frazier & Son, C. W. Littleton & Son, all of Baltimore, Md.

Residences (12), Brooks avenue, Old Brooks Property, near Druid Hill, Md., \$66,000. Architect, private plans. Owner, Frank O. Singer, Jr., Baltimore, Md. Brick, 2 and 3 stories. Owner will take sub-bids on all lines.

Maryland

Contracts Awarded

Sewage Disposal Plant, Ocean City, Md. Engineers, Pugh & Hubbard, Witherspoon Building, Philadelphia. Owners, Ocean City, Md. Consists of pumping station and clarification tank, 75x32 feet, concrete, reinforcing bars, 3 pumps and motors, and 3½ miles of branch sewers. Contract awarded to Boyle, Lohmuller Contracting Co., 1123 Calvert Building, Baltimore, Md.

Cottage, Overland avenue, near Harford road, \$2,500. Architect, H. J. Tinley, Baltimore, Md. Owner's name withheld. Frame, 2½ stories, 24x26 feet. Contract awarded to Montebello Park Company, Baltimore, Md.

Residence, on the Severn, Baltimore, Md. Architect, private plans. Owner, Dr. M. H. Carter, Baltimore, Md. Hollow tile and stucco, 2½ stories, 62x32 feet, electric lighting, steam heating. Contract awarded to the Consolidated Eng. Co., Baltimore, Md.

Residence (alts.), Melrose and Bellona avenue, Baltimore, \$10,000. Architect, private plans. Owner, Dr. Don Preston Peters, Baltimore, Md. Consists of general alterations. Contract awarded to Gladfelter & Chambers, Baltimore, Md.

Building, 521 West Lombard street, Baltimore, Md. (alt and add.). Architect, private plans. Owners, John F. Hancock & Son, Baltimore, Md. Consists of general interior alterations and addition. Contract awarded to C. H. Brook, Baltimore, Md.

Factory Buildings, Ramsay and Scott sts., Baltimore, Md., \$168,000. Architect, private plans. Owners, Bartlett-Hayward Co., Baltimore, Md. Brick and steel, fireproof, 2 stories and 1 story, 422x72 feet and 337x171 feet. Contract awarded to J. Henry Miller, Inc., Baltimore, Md.

Building, Lombard street and the Fallsway, Baltimore, Md., \$15,000. Architect, private plans. Owners, National Casket Co., Baltimore, Md. Brick, fireproof, 1 story, 38x153 feet, electric lighting, dampproofing, steam heating. Contract awarded to Charles L. Stockhausen, National Marine Bank Building, Baltimore.

Moving Picture Theatre, Fulton avenue and Baker street, Baltimore, \$20,000. Architect, F. E. Tormey, Baltimore, Md. Owners, Lord Calvert Motion Picture Parlor, Baltimore, Md. Brick, steam heating, electric lighting, ventilators, dampproofing. Contract awarded to Joseph Schamberger, Baltimore, Md.

(For Permits see page 502.)

NEW JERSEY

Contracts Awarded

Theatre (alt. and add.), 1117-19 Broadway, Camden, N. J. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Garden Amusement Co., on premises. Consists of new front and interior alterations, metal lath, tile and marble work. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

Cigar Factory (add.), Trenton, N. J., \$4,000. Architect, Robert A. Schumann, 932 Lambert street, Trenton, N. J. Owners, Prince Cigar Co., 5 High street, Trenton, N. J. Brick and stone, 2 stories, 30x47 feet, slag roof, steam heating, electric lighting. Contract awarded to James D. Smith Sons Co., Trenton, N. J.

Glass Factory, Millville, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, International Glass Co., Millville, N. J. Frame, 1 story, 80x200 feet, composition roof, electric lighting. Contract awarded to H. H. Hankins & Bro., Bridgeton, N. J.

Factory, 656 North Delaware avenue, Camden, N. J. Architect, private plans. Owners, Nelson & Hall, Camden, N. J. Brick, 1 story, 54x64 feet, slag roof, steam heating, electric lighting. Contract awarded to Mockett Construction Co., Sixth and Market streets, Camden, N. J.

Residence, 1112 North Twenty-third street, Camden, N. J. Architect, private plans. Owner, B. Keller, Camden, N. J. Brick, 2 stories, 26x30 feet, slate roof, hot water heating, gas lighting. Contract awarded to A. Srehfeldt, 1700 Mt. Ephraim avenue, Camden, N. J.

Church (alt. and add.), Collingswood, N. J. Architect, George I. Lovatt, 418 Walnut st., Philadelphia. Owners, St. John's R. C. Church, Collingswood, N. J. Stone and frame, 1 story, slate roof, steam heating, electric lighting. Contract awarded to Edward Geschke, Collingswood, N. J.

Church, Trenton, N. J., \$8,000. Architect, W. P. Endebrock, American Mechanics' Building, Trenton. Owners, St. Basil's R. C. Church, Rev. E. Lucacin, 730 Cass street, Trenton, N. J. Brick, stone trimmings, 1 story, 32x62 feet, slate roof, electric lighting, steam heating. Contract awarded to Stephan Diekneit, 440 West Hanover street.

Residence, Hamilton, N. J., \$8,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, J. Vine, Trenton, N. J. Brick, 2½ stories, 20x70 feet, slate and tin roof, electric lighting, hot water heating, hardwood floors, tile work. Contract awarded to Scott & Day, Interstate Telephone Building, Trenton, N. J.

MARYLAND

Construction News

Immigration Station, Baltimore, Md. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone, terra cotta, reinforced concrete and steel, fireproof. Hospital building, 4 stories, 130x40 feet; administration building, 3 stories, 100x40 feet; receiving and detention building, 2 stories, 53x150 feet; power house and laundry building, 2 stories, 56x37 feet; slag, promenade tile, tin and slate roofs, reinforcing bars, safety treads, waterproofings, wire cloth, tile work, metal weather strips

(heating, plumbing, electric work, elevators separate bids). Owners taking bids, due August 16th, at 3 P. M. Charles McCaul Co., 1713 Sansom street, Philadelphia, is figuring. Plans may be obtained upon deposit of certified check for \$100.00.

Office Building, Liberty and Lexington sts., Baltimore, Md., \$1,000,000. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owner, Consolidated Gas, Electric Light and Power Co., Baltimore, Md. Brick, stone and steel, fireproof, 12 stories, 90x155 feet, composition roof, electric lighting, steam

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., AUGUST 4, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clifton Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
 Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonis, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

Urging the reorganization of the office of Supervising Architect along lines more in keeping with the magnitude of the task assigned its occupant, the "Western Architect" remarks:

"The resignation of Oscar Wenderoth, Supervising Architect of the Treasury, recently announced, gives to the Government an opportunity for the urged reconstruction of that office upon broader and more efficient lines. Pending definite legislation (as suggested by the Logue bill, or through any other approved plan), it is necessary that a move toward efficient supervision of the office be made. This should incorporate those advanced features, that many advisory suggestions have contained toward the promotion of a higher character in design and the lessening of expensive routine in execution. The Treasury Department is on the right track in its wish to secure efficiency and economy in its architectural department. Its apparent fault has been in a false idea that this can be reached by saving the expense of high architectural services. The administration of James Knox Taylor gave the department efficient management, even though that epoch was not distinguished by design that reached far beyond the commonplace, except in those executed through competition between architects in private practice. This administrative ability should be equaled or advanced in the choice of a future head to the Government's department of buildings for Government use. That department may not need a designer of ability to control its destinies, but it does need an architect who is a master of design and at the same time an engineer and constructor of the first class. He should have a practical knowledge of Government needs in the planning of buildings and the selection of, with adaptability to, site. An architect of high attainments may not be needed in an executive capacity, but the supervising of the design and construction of those buildings that are so intimately connected with the business and social life of the people does need a man of calibre to perform the work of his office with intelligence and discrimination. Such an architect it is difficult to obtain. Those whose names stand highest for professional achievement are too busy with their own affairs and eager for its emoluments to leave a private practice that satisfies for one in which there is small monetary reward and little distinction. But such an architect should, and doubtless can, be found among those who have devoted their professional lives to its varied problems rather than to the accumulation of large practices. Such a head to the architectural department of the Government would satisfy the demands of the people of the United States; and it is that public that is most concerned in both the cost and quality of Government buildings of which the Supervising Architect's office is the source."

The repeal of the Tarsney Act did more to undermine the efficiency of this branch of the Government service than all other causes combined. Under the provisions of the Tarsney Act it was possible to award the commissions for designing important public buildings by competition. The result was a series of most attractive and notable structures. Following the repeal of the Tarsney measure it was proposed by some cross-roads economist to "adopt" a "standard" type of building so that the post office at Kankakee and the Custom House at Waukegan Corners would be mere machine-made duplicates of the same design after the fashion somewhat of Mr. Edison's concrete homes for workmen. The fact is the Supervising Architect's office has never been equal in equipment to the demands made upon it. Mr. James Knox Taylor was able to produce results because he was permitted through the agency of competition to award the planning of public buildings to architects of repute throughout the country. Mr. Wenderoth, denied this privilege by the repeal of the Tarsney measure, was so swamped with work that he retired from a task to which his office organization was hopelessly inadequate. "The Guide does not concur in the view that an architect of national reputation is necessary to the successful administration of the duties of Supervising Architect. One of two things is necessary—either an enlargement of the force to meet the demands made upon the office or,—and this is the better and wiser solution,—a return to the Tarsney Act, under which it was possible to allot these demands to men with the time and talent necessary to handle them. Any reasonably able architect can handle successfully the administrative side of the office. No architect, be his talents what they may, can hope to restore its efficiency while the volume of work to be done is such as to outstrip its resources.

* * *

By the way, how many readers, outside of the zone of those directly associated with building, have any sensible ideas regarding the scope of the work involved in the designing, planning and supervising of a great, modern building? Using the Singer Building as his text, a New York writer compiled recently some comparative figures that afford an insight into the task that confronts an architect in the planning of a building of this type.

"In this building" (the Singer Building), says the writer, "there are 136 miles of piping of various kinds; enough electric wiring (3,425 miles) to reach across the sea to the top of the Eiffel tower in Paris; steel enough to reach to Buenos Aires (7,100 miles) if made into three-quarter cable, or to build 125 Mogul locomotives, and 101 tons of sheet copper, nearly five acres in extent.

"The Singer Building, not the largest by

many, has over eight acres of terra cotta floor, and contains bricks enough (5,033,800) to pave a footpath twelve inches wide from New York to Boston. There are 13.3 miles of picture mouldings, and 47 miles of moulding on doors, windows, etc. The mortar in the masonry 14 inches wide and one inch thick (5,541 tons) would build a cement path from New York to Washington. The paint used on and in the structure (197 tons) would cover a six-foot board fence extending from New York to Springfield, Massachusetts.

"There is enough glass in the building (85,203 square feet) to make a show window six feet high on Broadway from Liberty street to Thirty-fourth street. Nearly six acres of metal laths support the plaster, and are, in turn, held firm by 50 miles of angle iron with 130 miles of wire and 110,000 bolts.

"Lamps to the extent of 278,000 candle power are installed in the building and the boilers of the power plant generate yearly 150,000,000 pounds of steam by boiling 18,000,000 gallons of water with 8,000 tons of coal. The elevator sars travel yearly a distance equal to four times the circumference of the earth."

* * *

And yet there are mortals on earth who can't see why an architect should be paid 6 per cent.

* * *

Says a Harrisburg, Pa., special of July 13th: "Fifty-six counties in Pennsylvania made 323 architectural improvements or additions to their public school house equipment during the year which ended June 30 last. The report of H. C. Richards, of Philadelphia, architect for the State Board of Education, shows that in only nine counties were no new buildings erected or improvements made to existing buildings. Richards' schedule does not include Philadelphia, but embraces the remainder of the State.

"Of the 323 operations which Richards supervised, 207 were new buildings and 116 were additions and reconstructions. Allegheny County headed the list, with 30 operations.

"The counties in which no building work was done are Bedford, Cameron, Columbia, Fulton, Montour, Perry, Potter, Snyder and Union.

"The following list shows the number of operations in each county:

"Adams, 3; Allegheny, 30; Armstrong, 7; Beaver, 5; Berks, 5; Blair, 4; Bradford, 8; Bucks, 2; Butler, 6; Cambria, 11; Carbon, 3; Centre, 4; Chester, 3; Clarion, 1; Clearfield, 5; Clinton, 1; Crawford, 3; Cumberland, 2; Dauphin, 8; Delaware, 5; Elk, 3; Erie, 4; Fayette, 17; Forest, 2; Franklin, 4; Greene, 3; Huntingdon, 2; Indiana, 5; Jefferson, 4; Juniata, 1; Lackawanna, 13; Lancaster, 7; Lawrence, 2; Lebanon, 3; Lehigh, 6; Luzerne, 2; Lycoming, 2; McKean, 3; Mercer, 3; Mifflin, 1; Monroe, 3; Montgomery, 9; Northampton, 9; Northumberland, 1; Pike, 1; Schuylkill, 12; Somerset, 11; Sullivan, 2; Susquehanna, 4; Tioga, 1; Venango, 4; Warren, 3; Washington, 13; Wayne, 1; Westmoreland, 17; Wyoming, 1; York, 7."

Mr. A. D. Hamlin, of Columbia University, has a deserved tribute in the pages of the "San Francisco Architect and Engineer" to Mr. William Robert Ware, organizer of the first American School of Architecture, who died at Milton, Mass., in June.

"To Prof. William Robert Ware, who died at his home in Milton, Mass., on Wednesday, June 9th, in his eighty-fourth year," remarks Mr. Hamlin, "the profession of architecture in the United States owes an incalculable debt, which those who have grown gray in the practice appreciate as the younger generation of architects cannot. For the older men among us have memories reaching back to a time when our art, and our profession were struggling for public recognition under conditions inconceivable to our younger colleagues; and we know how fundamental and how far-reaching in its influence was the part played by Professor Ware in lifting architecture out of the slough and setting it upon the road of intellectual and artistic progress.

"He was the organizer of the first American School of Architecture—that of the Massachusetts Institute of Technology in 1866—and later of the school of Columbia University (1881), and was for thirty-nine years the most conspicuous and widely known of all educators in this field. He was one of the first and most persistent agitators for the reform of architectural competitions, and conducted, or was adviser for, a greater number of these than any other architect, especially during the period 1880-1900. In these labors he contributed not only to the reform of the procedure and conduct of competitions, but also to the education of architects and public alike in those ethical-professional principles the disregard of which has given rise to so many notorious scandals. On one or two occasions his open-hearted trust in the fundamental honesty of mankind was imposed upon, to his infinite surprise and grief; but in general he was eminently successful, and it is safe to say that it was he who laid the foundations on which the American Institute of Architects has built up its efficient regulation of competition-practice. Called upon repeatedly as consultant in important architectural enterprises, he always exerted his influence for the support and enhancement of the highest standards, while his extensive correspondence with an extraordinarily wide circle of acquaintances among architects provided another channel, invisible to the public, for the exertion and extension of this influence. Professor Ware was one of the earliest members of the Institute of Architects, which he joined as Associate in 1859, becoming a Fellow in 1864, and through this connection, as well as through the two schools of which he was the organizer and head, he came to know nearly every noted architect in the country.

"In the actual work of architectural design and practice, his contribution was secondary to his educational and personal activities; one instinctively thinks first, in this field, of such names as Richard M. Hunt, H. H. Richardson, and Charles F. McKim, who exerted a tremendous influence on the pro-

gress of architectural design in America directly through their works with the late Henry Van Brunt, was done between 1865 and 1880, before the modern movement in American architecture was fully under way. It was an educator that his greatest work was accomplished. To him, more than to any other man, are due the form and direction which the professional training of architects has taken in this country. This is not to disparage the labors and influence of other great teachers and agencies; but Professor Ware was the pioneer, and first at the great school in Boston from 1866 to 1880, and then at Columbia from 1881 to 1903, he organized schools, framed curricula, and formulated principles and ideals which, in whole or in part, in essence or in detail, have afforded models which nearly all other American schools have been glad to follow.

"In all these labors he stood always for the highest standards of liberal education, believing that the architect should be trained to think as well as to draw, to design with the mind as well as with eye and hand, to have ideas as well as express them; to be acquainted with the great monuments, ideals, and men of the past and the forces and movements which produced them, as well as with the latest products of the Ecole des Beaux-Arts. He was a sturdy believer in American architecture as destined to stand on its own feet and follow its own path, assimilating without servile imitation what was best in modern European ideas, as well as in the great historic past of the art. He himself represented the fine flower of New England culture; he was the son of a distinguished Unitarian divine, was educated at Harvard (College and Lawrence Scientific School), studied his profession under Richard M. Hunt, traveled extensively, was long a member and the active secretary of the Archaeological Institute of America, was an omnivorous reader, and an intellectual inspiration to all who came in contact with him.

"To the great host of his former pupils and associates Professor Ware's memory will undoubtedly be chiefly precious by reason of this broadly sympathetic personality. He was less a pedagogue than an inspirer of men. His lectures were often rambling and discursive; they were never reduced to writing and followed no carefully prepared syllabus. But they were full of suggestion, mind-openers, breaking windows, as it were, in the walls of his subject, through which the student glimpsed other and wider fields of knowledge. Philosophy, ethics, religion, literature, history, educational theory, in these and many other subjects he awakened new interest, and many a student has him to thank for revealing a world about him to whose beauty and majesty he would otherwise have been blind while treading the humdrum path of professional routine.

"Professor Ware was never married. The great stores of affection of his tender and unselfish heart found their outlet in friendships of a peculiarly warm and devoted character, not only with men of his own generation, but also with young men, whether his pupils or junior associates, to whom he was a father, a

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



brother, a counsellor, a comforter, and a welcome companion. To all this host his death has come as a personal affliction, an irreparable loss. It is not likely that there will ever arise another to occupy a position precisely like his, to do a work like his, or to leave behind him in the profession a memory so fragrant, or the record of a life and career endeared to so many as the record and memory of this strong but most gentle, pure, and lovable personality."

Miscellaneous Construction News

Garage, Wilmington, Del. Architects, De Armond, Ashmead & Bickley, 618 Chestnut st., Philadelphia. Owner, A. B. DeArmond, Hagley, Wilmington, Del. Hollow tile or brick and stucco, 1½ stories, 29x25 feet, shingle roof, gasoline storage, cement floors. Plans in progress.

Real Estate Building, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Perpetual Savings and Loan Association, Wilmington, Del. Tapestry brick and limestone, 3½ stories, 20x60 feet, slag roof, steam heating, electric lighting, tile work, oak floors, metal lath, dampproofing. Architect has received bids.

Theatres and Stores, Wilmington, Del. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Wilmington Amusement Co., care R. Topkis & Son, 420 Market street, Wilmington, Del. Brick and terra cotta, concrete and steel, fireproof, 4 stories, 64x210 feet, composition roof, metal lath, iron stairs, fire doors, marble and mosaic work, reinforcing bars, waterproofing, (plumbing, heating and electric work reserved). Architects taking bids due August 4th. Smith-Hardicon Co., 1606 Cherry street, and J. A. Bader Co., Dupont Building, Wilmington, Del., are figuring.

Club House (alt. and add.), Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Knights

of Columbus, No. 195 Council, care Matthew B. Murphy, Wilmington, Del. Brick, stone trimmings, 3 stories, 38x60 feet, slate and tin

roof, hot air heating, electric lighting, tile work, hardwood floors. Plans completed. Architect ready for bids.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

H. F. Hartwig (O), 7403 J street. Cost, \$6,400. Four dwellings, brick and stone, 2 stories, 14x39 feet, 7420-22-24-26 K street.

Gerhard Estate (O), Overbrook, Pa. Alfred James (C), Bala, Pa. Cost, \$8,500. Residence, hollow tile, 3 stories, 39x38 feet, Fifty-sixth and Overbrook avenue.

Franklin Trust Co. (O), Fifteenth and Market streets. Edw. Stonehill (C), 6325 Race street. Cost, \$9,600. Eight dwellings, brick, 2 stories, 15x26 feet, Fletcher and Moyer streets.

Alexander Ferguson (O), 1800 South Fifty-sixth street. Cost, \$152,00. Eighty dwellings, brick, 2 stories, 16x33 feet, Fifty-seventh and Hunter streets.

W. H. Yorke (O), 5246 Market street. M. Raidman (C), 5944 Walnut street. Cost, \$25,000. Five stores and dwellings, brick, 3 stories, 15x63 feet, Fifty-third and Market streets.

Frank X. King (O), Broad and Montgomery avenue. Cost, \$112,000. Twenty-eight dwellings, brick, 2 stories, 16x58 feet, Fifteenth and Lindley streets.

Mary B. Savary (O), 429 West Johnson street. Moore & Graham (C), 6224 Wissahickon street. Cost, \$7,300. Dwelling, stone, 3 stories, 24x56 feet, 429 West Johnson street.

George A. Mahn (O), 2736 Girard avenue. Cost, \$60,950. Twenty-seven dwellings, brick, 2 stories, 16x52 feet, Twenty-ninth and Oxford streets.

John J. Hyrley (O), 503 East Monastery avenue. Cost, \$5,000. Two dwellings, brick, 2 stories, 15x42 feet, Ridge and Monastery avenues.

David Berg Distilling Co. (O), Delaware avenue and Tasker street. Smith-Hardicon Co., (C), 1606 Cherry street. Cost, \$8,200. Distilling house, brick and concrete, 4 stories, 25x32 feet, Swanson and Tasker streets.

Morris Feldman (O), 410 McKean street.

Cost, \$27,800. Ten stores and dwellings, A street and Allegheny avenue.

Mark Hallen (O), 2123 South Fourth street. Cost, \$52,600. Twenty-six stores and dwellings, brick, 2 stories, 15x50 feet, Third and Porter streets.

Frank D. Williams (O), 1838 West Venango street. Cost, \$15,000. Five dwellings, brick, 2 stories, 15x50 feet, Seventeenth and Butler streets.

Thomas Martin (O), Terrace street. Keller Bros. (C), 480 Harmon road. Cost, \$6,200. Two dwellings, stone and brick, 2 stories, 15x64 street, Ridge avenue and Osborne street.

Clarence Campbell (O), 618 Tusculum street. Cost, \$5,600. Two dwellings, brick, 2 stories, 16x37 feet, Bingham and Levick streets.

Lewis Ahlers (O), 4433 Salmon street. Cost, \$5,600. Four dwellings, brick, 2 stories, 14x42 feet, Miller and LeFevre streets.

Frank D. Williams (O), 1838 West Venango street. Cost, \$24,000. Eight dwellings, brick, 2 stories, 15x49 feet, Seventeenth and Butler streets.

John C. McClatchey (O), Land Title Building. Cost, \$15,000. Two dwellings, stone, 3 stories, 37x30 feet, Carpenter street and Lincoln Drive.

Frank Kerr (O), 6110 Girard avenue. Warren E. Biscoe (C), 3759 Ludlow street. Cost, \$3,600. Brick, 2 stories, 50x86 feet, Sixty-first and Girard avenue.

Kensington Realty Co. (O), 3044 North Twenty-third street. Cost, \$17,600. Eight dwellings, brick, 2 stories, 14x39 feet, Airdrie and Kensington avenue.

C. B. Sands (O), 4709 North Front street. Cost, \$2,000. Residence, brick and stone, 2 stories, 30x106 feet, Front and Venango sts.

Rev. E. F. Prendergast (O), Eighteenth and Race streets. Melody & Keating (C), Drexel Building. Cost, \$4,000. Dwelling, brick, 2 stories, 21x36 feet, 1703 Spring street.

Alterations and Additions

G. W. Chance (O), 1116 Harrison Building. John N. Gill Co. (C), 1213 Filbert street. Cost, \$2,600. Building, 2725 North Broad street.

Joseph H. Thomas (O), 1625 Arch street. H. G. Hammer (C), Glenside, Pa. Cost, \$700. Dwelling, 1625 Arch street.

Rev. E. F. Prendergast (O), Eighteenth and Race streets. Melody & Keating (C), 1218 Chestnut street. Cost, \$7,000. Dwelling, 1702 Summer street.

J. S. Greasley (O), 3713 Woodland avenue. Harry R. Rust (C), 19 South Eighth street. Cost, \$750. Restaurant, 3657 Woodland avenue.

Rosoro Lalicato (O), 2227 North Front street. M. Morrison (C), 2322 Howard street. Cost, \$1,100. Dwelling, 2221 North Front street.

St. David's P. E. Church (O), Dupont street, Manayunk. W. H. Eddleman & Sons (C), 453 Green lane, Roxborough. Cost, \$545. Church, Dupont street and Baker street.

Rev. E. F. Prendergast (O), Eighteenth and Race streets. Melody & Keating (C), Chestnut street. Cost, \$4,000. Dwelling, 912 South Forty-seventh street.

George Engel (O), 2423 Germantown avenue. Cost, \$1,200. Plumbing shop, 2424 Cadwalader street.

P. Gormly (O), Norristown, Pa. P. Gormly (C), 155 North Tenth street. Cost, \$820. Garage, 1316-18 Mount Vernon street.

Passavant Bros. (O), 220 S. Fortieth street. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$4,000. Garage, 220 South Fortieth street.

Mrs. C. Haggarty (O), 512 Woodland terrace. Joseph F. Myers, Jr., Co. (C), 1237 Ridge avenue. Cost, \$500. Residence, 512 South Woodland terrace.

T. Tolands (O), Front and South streets. C. A. Ligate (C), 322 North Gross street. Cost, \$500. Saloon, Front and South streets.

William P. Bement (O), 3817 Spruce street. F. L. Hoover & Sons (C), 1923 Cherry street.

Cost, \$6,600. Dwellings, 3817 Spruce street. M. Rosenthal (O), 1010 Locust street. Krakover (C), 731 Parrish street. Cost, \$650. Store and dwelling, 1304 Ridge avenue.

Estate of Herman Keller (O), 1703 Tioga street. Mills & England Co. (C), 1124 Washington avenue. Cost, \$1,600. Store, 2632 Germantown avenue.

Phoebe Clemens (O), 8212 Seminole avenue. L. A. Dunkelberger (C), 711 East Herman street. Cost, \$1,500. Garage, 8212 Seminole street.

Thomas Peck (O), 18-20 North Eleventh street. Drehman Paving Co. (C), 2623 Parrish street. Cost, \$1,600. Saloon, 18 and 20 North Eleventh street.

Adam Scheidt (O), Ninth and Girard avenue. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$800. Saloon and dwelling, Third and Indiana avenue.

M. M. Sladkin (O), 827 Arch street. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$5,000. Store and warehouse, 593 Market street.

Mrs. Margaret H. Thomas (O), Bryn Mawr, Pa. William E. Dougherty (O), 1610 Sansom street. Cost, \$1,500. Dwelling, 241 South Eighteenth street.

M. Deitsch (O), 5208 Market street. Harry Miller (C), 427 Catherine street. Cost, \$2,800. Store, 5310 Market street.

John Gaoss (O), 5431 Germantown avenue. E. A. Heener (C), 6361 Jefferson street, Ger-

mantown. Cost, \$1,650. Dwelling, Duval and McCallum streets.

John F. Betz & Sons (O), Crown and Callowhill streets. J. M. Conen (C), Laurel Springs, N. J. Cost, \$540. Saloon and dwelling, 927 South Sixth street.

T. Herman Vetterlein (O), 6327 Drexel road. John A. Thompson (C), 1529 Filbert street. Cost, \$750. Dwelling, 6327 Drexel road.

American Pulley Co. (O), 4200 Wissahickon avenue. P. Haibach Cont. Co. (C), 2530 Thompson street. Cost, \$700. Vault, 4200 Wissahickon avenue.

Manufacturers' Club (O), Broad and Walnut street. F. L. Hoover & Sons (C), 1023 Cherry street. Cost, \$8,000. Club house, Broad and Walnut streets.

Port Richmond M. E. Church (O), Indiana avenue and Thompson street. F. L. Hoover & Sons (C), 1023 Cherry street. Cost, \$1,000. Church, Indiana avenue and Thompson street.

Charles Merklung (O), 7207 State road, Tacony. Edward Ruben (C), 2632 West Cumberland street. Cost, \$1,250. Dwelling, 7209 State road, Tacony, Philadelphia.

Frank P. Gysi (O), 3325 North Fifteenth street. John A. Codori (C), 1235 Arch street. Cost, \$1,200. Dwelling, 3325 North Fifteenth street.

Home for Deaf Children (O), Bala, Pa. Elfreth & Wood (C), 1708 Sansom street. Cost, \$1,150. School, Belmont and Monument avenues, Bala, Pa.

various cities within the last few years and immediately allowed to fall into the limbo of supposedly impracticable projects, have brought home to the city planning experts the futility of too general recommendations; and we find many of them to-day including quite a definitely drawn park plans as a part of their recommendations. Such well-meant effort on the part of others than competent landscape designers is questionable, however; for, although many civic experts have had sufficient academic training in design to enable them to prepare park plans, after a fashion, those who are not architects would never acquiesce in the comparable task of submitting detailed designs for the buildings about proposed civic centers. Exactly as the landscape architect, though capable in a general way of advising civic boards on the design of their city, cannot rate with the civic expert who by special training and research has fitted himself to undertake such work, the civic advisor should not expect to undertake actual park design without training in the subject.

"Architects, likewise, who may have been successful in general civic architecture, and have achieved some special distinction in the composition of civic groups, frequently set themselves up as city planners. Cities should hesitate in accepting their advice on problems of park design except in its architectural aspect. A reputable architect appreciates that his point of view is prone to be disproportionately architectural, and hesitates to prepare park plans without the association of a competent landscape designer; and the architect who poses as capable in all lines is usually a Jack-of-all-trades, capable in none. Due to the unexpectedness with which the demand for civic planning has come upon America, a temporary lack of special trained men has occurred, with the result that candidates from all the allied professions have aspired to present themselves as qualified for the remodeling of the city. And we read in a recent book: 'To secure the best results in city planning, a competent civil engineer should be placed in charge of the work and be given sufficient time to make a thorough study of the city and its needs from an expert point of view. He should evolve plans which will meet its requirements and enable it to develop along the best lines.'

"In the confusion of the present moment, therefore, when men of all professions, including occasional nurserymen, are presenting themselves as civic experts capable of designing or re-designing entire cities, the parks which are the forerunners and forecasters of city design are apt to fall a prey to the first man 'on the job.' It behooves the cities, therefore, to guard against incompetence in this respect, for a park thus designed is worse than one not designed at all; a design executed, no matter how execrable it may be, is rarely changed. The second recommendation, therefore, is that parks shall be considered as demanding attention beyond that accorded them in civic expert reports, but on the other

A WARNING FOR WOULD-BE CITY PLANNERS

Architects and engineers prone to try their hand at city planning will find food for thought in Mr. George Burnap's article on "Park Design and City Planning" in "The American City Magazine" for June. Landscape architecture is undoubtedly as highly a specialized province as that of architecture or civil engineering, and the following taken from this article seems timely:

"In view of the importance park design bears to city building, and in order to put the subject in concrete form for the consideration of city officials, the following recommendations are submitted:

"First. That the park development be regarded not as incidental to, but commensurate with, city planning. Although fundamentally park design is but a part of city planning and should be subordinate to it, actual practice shows the two to be mutually dependent. City planning projects are rarely inaugurated until a certain degree of interest has been aroused by means of park work. Cities or towns having acquired a taste for parks, frequently in the desire for additional parks, find themselves launched on a campaign for city planning—a reasonable sequence. It is proper, therefore, inasmuch as proposed city projects are the result of a previously existing appreciation of parks, that this initial means of instilling interest should be fostered. In a campaign for city development or city beautification, a certain generous per cent. of the fund raised for that purpose should be devoted to the development of already existing and proposed parks, with the intent of making some immediate display as a means of encour-

agement. A few parks completed, which may be pointed out as the first result of the city planning campaigns will serve as a powerful aid in soliciting further contributions to the cause. Instead of expending all available moneys for the staking out of the main lines of the new city plan, it will often be found to be more prudent, even if somewhat more expensive in the long run, to devote a portion of the moneys to some development which may be enjoyed by the present generation; and the parks are usually one feature which may be commenced in accordance with the lines of the 'big scheme' which will aid and not jeopardize its final accomplishment. A simultaneous advancement of city planning and park building is recommended.

The Type of Expert Service Needed.

"The second recommendation is that adequate attention be given to the designing of parks. The reports of civic experts and civic advisers usually are concerned with the very broad aspect of the locating of parks, and their recommendations are general ones relating to the acquisition of sites. When the estimable advice of the expert has been followed and the several potential park tracts have been purchased in accordance with a mapped-out plan of the future park system, the city administrators find themselves in a quandary as to the next step, and often discover that what appeared to be a very comprehensive report, and even one of much detail, was in reality merely a point de depart.

"The large number of ably prepared city planning reports enthusiastically published by

hand shall be protected against the many incompetents desiring the opportunity of 'developing' them."

A DICTIONARY OF FAMILIAR TRADE TERMS.

A Few "Definitions" Not Found in the "Century" or "Webster's Unabridged," But as Often Understood by the Home Builder.

Architect.—A man who never puts closets and windows where you want them.

Nails.—Little pieces of wire, or steel, chopped into conveniently short lengths for baby to bite on. Used extensively by carpenters to sprinkle over the ground.

Shingles.—Flat surfaces of nice, smooth boards cut thin. Used, when sliced, by neighbors as kindling wood.

Carpenter.—A gentleman of uncouth appearance, who stains neat, white pine planks with tobacco juice; is always stopping to eat his lunch and who "strikes" just before the roof is put on.

Saw.—Instrument, with teeth, used to cut the right timber into the wrong lengths.

Masonry.—Expensive stuff upon which to rest the house—Outer "skin" of the cellar. Dam used to hold water in basement when it rains.

Plans.—Diagrams of the way you do not want the house.

"Extras."—What the building is really made of.

Water Boy.—A small chap, carrying a bucket half filled with saw-dust and water, who is always on hand when you are not thirsty.

Sawdust.—Practically all of a two-by-four, except a half dozen knot-holes.

Hardware.—House jewelry.

Keys.—Little jiggers a locksmith is compelled to bring in a hurry because the originals were lost.

Laborer.—One who stands back and silently admires what somebody else has done.

"Needing Completion."—The situation from the time the job is started until you decide to sell the place.

Contractor.—Twentieth Century "Pirate." A gentleman of shrewd cunning who always makes more than a legitimate profit. (Sometimes known as a "Boaccontractor.")

Wife.—Female person who changes her ideas every time she sees the plans.

Bills.—Something which never stop coming.

Sash.—Bandages for holes in side of house.

Brick.—Little pieces of red earth, in convenient shape to break when dumped from wagon.

Mortar.—Long box of damp, soggy material mixed up for benefit of all children in vicinity—What mason squeezes out from between bricks after he has taken the trouble to put it there.

Hammer.—Instrument of torture used extensively for purpose of crushing fingers.

Trees.—Leafy, green ornaments which must always and invariably be cut down on your property, before building, no matter where they are.

Knothole.—What they send instead of timber.

Sash Cord.—Wash lines at double the price.

Sash Weight.—Inside decoration.

Putty.—Carpenter's Dough. An article found one year later, in wasteful wads, beneath the back porch chairs.

Laths.—Equivalent to bones in a shad. Long, slender planks, which permit most of expensive plaster to ooze through and out of sight.

Plaster.—Ingredient employed as a floor-dressing.

Lime.—What a plasterer puts on his face.

Chimney.—Arrangement for drawing smoke down and into rooms.

Trowel.—Irish tablespoon.

Attic.—Part of house never quite completed.

Wainscoting.—Space used by painters for practicing.

Painter.—Artisan who suggests that green wouldn't be a bad color for shutters.

Pergola.—Where contractor makes his velvet.

Kitchen.—A place where the bone of contention is cooked.

Plumber.—Chap who tears down and rips out everything as soon as it's completed. (See Brigand.)

Varnish.—Preparation for covering up defects.

Door.—Big piece of wood opening the wrong way.

Roof.—The one part of a house upon which no two people agree.

Staircase.—Device for musing up proper arrangements of rooms.

Nightwatchman.—Sound sleeper—human machine for speedily removing all firewood and wood blocks.

Saw-Horse.—Convenient place for workmen to sit.

Chisel.—Excuse for grind-stone.—W. Livingston Larned in "The Building Age."

SPACE FOR A SMILE.

NOT FOREMAN ON THAT JOB.

The new foreman was a hustler. Nothing escaped his eagle eye, and whenever he saw a workman suffering from a tired feeling he quickly woke him up.

So when he discovered a bricklayer snatching a quiet pipe behind a wheelbarrow his wrath arose mightily.

"What do you think you're paid for? Get on with your job, if you don't want to get fired pretty sharp."

"All right, boss," rejoined the workman. "Keep your 'air on. Rome wasn't built in a day, you know."

"That may be," rejoined the hustler, "but I wasn't foreman of that job."

* * *

AN OMISSION.

Mr. Wilkerson, the architect, had been invited down to the Clarks to display the plans of Clark's new house to some guests.

"Here is the front elevation," explained the architect, as he laid the plans on the

library table for the inspection of the visitors, "with the outside window and the circular gallery; this is the east elevation, showing the tower."

After various comments had been made by the guests, little Arthur, aged seven, who was enormously interested in the new house, cried: "And where are the two mortgages father said he was going to put on?"

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers 'stick' year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, August 2, 1915.—Sealed proposals will be opened in this office at 3 P. M. on September 2, 1915, for the construction, complete (including mechanical equipment, lighting fixtures, and grading), of the storage barracks and storehouse for the United States quarantine station at Portland, Me. The main building is two stories and basement, of 6,400 square feet ground area, and the storehouse is one story, without basement, of 1,100 square feet ground area. Both buildings are brick faced and of fireproof construction, except roofs, which are of plank on steel framings and have slate covering. Drawings and specifications may be obtained from the custodian at the quarantine station or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.
S. B. Dobbs, 1218 Chestnut st.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Aaolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ransstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cabinet Work.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Cement.

Alpha Portland Cement Co.,
Harrison Bldg., Phila., and Easton, Pa.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., and Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Payne & Scammell, Land Title Bldg., Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Tubular Heating and Ventilating Co.,
232 Quarry st., Phila.

Abram Cox Stove Co.,

American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,

American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.

Metal Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.

and 627 Market st., Phila.

Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Office Partitions.

Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Painting.

R. J. Carriek, 2016 Ransstead St., Phila.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Liberty Stove Co., 114 N. 2nd st., Phila.

J. Reynolds & Son, 1615 Filbert st., Phila.

Reinforcing Fabric.

Payne & Scammell, Land Title Bldg., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.

Phila. Mineral Flooring Co., 5632 Summer st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th st., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Star Work.

O. M. Weber Co., North Wales, Pa.

Steel Ceilings.

The Sagendorph Co., 131 S. 24th st., Phila.
Weiss Bros. Mfg. Co., 450 N. 12th st., Phila.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

S. B. Dobbs, Bailey Bldg., Phila.
O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo,"

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility," Frank C. Gillingham & Son Co.,

Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,

1927 Montgomery ave., Phila.

Pullman Metal Weather Strip Co., York, Pa.

Window Screens.

S. B. MacDowell & Son,

1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

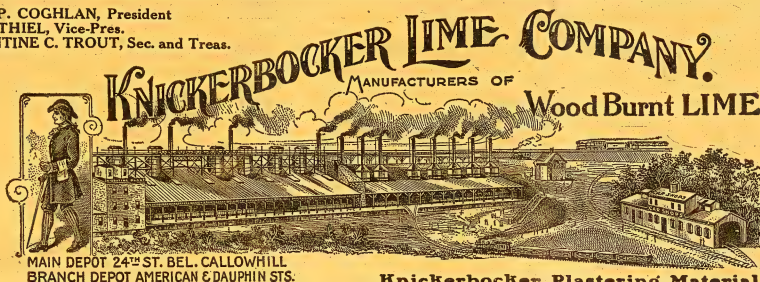
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

PHILADELPHIA
WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.
221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 32.

PHILADELPHIA, WEDNESDAY, AUGUST 11, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924

Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

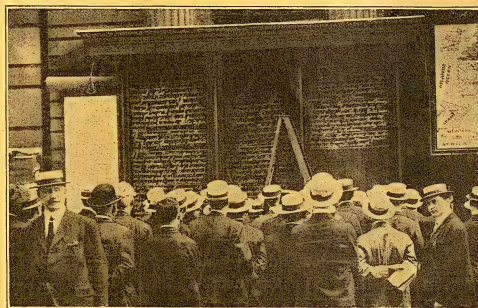
5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

ANCHOR POST IRON WORKS

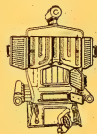
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The **PIERCE-SCHMIDT CO. Inc.**
BULLETIN BUILDING, PHILA., PA.

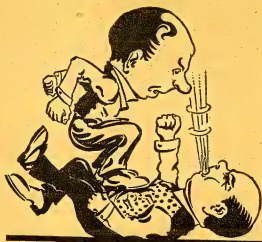
== MILLS ==



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our ³represent-
atives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO. Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Audubon Wire Cloth Co., Inc.**AUDUBON, N. J.**

Announce their succeeding the
Strawbridge & Chase Co.
 OF PHILADELPHIA, PA.

Emphasizing the fact of no change
 in management or conduct
 of the business

We wish further to let our friends and customers
 know of our increased facilities, new initiative
 and increased endeavors to give prompt delivery,
 service and low figures consistent with the quality
 of our products.

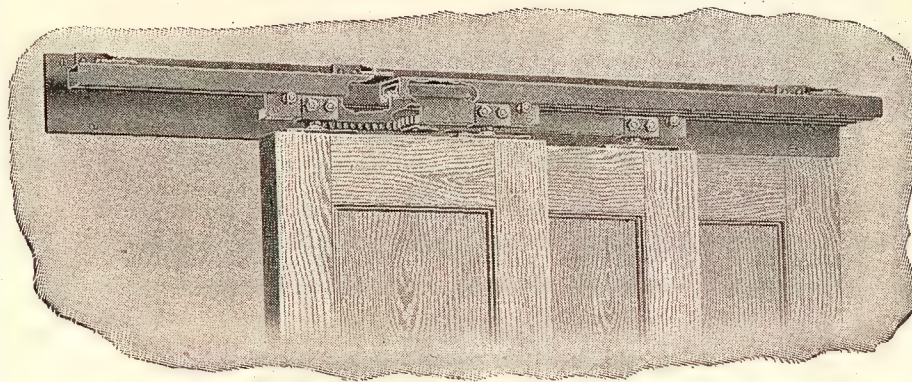
Audubon Wire Cloth Co., Inc.

Manufacturers of

Wire Cloth in Brass, Copper, Steel and Galvanized
 Wire Screening, Sieves and Window Guards

AUTO TRUCK DELIVERING DAILY IN PHILADELPHIA, PA.

IDEAL Elevator Hanger



IDEAL in Name and Action
 "And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of
 efficiency in composition
 flooring has been ob-
 tained in Leatherfloor.
 It is fire-proof, water-
 proof, dust-proof, germ
 and vermin-proof, noise-
 less, non-slipping, flexible,
 elastic and inexpensive.

Leatherfloor is admirably
 adapted for floors, base and
 wainscoting, in Hospitals, Asylums, Schools, Churches,
 Libraries, Theatres, Hotels, Restaurants, Apartment Houses,
 Factories, Stores, Banks, Steamships, Yachts, Railroad Cars,
 Etc. wherever a smooth, sanitary, fire and water-proof flooring
 is desired.

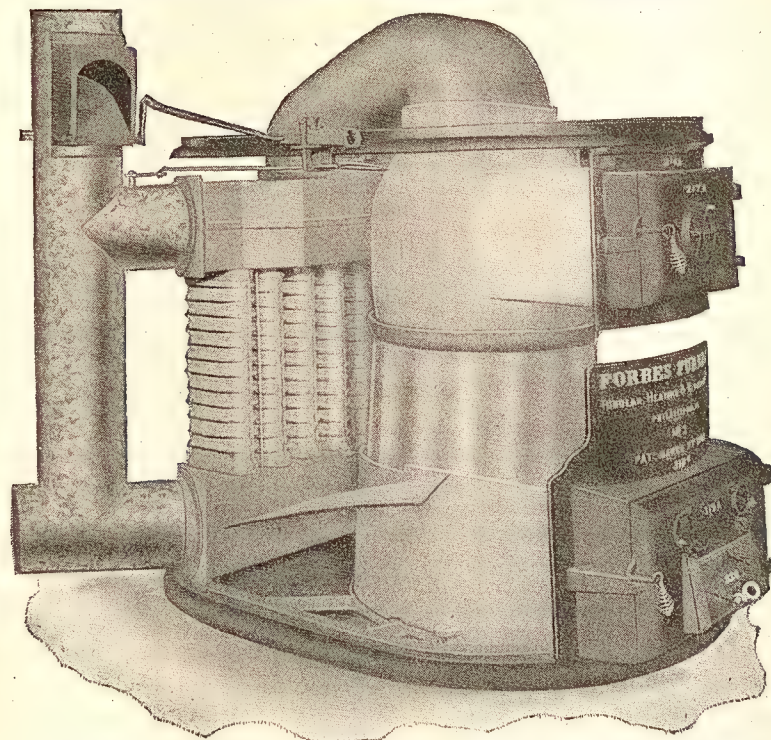
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

HOT AIR The Healthiest Heat



THE FORBES FURNACE

insures a warm house with a
 minimum consumption of coal.

Made entirely of cast iron. Absolutely gas-tight. Simple in construction.
 Easy to regulate. Quick to respond.

Illustrated Catalog showing construction, install-
 ations and satisfied users mailed on request.

TUBULAR HEATING AND VENTILATING CO.

232 Quarry Street, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous. The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER

WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers
 Drawing Materials, Engineering Supplies
MAIN HOUSE AND FACTORY: PHILADELPHIA
 Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.
 1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON
 WORK
 CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel. Keep out Dust.
 Afford Protection against Drafts.
 Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.
 S. B. MAC DOWELL & SON, Representatives
 1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 32.

PHILADELPHIA, WEDNESDAY, AUGUST 11, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Warehouse, Filbert and American streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, J. D. Litt, Eighth and Market streets, Philadelphia. Brick and reinforced concrete, 4 stories, 75x165 feet, slag roof, (plumbing, heating, electric work and elevators reserved). Architects taking bids, due August 12th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Wm. R. Dougherty, 1610 Sansom street; Cramp & Co., Denekla Building; Irwin & Leighton, 126 N. Twelfth street; Geo. F. Payne & Co., 401 S. Juniper street; Ketcham & McQuade, 1029 Brown street, Philadelphia.

Factory (add.), East Tioga and D streets, Philadelphia, \$7,000. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Brighton Worsted Co., on premises. Brick, 2 stories, 60x43 feet, slag roof, steam heating, electric lighting. Plans in progress.

Coal Pockets, Sixth and Clearfield streets, Philadelphia. Architect, private plans. Owners, Fairhill Coal Co., on premises. Reinforced concrete and steel, 275 feet long. Owners have received bids.

Hospital Building, Fifty-third and Cedar avenue, Philadelphia, \$250,000. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, the Misericordia Hospital, care Sisters of Mercy, eMrion, Pa. Brick, stone and steel and concrete, fireproof, 7 stories, 50x200 feet, power house, 1 story, promenade tile roof, concrete fireproofing, metal lath, tile and marble work, (heating, plumbing, electric work and elevators reserved). Architects taking bids, due August 17th. The following are figuring: Doyle & Co., 1519 Sansom street; Wm. R. Dougherty, 1610 Sansom street; John McShain, 1610 North street; Edward Fay & Son, 2 S. Mole street; Sutton & Stephenson, 1317 Washington avenue; Ketcham & McQuade, 1029 Brown street; Fidelity Const. Co., Heed Building; Cramp & Co., Denekla Building; Wm. J. McShane, 417 S. Thirteenth street; J. J. Murphy, 4034 Powelton avenue; M. L. Conneen & Co., 2015 Cuthbert street; Jacob Myers & Sons Co., Witherspoon Building; H. E. Baton, Twelfth and Sansom streets; I. T. Shoemaker,

1309 Walnut street; Melody & Keating, Bailey Building; Frank G. Stewart, 1619 Sansom st.; Charles Gilpin, Harrison Building; E. E. Hollenback, Fifteenth and Race streets, all of Philadelphia.

Garage (add.), Island road and Woodland avenue, \$2,000. Architect, private plans. Owners, Fels & Co., Seventy-second and Woodland avenue, Philadelphia. Brick and concrete, 2 stories, 34x63 feet. Owners are subletting all contracts.

Armory, Thirty-second and Lancaster avenue, Philadelphia, \$75,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Major Deming, Harrisburg, Pa. Stone, brick, concrete and steel, fireproof, 2 stories, slag roof, steam heating, electric lighting. Plans completed. Owners will advertise for bids in one week.

Garage (add.), Sixteenth, below Cayuga st., Philadelphia. Architect, private plans. Owners, J. D. and S. Haas, 4340 North Sixteenth street, Philadelphia. Brick, 1 story, 48x34 feet, slag roof, cement floors, (electric work reserved). Owners desire bids. Builders to furnish their own plans.

Garage, 1410 North Broad street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, Felt Bros., care Locust Theatre Co., Fifty-second and Locust streets, Philadelphia. Brick and limestone, 2 stories, 37x200 feet, slag roof, steam heating, electric lighting, gasoline storage system. Plans in progress. Architects will take bids in about ten days.

Garage, 115 W. Seymour street, Germantown. Architects, Hennon & Boyle, 10 S. Eighteenth street, Philadelphia. Owners, architects. Brick, 1 story, 18x15 feet, slag roof, hot water heating, cement floors. Architects taking bids. John McShain, 1610 North street, is figuring (only bidder).

Residence and Garage, St. Martins, Philadelphia, \$20,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Wm. N. Morice, southeast corner Water and Tasker streets, Philadelphia. Stone, 2½ stories. Details not decided. Plans in pro-

gress. Architects will take bids in two or three weeks.

Office Building (alts.), southeast corner Third and Walnut streets, Philadelphia. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owners, Insurance Co. of North America, 232 Walnut street, Philadelphia. Brick and stone, 4 stories, consists of new fire tower and interior alterations, metal lath, tin roof, metal windows, electric lighting. Architects have received bids.

Theatre, Store and Apartments, Fifty-sixth and Pine streets, Philadelphia. Architect, Walter W. Sharpley, 328 Chestnut street, Philadelphia. Owners, name withheld. Brick, terra cotta, concrete and steel, 2 stories, 140x72 feet, slag roof, dampproofing and waterproofing, reinforcing bars, tile and terrazzo work, steam heating, electric lighting, metal lath. Architect has received bids.

Storage Building, Twenty-fifth and Hunting Park avenue, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Edward G. Budd Mfg. Co., on premises. Steel and corrugated iron, 1 story, 163x15 feet, corrugated iron roof, steel sash. Architects have received bids.

Bridge, Whitby avenue, over Phila. & B. C. R. R. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall, Philadelphia. Steel superstructure, concrete abutments, 80 feet wide, over 4 tracks. Lowest bidder, F. J. Boas, 201 N. Broad street, Philadelphia, \$35,000.

Hospital (adds.), 1234 North Fifty-fourth street, Philadelphia, \$100,000. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, West Phila. General Homeopathic Hospital and Dispensary, on premises. Brick, terra cotta, reinforced concrete and steel, fireproof, 2 stories, 40x170 feet, 2 wings, 17x27 feet each, slag roof, steel sash, tile and terrazzo floors, (heating and electric work reserved). Architects taking bids, due August 16th. Metzger & Fisher, Denekla Building, Philadelphia; Sinclair & Driscoll, Weightman Building; J. Richard Jackson, Perry Building, are figuring, in addition to those previously reported.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

**BLUE
PRINTS**

KEYSTONE PHONE, MAIN 497

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and
Texture resembles Maple.

Worked $1\frac{3}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ "
face. End matched, hollow
backed, and bored for secret
nailing.

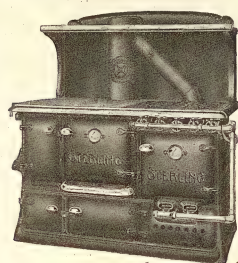
Longer lengths, better grade
and will cover more floor space
than any other Hardwood
Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take
you to inspect WACCAMAW GUM
WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS
Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one
occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Store and Offices, Eighteenth street, below
Market street, Philadelphia. Architect, Paul
A. Davis, 1713 Sanson street, Philadelphia.
Owner, J. C. Fuller, 10 South Eighteenth st.,
Philadelphia. Indiana limestone, 2 stories,
25x16 feet, slag roof, steam heating, electric
lighting. Plans in progress. Architect will
take bids in about two weeks.

Residences (6), Sedgwick, Philadelphia,
\$90,000. Architect, private plans. Owner, A.
S. Tourison, 7014 Boyer street, Philadelphia.
Stone and stone and plaster, $2\frac{1}{2}$ stories, slate
and tile roofing, hot water heating, electric
lighting, oak floors, tile work. Owner is tak-
ing sub-bids on all lines, due August 6th.

School (alts), Huntington street, east of
Twenty-eighth street, Philadelphia. Archi-
tect, J. Horace Cook, Land Title Building,
Philadelphia. Owners, Board of Education,
Stock Exchange Building, Philadelphia. Cons-
ists of general interior alterations, carpenter
work, plastering, iron work, stone work, (heat-
ing separate bids). Owners taking bids, due
August 12th, at 1.30 P. M. H. E. Baton,
Twelfth and Sanson streets, and Mitchell
Bros., 2125 Race street, Philadelphia, are fig-
uring.

Convenience Station, Vernon Park, German-
town. Architect, Louis E. Marie, City Hall,
Philadelphia. Owners, City of Philadelphia,
Department of Public Works, M. L. Cooke,
Director, City Hall, Philadelphia. Stone and
frame, 1 story, 17x36 feet, ready roofing,
waterproofing, reinforcing bars, promenade
tile floors, safety treads, proposal bond, (hot
water heating, plumbing, electric work sepa-
rate bids). Owners taking bids, due August
13th, at noon. The following are figuring:
Peoples Bros., Commercial Trust Building;
F. A. Havens & Co., 845 North Nineteenth
street; James Connor, 1317 Arch street;
Mitchel Bros., 2125 Race street; J. H. Jordan,
Thirty-first and Oxford streets; Wm. J.
Gruhler Co., 219 E. High street; Wm. Munday,
228 S. Alder street; Edw. Fay & Son, 2 S.
Mole street, Philadelphia.

Bridge, Front street, over Municipal Hospi-
tal drive, Philadelphia. Engineer, George S.
Webster, City Hall. Owners, City of Phila-
delphia, Department of Public Works, City
Hall, Philadelphia. Reinforced concrete, 24
feet opening under 80 feet street. Lowest
bidder, Philadelphia Paving Co., 1345 Arch
street, Philadelphia, \$10,500.

Garage and Chauffeurs' Quarters, Newtown
Square, Pa. Architects, Druckenmiller & Wil-
liams, Land Title Building, Philadelphia.
Owner, Chariton Yarnall, Franklin Bank Build-
ing, Philadelphia. Stone and hollow tile,
56x40 feet, 2 wings, 20x55 feet, 1 and 2 stories,
shingle and slag roofs, electric lighting.
Builders J. S. Cornell & Sons, Land Title Build-
ing, Philadelphia, are taking sub-bids.

Store Building (alts), northwest corner
Ninth and Market streets, Philadelphia.
Architects, Sauer & Hahn, 1112 Chestnut st.,
Philadelphia. Owner, H. Kerstine, 3813 N.
Seventeenth street, Philadelphia. Brick, 4
stories, consists of new store fronts and in-
terior alterations, metal lath, tile and marble
work, oak floors, electric lighting. Architects
taking bids, due August 13th. The following
are figuring: Lam Building Co., 1001 Wood
street; Smith-Hardican Co., 1606 Cherry st.;
George Hogg, 1634 Sanson street; Frank I.
Wintz, 1618 North Twenty-seventh street;
Frank G. Stewart, 1619 Sanson street; Stacy
Reeves & Sons, 2011 Market street, all of
Philadelphia.

Warehouse, American, above Diamond st.,
Philadelphia. Architect, M. Ward Eashy,
Crozer Building, Philadelphia. Owners, John
Scott & Co., Inc., on premises. Brick, 4 sto-
ries, 48x122 feet, slag roof, metal windows,
(elevator reserved). Owners taking bids, due
August 9th. The following are figuring: J.
Richard Jackson, Perry Building; Harry
Brooklehurst, 512 W. Norris street; Stewart
Bros., 2526 N. Orkney street; H. H. Weh-
meyer, 1004 W. Lehigh avenue; McIver Const.
Co., Heed Building, Philadelphia.

Factory Buildings, Krams ave. and Pechin
street, Philadelphia. Architects, Wm. Steele
& Sons Co., 1600 Arch street, Philadelphia.
Owners, Bennett & Aspden Co., Baker street
and Leverington avenue. Brick, steel and
concrete, main building, 4 stories, 64x225 feet,
dye house, 1 story, 119x48 feet, finishing build-
ing, 4 stories, 60x106 feet, power house, 1
story, 40x50 feet, asbestos and asphalt roofs,
dampproofing and waterproofing, reinforcing
bars, iron stairs, safety treads, steel sash, fire
doors, steel rolling doors, metal lath. (heating
and electric work reserved). Builders Wm.
Steele & Sons Co., 1600 Arch street, taking
sub-bids on all lines.

Sunday School, Fifty-third and Chestnut
streets, Philadelphia, \$30,000. Architects,

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, St. Matthew's M. E. Church, Rev. Richard Radcliffe, Fifty-third and Sansom streets, Philadelphia. Stone, 2 stories, 60x70 feet, slate roof, vapor vacuum heating, electric lighting, wire lath. Architects taking bids, due August 16th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; Alex. Chambley, 243 South Tenth street; E. E. Hollenback, Fifteenth and Race streets; Sinclair & Driscoll, Weightman Building; Burd P. Evans Co., Thirteenth and Wallace streets; F. E. Wallace, 1220 Chancellor street; F. H. Keiser & Co., Pottstown, Pa.

Hospital (add.), 1234 North Fifty-fourth st., Philadelphia, \$100,000. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, West Phila. General Homeopathic Hospital and Dispensary, on premises. Brick, terra cotta, reinforced concrete and steel, fireproofing, 2 stories, 40x170 feet, (2) wings, 17x27 feet each, slag roof, steel sash, tile work, (heating and electric work reserved). Architects taking bids, due August 16th. Sinclair & Driscoll, Weightman Building, and J. Richard Jackson, Perry Building, are figuring, in addition to those previously reported.

Residences (92), Darien and Huntingdon Park avenue, Philadelphia. Architect, private plans. Owner, C. A. Schuler, 4152 N. Eighth street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heating. Plans about completed. Owner will take sub-bids in a few days.

Home (add.), 235-237 Delancey street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Jewish Sheltering Home for Homeless and Aged, 315 South Third street, Philadelphia. Brick, 3 stories, 30x80 feet, slag roof, steam heating, electric lighting. Plans in progress.

Packing Plant (add.), 4142 Germantown avenue, Philadelphia. Architect, C. B. Comstock, 110 W. Fortieth street, New York City. Owners, John J. Felin & Co., Inc., on premises. Brick and reinforced concrete, 6 stories, 60x100 feet, slag roof, reinforcing bars, waterproofing, electric lighting. Owners taking bids, due August 16th. The following are figuring: A. R. Raff, 1635 Thompson street; H. C. Rea Co., 1027 Wood street; Fidelity Const. Co., Heed Building; Chas. McCaul Co., 1713 Sansom street; ramp & o., Denckla Building; H. E. Baton, Twelfth and Sansom streets.

Loft Building, 315 to 19 Arch street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Reinforced concrete, terra cotta and brick, 7 stories, 65x124 feet and 32x54 feet, slag roof, steel sash, dampproofing and waterproofing, (heating, plumbing, electric work and elevators separate bids). Architects taking bids, due August 19th. The following are figuring: Wm. Steele & Sons Co., 1600 Arch street; A. R. Raff, 1635 Thompson street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; Fidelity Const. Co., Heed Building; Roddyhouse-Arey Co., Fidelity Building; Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; Doyle & Co., 1519 Sansom street; H. E. Baton, Twelfth and Sansom sts.; Frank G. Stewart, 1619 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; George Kessler Contracting Co., Drexel Building; Metzger & Fisher, Denckla Building, Philadelphia.

Factory, Cottman and Keystone streets. Architect, Bart Tourison, Land Title Building,

Philadelphia. Owners, L. H. Gilmer Co., 52 North Seventh street, Philadelphia. Reinforced concrete, 2 stories, 50x174 feet, slag roof, steam heating, electric lighting, steel sash. Architect taking sub-bids on all lines.

High School (alts.), High street, Germantown. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange Building, Philadelphia. Consists of new fixtures, cabinet work, tile work (plumbing, heating and electric work separate bids). Owners taking bids, due August 12th, at 1.30 P. M. The following are figuring: William Christy & Son, 1614 McKean street; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; G. Winneberger & Son, 252 South Third street; W. W. Anstine & Co., 1218 Filbert street; John E. Sjöström Co., Tenth and Columbia avenue; F. D. Kramer Co., Third and Cumberland streets.

School (alts.), Twenty-eighth and Huntingdon streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Stock Exchange, Philadelphia. Consists of general interior alterations, carpenter work, plastering, iron work (heating separate bids). Owners taking bids, due August 12th, at 1.30 P. M. The following are figuring: W. W. Anstine & Co., 1218 Filbert street; H. E. Baton, Twelfth and Sansom streets; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; A. Wilt & Son, 723 North Front street; John H. Jordan, Thirty-first and Oxford streets; James Connor, 1317 Arch street, Philadelphia.

Store and Residence (alt. and add.), 5729 Woodland avenue, Philadelphia. Architect, private plans. Owner, James J. Brady, on premises. Brick, 1 story addition, slag roof, electric lighting, tile work, metal ceilings. Builder, D. F. Wholey, 1109 West Indiana avenue, is taking sub-bids on all lines.

Convenience Station, Vernon Park, Germantown. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Stone and frame, 1 story, 17x36 feet, ready roofing, waterproofing, reinforcing bars, promenade tile floors, safety treads, proposal bond (heating, plumbing, electric work separate bids). Owners taking bids, due August 13th, at noon. The following are figuring, in addition to those previously reported: Murphy & Co., 263 South Tenth street; I. A. Dunkelberger, 71 East Herman street; Monaghan & Losse, 214 South Twelfth street; E. C. Durell, 1713 North Twenty-fourth street; W. W. Anstine & Co., 1218 Filbert street; Charles T. Grosz, 3435 Chestnut street; F. Roe Searing, Perry Building; Frank Mark Contracting Co., 2820 North Twenty-first street; Abel Bottoms & Sons Co., 41 South Fifteenth street; J. H. Walter, 168 East Walnut lane.

Pumping Station (alts.), Belmont Station, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Bureau of Water, Room 701, City Hall, Philadelphia. Consists of new roof and sash for fan and tank house, slag roof, structural steel sash. Owners taking bids, due August 12th. W. W. Anstine & Co., 1218 Filbert street, are figuring, in addition to those previously reported.

Residences (120), Larchwood avenue, Fifty-eighth to Sixtieth street. Architect, private plans. Owners, Gorman & Marshall, Fifty-second and Arch streets. Brick, 2 stories,

THE FAIRBANKS CO.

PHILADELPHIA

VALVES
AND
SCALESLet Us Make Your Home
Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

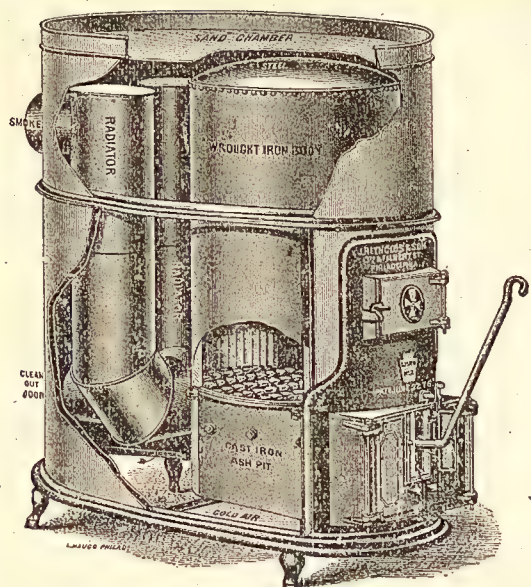
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

The modern device for connecting portable gas appliances such as reading lamps, desk or piano lamps, portable gas heating stoves, chafing dishes, gas irons, etc. from the wall, baseboard or floor is by the use of the Conceal-o-Plate.

Owners or tenants will appreciate one in the bathroom, bedroom, living room, library, dining room and kitchen.

Call up the "Builders and Operators Division" for further information.

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

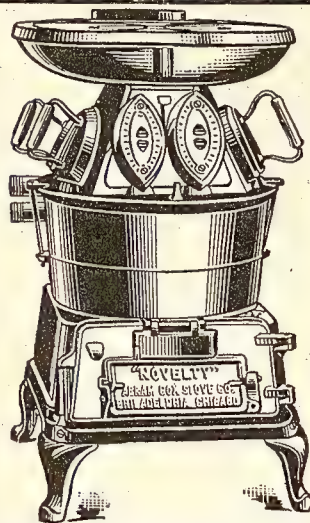
**THE UNITED GAS
IMPROVEMENT COMPANY**

Rough Cypress Lumber

Will be Sold at Special Prices

EDWARD J. CLARK
747 S. 60th Street, Philadelphia
Bell Phone

15x40 feet each, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Owners will soon take sub-bids.



"NOVELTY REMINDERS"

THE NEW "NOVELTY" LAUNDRY STOVE

Answers the Growing Demand of House Buyers
in the Most Practical and Efficient Way.

It will Supply AMPLE HOT WATER AT ALL TIMES at a Cost of Cn'y a Few Cents a Day; and in addition will also Heat Eight Irons on the Side and a Large Wash Boiler on the Top.

Write for Literature and See Why it is the Most Efficient
Appliance of its Kind

Manufactured by
ABRAM COX STOVE CO.
EXHIBIT AT BUILDERS' EXCHANGE American and Dauphin Sts.

Residence and Garage, B street, below Loney street, Philadelphia. Architect, Albert N. Dobbins, 1212 Wayne avenue. Owner, J. S. Milne, 441 West Lehigh avenue, Philadelphia. Stone, 2 stories, 24x41 feet; wing, 18x15 feet; garage, 1 story, 18x16 feet, shingle roof, tile work (heating and electric work reserved). Architect taking bids, due August 13th. The following are figuring: Stewart Bros., 2526 North Orkney street; Joseph Ashly, 7920 Oxford avenue; Barnes Bros., 1449 West Loudon street; Samuel Eckert, 4650 Paul street.

Residence (alt. and add.), Chestnut and Norwood avenues. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, M. F. Hanson, 515 East Sedgwick street. Stone, 2½ stories, slag roof, metal lath, tile work, composition flooring, oak floors (plumbing, heating and electric work reserved). Revised plans in progress.

Ice Storage House, Marshall road and Coobs Creek. Engineers, Pennsylvania Engineering Co., 1119 North Howard street. Owners, Western Ice Manufacturing Co., 1119 North Howard street. Frame, reinforced concrete foundations, 1 story, 50x50 feet and 30x10 feet, slag roof, reinforcing bars. Engineers taking bids, due August 16th. The following are figuring: George Hogg, 1634 Sansom street; Metzger &

Fisher, Denckla Building; Ketcham & McQuade, 1029 Brown street; F. G. Stewart, 1619 Sansom street; E. E. Hollenback, Fifteenth and Race streets; H. E. Baton, Twelfth and Sansom streets; Herman Voigt, Twenty-eighth and Girard avenue; P. Haiback Contracting Co., Twenty-sixth and Thompson streets; Freund-Siedenback Co., Bulletin Building; Sinclair & Driscoll, Weightman Building; Pomeroy Const. Co., 1609 Ranstead street.

Residences (26), Third and Ashdale streets, Philadelphia. Architect, private plans. Owner, William B. Davenport, 1346 Kerbaugh street. Brick, 2 stories, slag roof, hot water heating. Work about to be started.

Stores (11), southwest corner of Broad and Girard avenue, Philadelphia. Architect, private plans. Owners, John F. Betz Estate, 415 Callowhill street, Philadelphia. Brick, 2 stories, 90x58 feet and 96x45 feet, slag roof, steam heating, electric lighting, tile work. Builder, John McShain, 1610 North street, is taking sub-bids on all lines.

Show Rooms (alt.), Broad and Arch streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, United Gas Improvement Co., on premises. Consists of remodeling first floor for show rooms. Plans in progress. Architect will soon take bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Immigrant Station, etc., foot of Reed street, Philadelphia, \$82,339. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Consists of building Immigration Station on Pier 53, offices, repair shops, etc., brick, 1 story, 25x12 feet, 18x12 feet, 36x18 feet, 36x31 feet, 69x24 feet, slag and tin roofs, hot air heaters, steam heating, electric lighting, composition floors, proposal bond. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Engine House, Wheat Sheaf lane and Gaul street, Philadelphia, \$9,000. Architect, private plans. Owners, F. W. Tunnell & Co., 15 North Fifteenth street, Philadelphia. Brick and steel, 1 story, 78x32 feet, cement tile roof, metal frames and sash. Contract awarded to A. Whitehead, Inc., 1624 Latimer street, Philadelphia.

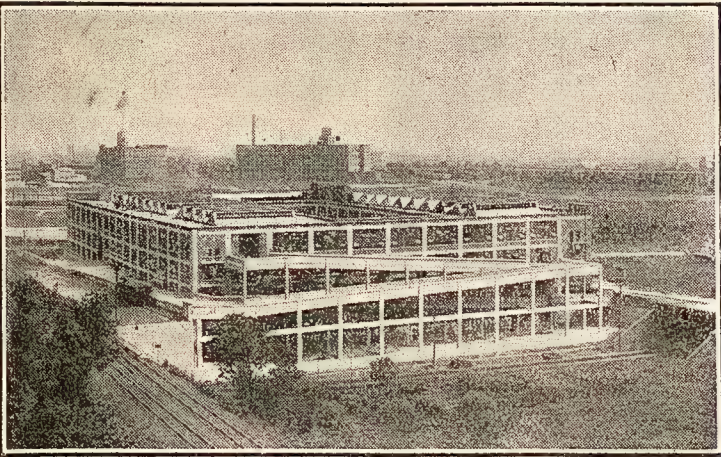
Factory, A and Courtland streets, Philadelphia, \$8,000. Architect, J. P. Klinges, 1012 Walnut street, Philadelphia. Owner, John Graf, 1001 Hamilton street, Philadelphia. Brick, 1 story, 134x42 feet, slag roof, steam heating, (electric work reserved). Contract awarded to Geo. Kessler Contracting Co., Drexel Building, Philadelphia.

Garage, 1411 to 1417 Spring Garden street, Philadelphia, \$16,000. Architect, private plans. Owner, R. Wistar Harvey, 125 South Fifth street, Philadelphia. Brick and steel, 1 story, 70x171 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to James Johnston, 1721 Ludlow street, Philadelphia.

Garage, 1315-17 Wood street, Philadelphia, \$2,500. Architect, private plans. Owner, Harry T. Saunders, 31 South Eighteenth st., Philadelphia. Brick, 1 story, 24x30 feet, slag roof, cement floors. Contract awarded to Herman Voigt, 1218 North Twenty-eighth street, Philadelphia.

Residence (alts.), Evergreen and Stenton avenues, \$12,000. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owners, Episcopal City Mission, care Rev. H. L. Duhring, 325 South Third street, Philadelphia. Stone, 3 stories, consists of remodeling residence for hospital, and connecting corridors, slate roof, composition floors, (heating, plumbing and electric work reserved). Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Prisons (alts. and add.), Holmesburg and Tenth and Reed streets. Architect, Philip H.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work

Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prisons, Board of Inspectors of the Phila. County Prisons, Tenth and Reed streets, Philadelphia. Stone, steel and concrete, Hospital Building, 2 stories, 36x43 feet, Ward Building, 1 story, 184x27 feet, also alterations to present concrete floors, reinforcing bars, enameled bricks, dampproofing, (heating, plumbing, electric work and mechanical plant separate bids). Contract for Holmesburg Prison awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia, \$88,870. Contract for Tenth and Reed Prison awarded to Thomas Reilly, 1618 Thompson street, Philadelphia, \$23,959.

Garage, 3521-23 North Smedley street, Philadelphia, \$1,400. Architect, private plans. Owner, Edward B. Webster, 3525 N. Smedley street, Philadelphia. Brick, 1 story, 18x51 feet. Contract awarded to John Schuster, 3552 North Fifteenth street, Philadelphia.

Toilet Building, Girard College grounds, Philadelphia. Architect, James H. Windrim, Commonwealth Building, Philadelphia. Owners, Girard Estate, Lafayette Building, Philadelphia. Brick and concrete, 1 story, 187x22 feet, slate roof, waterproofing, electric lighting, hot water heating, reinforcing bars, tile work. Contract awarded to A. Raymond Raff, 1635 Thompson street, Philadelphia.

Hall and Garage, Twenty-third and Moore streets, Philadelphia. Architect, Frank P. Dillon, 1323 South Twentieth street, Philadel-

phia. Owner, John Scanlon, Twenty-third and McKean streets, Philadelphia. Brick, 2 stories, 61x12 feet, 98x109 feet, slag roof, electric lighting, hot water heating, coil storage system. Contract awarded to John Uber, 2230 S. Beechwood street, Philadelphia, who is taking sub-bids on all lines.

Store and Apartments, Broad and Rockland streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Louis & Benjamin Fox, 4910 North Broad street, Philadelphia. Brick, 3 stories, 32x69 feet, tile and slag roof, hot water heating, electric lighting, tile work, parquet floors, metal lath. Contract awarded to Seidman & Getz, 1312 North Sixth street.

Store (alts.), northeast corner of Thirteenth and Chestnut streets, Philadelphia. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owner, Godfrey S. Mahn, northeast corner of Eleventh and Chestnut streets. Consists of new bulk windows and interior alterations, electric lighting, steam heating (marble work, metal ceilings and fixtures reserved). Contract awarded to H. R. Rust, 724 Ludlow street.

Club House (alts.), 239 South Camac street, \$2,500. Architect, Charles Barton Keen, Bailey Building. Owners, Poor Richard Club, on premises. Brick, 2 stories. Consists of interior alterations. Contract awarded to George Kessler Contracting Co., Drexel Building.

PENNSYLVANIA

Construction News

School Building (alts.), Willow Grove, Pa., \$5,000. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Board of Education, Willow Grove, Pa. Brick and stone, 2 stories, (heating, plumbing and electric work separate bids). Owners have received bids.

Residence, Noble, Pa., \$18,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Frank D. Williams, De Long Building, Thirteenth and Chestnut sts.,

Philadelphia. Stone, 2½ stories, 33x60 feet, shingle roof, hot water heating, oak floors, tile work, electric lighting. Owner is taking sub-bids on all lines.

Residence, Moylan, Pa. Architect, Thomas B. Lippincott, 34 South Seventeenth street, Philadelphia. Owner, J. Passmore Elkinton, 121 South Third street, Philadelphia. Hollow tile and stucco, 2½ stories, 54x27 feet, wing 10x16 feet, shingle or slate roof, hot air or hot water heating, electric lighting, oak floors.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



Does Your
Roof Leak?

Tin and Slag
Roofing
HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

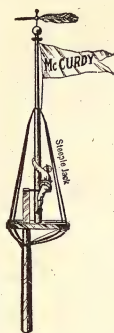
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished

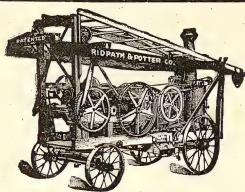
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

Plans about completed. Architect will take bids in a few days.

Store and Apartments, Chester, Pa. Architect, private plans. Owners, Sweeney & Clyde, Chester, Pa. Brick, 2 stories, 20x10 feet, slag roof, steam heating, electric lighting. Owners taking bids, due August 12th. George Hoog, 1634 Sansom street, Philadelphia, is figuring (only bidder).

Ammunition Buildings, Fort Mifflin, Pa. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Brick, concrete and steel, consists of Shell house, 1 story, 50x200 feet, Fixed Ammunition Storehouse, 50x100 feet, Magazine Building, 50x100 feet, and extension to reforming plant, 60x40 feet, gravel and asbestos roofs, metal covered doors, steel sash, reinforcing bars. Owners taking bids, due August 21st, at 11 A. M. James H. Walls, Heed Building, Philadelphia, is figuring. Plans may be obtained at office of Commandant, Navy Yard, Philadelphia.

Residence, Wallingford, Pa. \$10,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Herbert Fulweiler, 4355 Chestnut street, Philadelphia. Brick, 2½ stories, 60x26 feet, slate or shingle roof, electric lighting. Plans in progress.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

School Building, Gap, Pa. \$25,000. Architect, C. Emlen Urban, Woolworth Building, Lancaster, Pa. Owners, Board of Education, Gap, Pa. Brick, 2 stories, 60x88 feet, slag roof, (heating, plumbing and electric work separate bids). Owners have received bids.

Residence, Grantley, Pa. \$5,000. Architect, John B. Hamme, West Building, York, Pa. Owner, F. S. Elliott, Belvidere and Linden avenues, York, Pa. Hollow tile and stucco, 2 stories, 63x35 feet, slate or shingle roof, steam or vapor heating, electric lighting, tile work, hardwood floors, metal lath. Owner is taking sub-bids.

Residence and Garage, Merion, Pa. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owner, John F. Braun, Real Estate Trust Building, Philadelphia. Stone, 2½ stories, 60x117 feet, tile or slate roof, heating not decided, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in about one month.

Residence, Morton, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Mrs. N. G. O'Hara, Morton, Pa. Frame, 2½ stories, 35x30 feet, shingle roof, steam heating, electric lighting. Architect taking bids, due August 14th. The following are figuring: F. B. Davis, 5100 Westminster avenue; J. Howard Roberts, Lansdowne, Pa.; Herbert M. Walton, Moylan, Pa., and M. T. Ackerman, Swarthmore, Pa.

Picture Theatre, Reading, Pa. \$5,000. Architect, Calvin J. Young, 520 Washington st., Reading, Pa. Owners, Harry J. Whitman and Sampson E. King, Reading, Pa. Brick and stucco, 1 story, 100x33 feet, sla groof, steam heating, electric lighting. Architect has received bids.

School Building, Lebanon, Pa. \$150,000. Architect, A. A. Ritcher, Sixth and Court sts., Reading, Pa. Owners, Board of Education, John Selzer, Chm. Bldg. Com. Lebanon. Brick, 2½ stories, 180x180 feet, tile roof, indirect steam fan system of heating, electric lighting, waterproofing and dampproofing, slate blackboards. Plans in progress. Owners will advertise for bids in about three weeks.

Bungalow, Belmont, Pa. \$3,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Fred W. Shippe, Reading, Pa. Brick, 1½ stories, 34x30 feet, slate roof. Owner is taking sub-bids.

Residence, Ardmore, Pa. \$15,000. Architects (Assoc.), Frank Seeburger and Charles F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Granville B. Hopkins, Ardmore, Pa. Stone, 2½ stories, 31x60 feet, wing 29x29 feet, shingle roof, hot water heating, electric lighting, tile work, oak floors, dampproofing. Architects taking bids, due August 12th.

The following are figuring: E. J. Hedden, Finance Building; John E. Kearney, 327 N. Sixty-third street; Milton W. Young, Overbrook, Pa.; Stokes Bros., 6723 Musgrave st.; Alfred James, Pala, Pa.; Frank H. Mahan, Ardmore, Pa.

Garage, Haverford, Pa. Architect, H. Brooks Price, 105 W. Fortieth street, New York City. Owner, Dr. Archibald G. Thomson, New Stock Exchange Building, Philadelphia. Hollow tile and stucco, 2 stories, 34x90 feet, slate roof, hot water heating, electric lighting, dampproofing. Architect has received bids.

Garage, Elkins Park, Pa. Architects, Druckmiller & Williams, Land Title Building, Philadelphia. Owner, J. M. Herr, Elkins Park, Pa. Hollow tile and plaster, 1 story, 20x28 feet, tile roof, electric lighting, hot water heating. Architect taking bids. Builders Specht & Sperry, Heed Building, Philadelphia, are taking bids.

School, Highland Park, Pa. \$50,000. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owners, Board of Education, here J. M. Lutz, secretary, Lancaster, Pa. Stone, 2½ stories, 100x137 feet, slate roof, (heating, plumbing and electric work separate bids). Owners taking revised bids, due August 16th, at 7.30 P. M. The following are figuring: Mitchell Bros., 2125 Race street; Loos & Dohard, Commercial Trust Building; D. J. McNamee, 1623 North Fifteenth street; F. T. Mercer Co., 1706 Delancey street, and Sutton Stephenson, 1317 Washington avenue, Philadelphia.

Double Residence, Williamsport, Pa. \$5,500. Architect, F. A. Reinhard, 360 Market street, Williamsport, Pa. Owner's name withheld. Brick, 2½ stories, 40x50 feet, slate roof, hot air heating, electric lighting, hardwood floors. Plans in progress.

Bungalow, Muncy, Pa. \$4,000. Architect, F. A. Reinhard, 360 Market street, Williamsport, Pa. Owner's name withheld. Stone and shingle, 1½ stories, 30x40 feet, shingle roof, vapor heating, electric lighting, hardwood and tile floors. Plans in progress.

Double Residence, Williamsport, Pa. \$4,500. Architect, F. A. Reinhard, 360 Market street, Williamsport, Pa. Owner's name withheld. Brick, 2½ stories, 40x40 feet, slate roof, hot air heating, electric lighting, hardwood floors. Plans in progress.

Residence, Carlisle, Pa. \$25,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Guy H. Davies, Esq., Carlisle, Pa. Brick, 2½ stories. Preliminary plans in progress.

Residence, Huntingdon, Pa. \$18,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Thomas F. Bailey, Huntingdon, Pa. Brick, 2½ stories, 32x100 feet, slate

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.

or tile roof, steam heating, combination lighting, tile and hardwood floors. Plans completed. Ready for bids.

Ammunition Buildings, Fort Mifflin, Pa. Architect, private plans. Owners, U. S. Government, Bureau of Rards and Docks, Washington, D. C. Brick, concrete and steel, consists of shell house, 1 story, 50x200 feet; fixed ammunition storehouse, 50x100 feet; magazine building, 50x100 feet, and extension to reforming plant, 60x40 feet, gravel and asbestos roofs, metal covered doors, steel sash, reinforcing bars. Owners taking bids, due August 21st, at 11 A. M. In addition to those previously reported, Edward Fay & Sons, 2 South Mole street, and Charles Giffin, Harrison Building, Philadelphia, are figuring.

Residence, Haverford, Pa. Architects, Bissell, Sinkler & Tilden, Bailey Building, Philadelphia. Owner, J. Bedford French, Haverford, Pa. Brick, 2½ stories, 42x29 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Builders, Elfreth & Wood, 1708 Sansom street, Philadelphia, taking sub-bids on all lines, due August 11th.

Play House, Oreland, Pa. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, A. C. Harrison, Drexel Building, Philadelphia. Logs and stone, 1 story, 19x29 feet, shingle roof (plumbing reserved). Architects taking bids, due August 13th. The following are figuring: Specht & Sperry, Heed Building; Frank E. Wallace, 1220 Chancellor street; William H. Carr, 3911 Germantown avenue, Philadelphia; W. John Stevens, Wynnote, Pa.

Sewers, Chester, Pa. Engineer, private plans. Owners, City of Chester, Joseph Messick, Jr., Superintendent of Street, City Hall, Chester, Pa. Terra cotta pipe, various streets. Owners are taking bids, due August 16th, at 10 A. M.

Residence, St. Davids, Pa. Architect, H. Bartol Register, 1012 Walnut street, Philadelphia. Owner, Charles Henry Scott, Jr., Land

Title Building, Philadelphia. Hollow tile and plaster, 2½ stories, 29x62 feet, shingle roof, hot air heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in about two weeks.

Residence (alt.), Haverford, Pa. Architects, C. Wharton Churchfan & E. J. Holmes Co., 1311 Walnut street, Philadelphia. Owner, C. A. Hagen, Haverford, Pa. Frame, consists of new porch and interior alterations, shingle roof, hot water heating, electric lighting (tile work reserved). Architects taking bids, due August 10th. The following are figuring: Frank G. Stewart, 1619 Sansom street; James B. Flounders, 1329 Arch street; J. Norton Warner, Bryn Mawr, Pa.; George L. Croll, Bryn Mawr, Pa.

School Building (alt. and add.), Huntingdon Valley, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Board of Education, Huntingdon Valley, Pa. Stone, 3 stories, 57x84 feet, slate roof (heating, plumbing, electric work separate bids). Owners taking bids, due August 19th. Specht & Sperry, Heed Building, Philadelphia, are figuring.

Factory Buildings, Reading, Pa. Architects, Lockwood Greene & Co., 60 Federal street, Boston, Mass. Owners, Joseph Bancroft & Sons Co., Reading, Pa., and Wilmington, Del. Brick, reinforced concrete and steel. Mill building, 3 stories, 169x145 feet; picker building, 1 story, 53x105 feet; slag roofs, reinforcing bars, metal lath, safety treads, steel sash (heating, electric work, elevators reserved). Architects taking bids, due August 16th. Cramp & Co., Denckla Building, Philadelphia, are figuring.

Apartment Houses (5), Lebanon, Pa. Architect, George H. Boyer, Lebanon, Pa. Owner, C. H. George, Lebanon, Pa. Brick, 3 stories, slate asphalt shingles and tin roofs, hot water heating, electric lighting, metal lath, tile work. Architect taking bids. F. Roe Searing, Perry Building, Philadelphia, is figuring.

PENNSYLVANIA Contracts Awarded

Store Building (alt. and add.), Lancaster, Pa., \$4,000. Architect, H. M. Bartholomew, 39 E. Grant street, Lancaster, Pa. Owner, Hampton Carpenter & Co., South Duke street, Lancaster, Pa. Brick, 2½ stories, 18x90 feet, slag roof, steam heating, electric lighting. Contract awarded to L. V. Wright, 144 East Vine street, Lancaster, Pa.

Private Hospital, Lancaster, Pa., \$15,000. Architect, H. M. Bartholomew, 39 E. Grant st., Lancaster, Pa. Owner, Dr. H. R. Powers, Prince and Chestnut streets, Lancaster, Pa. Brick, 4½ stories, 18x86 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors, metal lath, concrete stairs, elevator, dumb-waiter. Contract awarded to L. V. Wright, 144 East Vine street, Lancaster, Pa.

Residence, Cynwyd, Pa., \$12,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, W. E. Lonergan, Cynwyd, Pa. Stone, 2½ stories, 18x66 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to P. J. Lawler, Bala, Pa.

Sub-Station, Edgelyne, Pa. Architect, J. H. Windrim, Commonwealth Building, Philadelphia. Owners, Beacon Light Co., 515 Market street, Chester, Pa. Hollow tile and concrete, 1 story, 28x35 feet, slag roof, reinforcing bars. Contract awarded to Pomeroy Const. Co., 1609 Ransdell street, Philadelphia.

Residence (alts.), Beth Ayres, Pa., \$2,500. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, W.

Paul O'Neill, 328 Walnut street, Philadelphia. Stone, 2½ stories, shingle roof, new plumbing, plastering, tile work, electric light, (hot air heat and hardwood floors reserved). Contract awarded to Harry Murphy, Willow Grove, Pa.

Residence, Paxtang, Pa., \$6,000. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owner, J. E. Rutherford, Harrisburg, Pa. Brick, 2 stories, 32x43 feet, slate roof, vapor heating, combination lighting, hardwood floors. Contract awarded to E. N. Lebo, Harrisburg, Pa.

Residence (alt.), East Fourth street, Williamsport, Pa. Architect, T. J. Litzelman, 129 West Fourth street, Williamsport, Pa. Owner, Albert Nardi, Williamsport, Pa. Consists of new plumbing, mill work, electric work and hardwood floors. Contract awarded to James V. Bennett, Williamsport, Pa.

Bungalow, Williamsport, Pa., \$6,500. Architect, T. J. Litzelman, Williamsport, Pa., 129 West Fourth street. Owner, Burton Wood, Williamsport, Pa. Stone and shingle, 1½ stories, 38x62 feet, asbestos roof, hot air heating, electric lighting, hardwood floors. Contract awarded to A. C. Everhart, Williamsport, Pa.

Factory (alts.), Thurlow, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Thurlow Worsted Mills, Thurlow, Pa. Brick and steel and concrete, 2 and 3 stories, slag roof, steam heating, fire doors, steel doors. Contract awarded to A. L. Fretz & Sons, 1222 Chancellor street, Philadelphia.

School Building (alts.), Willow Grove, Pa., \$5,000. Architect, Harry Panker, Drexel Building, Philadelphia. Owners, Board of Education, Willow Grove, Pa. Brick and stone, 2 stories (heating, plumbing and electric work separate bids). Contract awarded to Henry Specht, Jr., Willow Grove, Pa.

New Jersey Construction News

Department Store (add.), 1816 to 1820 Atlantic avenue, Atlantic City. Architect, private plans. Owner, George Kelly, 624 Market street, Philadelphia. Brick, 3 stories, 54x90 feet, slag roof, (steam heating, plumbing, and electric work reserved). Owner has received bids.

Factory, Ninth and Bailey streets, Camden, N. J., \$30,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Wood Mfg. Co., Seventh and Erie streets, Camden, N. J. Brick, 1 story, 142x165 feet, slag roof, steel sash, (heating and electric work reserved). Architects taking bids, due August 13th. The following are figuring: Philip Hailbach Contracting Co., Twenty-sixth and Thompson streets; Ketcham & McQuade, 1029 Brown street; Pomeroy Construction Co., 1609 Ransdell street, all of Philadelphia; and Frank Turner, 828 Broadway; Wm. Wifford, 525 Market street; Barklow & Fulton, 506 Cherry street; W. W. Selby, Fifth above Erie street, all of Camden, N. J.

Residence, West Collingswood, N. J., \$4,500. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner's name withheld. Hollow tile and stucco, 2½ stories, 24x33 feet, slate roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Factory, Trenton, N. J., \$20,000. Architect, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, Thermoid Rubber Co., Trenton, N. J. Brick and steel, 2 stories, 90x191 feet, slag roof, steam heating, electric lighting, cement and wood floors. Plans in progress.

New Jersey Contracts Awarded

School (alts.), Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Woodbury, N. J. Brick, 2 stories, consists of new fire escapes, new windows and interior alterations. Contract awarded to Joseph D. Best, Woodbury, N. J.

Picture Theatre, Trenton, N. J., \$20,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, Hildinger & Lemont, 118 Factory street, Trenton, N. J. Brick, 2 stories, 125x75x25 feet, slag roof, steam heating, electric lighting. Contract awarded: Mason work, to James Morris; carpenter work, to Fred Parker, Trenton, N. J.

Church, Dunellen, N. J., \$30,000. Architect, W. P. Endebrack, American Mechanics' Building, Trenton, N. J. Owners, St. John's the Evangelist R. C. Church, Rev. Father Murphy, Dunellen, N. J. Brick and terra cotta, 1 story, 50x110 feet, slate roof, electric lighting, metal lath (heating reserved). Contract awarded to D. L. O'Keefe, Dunellen, N. J.

Service Building, Trenton, N. J., \$12,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owners, Gomery Schwartz Motor Car Co., Broad and Cherry streets, Philadelphia. Brick, 2 stories, 62x85 feet, slag roof, steam heating, electric lighting, concrete floors, steel sash. Contract

awarded to Scott & Day, Interstate Telephone Building, Trenton, N. J.

Residence, Trenton, N. J., \$6,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, R. A. Phillips,

Trenton, N. J. Hollow tile and stucco, 2½ stories, 25x36 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors. Contract awarded to William Ivins, 705 Monmouth street, Trenton, N. J.

Miscellaneous Construction News

Immigration Station, Baltimore, Md. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone, terra cotta, reinforced concrete and steel, fireproof, Hospital Building, 4 stories, 130x40 feet, Administration Building, 3 stories, 100x40 feet, Receiving and Detention Building, 2 stories, 53x150 feet, Power House and Laundry Building, 2 stories, 56x37 feet, slag, promenade tile, tin and slate roofs, reinforcing bars, safety treads, waterproofing, wire cloth, tile work, metal weather strips, (heating, plumbing, electric work, elevators separate bids). Owners taking bids, due August 16th, at 3 P. M. Irwin & Leighton, 126 North Twelfth street, Philadelphia, is figuring, in addition to those previously reported.

Hospital (add.), Farnhurst, Del., \$60,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owners, State of Delaware, Dover, Del. Brick, 3 stories, slate roof, steam heating, electric lighting. Plans about completed. Owners will advertise for bids in about two weeks.

Residence (alt. and add.), Montchanin, Delaware, \$25,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owner, R. R. M. Carpenter, Dupont Building, Wilmington, Del. Hollow tile and stucco, 2½ stories, addition 54x36 feet, tile roof, oak floors, canvas floors, reinforced concrete fireproofing, reinforcing bars, metal lath, (tile work, heating, plumbing, electric work reserved). Architect has received bids.

Residence, Centreville, Del., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Henry M. Canby, Equitable Building, Wilmington, Del. Stone, rough cast, 2½ stories, 54x33 feet, (2) wings, 26x28 feet each, shingle roof, hardwood floors, tile work, (hot water heating, electric lighting and plumbing reserved). Architect taking revised

bids, due August 11th. The following are figuring: J. E. Healy & Son, 707 Tatnall st., Wilmington, Del.; W. H. Jones, West Chester, Pa.; Milton W. Young, Overbrook, Pa., and E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Theatre and Stores, Wilmington, Del. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, Wilmington Amusement Co., care R. Topkis & Son, 420 Market street, Wilmington, Del. Brick and terra cotta, concrete and steel, fireproof, 4 stories, 64x210 feet, composition roof, metal lath, iron stairs, fire doors, marble and mosaic work, reinforcing bars, waterproofing, (plumbing, heating and electric work reserved). Contract awarded to J. A. Bader Co., Dupont Building, Wilmington, Del.

Apartment House, Washington, D. C. Architect, J. H. De Sibour, Washington, D. C. Owner, Mrs. Stanley McCormick, Washington, D. C. Brick, stone, concrete and steel, fireproof, 5 stories, 100x100 feet, slag roof, steam heating, electric lighting, elevator, tile and marble work, metal lath. Architect taking bids, due August 19th. Irwin & Leighton, 126 N. Twelfth street, Philadelphia, are figuring.

Passenger Station, Deshler, Ohio. Architect, M. A. Long, B. & O. Building, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore, Md. Brick, 1½ stories, 41x23 feet and 67x23 feet, tile roof, steam heating, safety treads, tile work, metal lath, damp-proofing. Owners taking bids, due August 14th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Club House, Middleton, Del., \$5,500. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owners, New Century Club, Middleton, Del. Hollow tile and plaster, 1½ stories, 50x70 feet, shingle roof electric lighting, hot air heating. Contract awarded to James W. Johns, Warwick, Md.

Frank Mark (O), 2820 North Twenty-first street. Cost, \$1,000. Wagon and tool storage building, Woodstock and Somerset streets.

D. Shinan (O), 4015 Nice street. A. Siemienski (C), 1634 Ruffner street. Cost, \$1,350. Dwelling, 2 stories, 15x12 feet and 16x50 feet, 4015-17 Nice street.

Edward B. Webster (O), 3525 Smedley street. John Schuster (C), 3552 North Fifteenth street. Garage, brick, 1 story, 18x51 feet. Cost, \$1,400, 3521-23 North Smedley st.

Jos. Mialkowski (O), Melrose and Margaret streets. A. H. Norgorski (C), 2416 Orthodox street. Cost, \$2,600. Dwelling, brick, 16x62 feet, Melrose and Margaret streets.

Geo. Edel (O), Hillcrest and Stenton avenues. Cost, \$17,000. Ten dwellings, brick, 2 stories, 15x28 feet, Emerald and Venango streets.

R. Golub (O), 875 North Marshall street. Cost, \$3,200. Dwelling, brick, 30x16 feet, southeast corner Seventh and Wolf streets.

Samuel Rader (O), Fifty-first and Baltimore avenue. Jos. Bobb & Co. (C), 802 E. Thayer street. Cost, \$11,025. Four stores and dwellings, 2 stories, 16x55 feet, Fifty-sixth and Pemberton streets.

Penna. R. R. Co. (O), Broad Street Station. Barclay White Co. (C), Perry Building. Cost, \$63,000. Warehouse, brick, 2 stories, 50x479 feet, Front and Federal streets.

Wm. B. Davenport (O), 1345 Kerbaugh street. Cost, \$2,200. Dwelling, brick, 2 stories, 15x40 feet, Fourth and Ashdale streets.

Harry Green (O), 1511 South Fifth street. Herman Beckershorff (C), 5156 Haverford avenue. Cost, \$4,400. Two dwellings, brick, 2 stories, 16x35 feet, southwest corner Felton and Louist streets.

Wm. F. Rafferty (O), 1918 E. Ontario street. Cost, Thirteen dwellings, brick, 2 stories, 15x28 feet, Wensley and Jasper streets.

Clark & Craighead (O), 5030 North Fifteenth street. Cost, \$16,200. Nine dwellings, brick, 2 stories, 15x38 feet, W. Opal street and Cheltenham avenue.

Wm. B. Davenport (O), 1346 Kerbaugh street. Cost, \$2,100. Dwelling, brick, 2 stories, 14x40 feet, Fourth and Ashdale streets. Cost, \$8,000. Four dwellings, brick, 14x28 feet, Fourth and Ashdale streets. Cost, \$2,100. Dwelling, brick, 2 stories, 14x40 feet, Third and Ashdale street. Cost, \$8,000. Four dwellings. Cost, \$28,000. Fourteen dwellings. Cost, \$3,000. One store and dwelling, Third and Ashdale streets.

School Lane Land Co. (O), Thirtieth and Midvale avenue. Cost, \$56,000. Residence, brick, 3 stories, 25x39 feet, Quinn and Michael streets.

Harry Saunders (O), Eighteenth and Chestnut streets. Herman Voigt (C), Twenty-eighth and Thompson streets. Cost, \$2,500. Garage, 1 story, brick, 24x30 feet, 1315-17 Wood street.

Dr. James A. Montgomery (O), 647 West View street. Thos. C. Trafford (C), 1613 Sansom street. Cost, \$4,900. Residence, brick, 3 stories, 20x27 feet, 6806 Greene street, Germantown.

Board of Education (O), Land Title Building. H. L. Brown (C), 1714 Sansom street. Cost, \$270,000. School, 3 stories, brick, concrete and terra cotta, 278x93 feet, Kensington avenue, east of Fifty-sixth street.

I. Cohen (O), 411 Reed street. Morris Freeman (C), 527 Mifflin street. Cost, \$900. Candy store, 411 Reed street.

Alterations and Additions

Geo. F. Rumpf (O), Hancock and Huntingdon street. Jacob Gaertner (C), 2214 North Third street. Cost, \$1,000. Elevator shaft, Hancock and Huntingdon streets.

Antonio Finarelli (O), 1107 Federal street.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Board of Education (O), Land Title Building. Cramp & Co. (C), Denekla Building. Cost, \$270,000. School, brick, concrete and terra cotta, 3 stories and basement, Limekiln pike and Sixty-fifth avenue.

R. S. and J. R. McConnell (O), 6109 Greenway avenue. Cost, \$3,000. Building, brick, 1 story, 50x80 feet, Sixty-first and Greenway avenue.

Frank F. Feflam (O), 1810 Rockbull street. Harry Brocklehurst (C), 512 W. Norris street. Cost, \$12,400. Garage, brick, 1 story, 56x208 feet, Broad and Hunting Park avenue.

John W. Mortimer (O), 3024 E street. Cost, \$3,600. Two dwellings, brick, 2 stories, 15x27 feet, 1950-52 Wensley street.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$38,400. Residence, (12), brick, 2 stories, 15x26 feet, 131-153 South

Fifty-third street. Cost, \$8,000. Two residences, brick and stone, 2 stories, 16x58 feet, Sixty-third and Sansom streets and Sixty-third and Walnut streets.

P. J. and J. F. Whelan (O), 1013 Lincoln Building. Cost, \$121,000. Seventy-four dwellings, brick, 2 stories, 15x45 feet, Third and Rubicon streets.

Stanislaus Kolecki (O), 3536 Mercer street. F. S. Gregorek (C), 3185 Edgemont street. Cost, \$1,400. Dwelling, brick, 2 stories, 14x28 feet, 3535 Mercer street. Cost, \$1,400, one dwelling, 2 stories, brick, 14x28 feet, 3536 E. Thompson street.

H. H. Lilbey (O), 2644 North Sixth street. Wilson Milnor (C), 4634 Penn street, Frankford, Pa. Cost, \$2,000. Bungalow, brick and frame, 2 stories, 31x120 feet, Gilham street, west of Second street pike.

L. Isenberg (C), 910 North Randolph street. Cost, \$1,200. Dwelling, 1107 Federal street.

Chas. W. Miller (O), 302 Commonwealth Building. Frank G. English (C), 1608 North Carlisle street. Cost, \$4,380. Fire repairs to baker, 2202-10 Alter street.

Felton & Sibley Co. (O), Fourth and Cherry streets. F. G. Stewart (C), 1619 Sansom street. Cost, \$2,200. Paint factory, 407-09 Cherry street.

Jas. Brown (O), 1358 South Melville street. Cost, \$1,000. Store and dwelling, 1418 South Fifty-eighth street.

Independent Elevator Co. (O), 240 Market street. H. Reusswick (C), 137 North Tenth street. Cost, \$900. Store and warehouse, 240 Market street.

Phila. Electric Co. (O), Tenth and Chestnut streets. Guarantee Const. Co. (C), 140 Cedar street, New York City. Cost, \$800. Circular reinforced concrete ash tank, Twenty-seventh and Christian streets.

University of Penna. (O), Thirty-sixth and Spruce streets. Cost, \$2,000. Interior alterations to Logan Hall.

Robt. C. Williams (O), 1913 Columbia avenue. F. G. English (C), 1608 North Carlisle street. Cost, \$1,600. Shop and dwelling, 1712-14 Uber street.

Dr. Model (O), Camac and Lindley avenue. Cost, \$1,000. Garage, Camac and Lindley avenue.

R. W. Harvey (O), 125 South Fifth street. J. Johnston (C), 1721 Ludlow street. Cost, \$16,000. Garage, 1411-17 Spring Garden street.

Board of Education (O), Land Title Building. W. W. Anstine & Co. (C), 1218 Filbert street. Cost, \$3,650. School, Twentieth and Catherine streets. Cost, \$11,697. School, Frankford avenue and Foulkrod street.

Penna. Rivet Co. (O), Eleventh and Cambria street. I. Z. Kriebel (C), 826 Spring Garden street. Cost, \$3,525. Factory, Eleventh and Cambria streets.

St. James M. E. Church (O), Tabor road and Water street. Cornelius West (C), 1034 Herbert street. Cost, \$1,700. Gallery, on premises.

Mrs. Green (O), 1836 North Franklin street. M. Cotler (C), 1031 Ogden street. Cost, \$2,000. Dwelling, 1410-12 North Tenth street.

Kate F. Marshall (O), Sixty-seventh avenue and Tenth street. Clinton L. Hemmerly (C), Oak Lane. Cost, \$670. Dwelling, on premises.

Stephen Henry (O), 6241 Germantown avenue. Jos. Gastmier (C), 3448 Germantown avenue. Cost, \$2,000. Wagon shed, 6241 Germantown avenue.

Wm. H. Deisroth (O), 713 Spring Garden street. M. F. Beck (C), 4742 Market street. Cost, \$350. Factory, 924-26-28 Cherry street.

Baldwin Day Nursery (O), 140 West Lehigh avenue. John Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$425. Fire escape and fireproof windows, Lehigh avenue and Waterloo street.

J. N. Gold (O), 1915 North Patton street. Seidman & Getz (C), 1312 North Sixth street. Cost, \$4,750. Manufacturing building, 2 stories, 1335 Vine street.

Bennie Arrow (O), 860 North Sixth street. Dwelling, 2-story addition, 909 North Second street.

E. T. Stotesbury (O), Twentieth and Walnut streets. Geo. F. Payne Co. (C), 401 S. Juniper street. Demolishing walls, Twentieth and Walnut streets.

Thomas A. Daly (O), 4937 Rubican street. J. J. Malfatto (C), 211 East Brighthurst street. Cost, \$500. Wistar and Rubican streets.

A. S. Tourison (O), 7014 Boyer street. A. S. Tourison, Jr. (C), 7014 Boyer street. Cost, \$1,000. Garage, 614 Sedgwick street. Cost, \$600. Residence, 614 East Sedgwick street.

C. O. Alexander (O), 3512 Hamilton street. J. C. Dill (C), 2446 South Darien street. Cost, \$400. Bath and sun parlor, Thirty-sixth and Hamilton streets.

J. H. Brooks (C), 5525 Girard avenue. C.

H. Young (C), Seventy-second and Harford avenue. Cost, \$500. Garage, 6122 Nasrue avenue.

Robert Reeves (O), 59 North Fifty-second street. Vanderberry Bros. (C), 5133 Market street. Cost, \$1,200. Store and dwelling, brick, 1 story, 59 North Fifty-second street.

John Martins (O), Front and Daly streets. F. Sbrogila (C), 703 S. Tenth street. Cost, \$355. Dwelling, brick, Front and Daly streets.

Estate of Jos. Elgart (O), 1729 North Creighton street. Samuel Elgart (C), 1729 North Creighton street. Cost, \$1,000. Store and dwelling, 1617 Frankford avenue.

P. R. R. (O), Broad street station. Keystone State Const. Co. (C). Cost, \$30,000. Retaining wall and change of grade, Thirty-first and Columbia avenue.

Charles Steen (O), southwest corner Sedgley avenue and Diamond street. Brilliant Manufacturing Co. (C), 1035 Race street. Cost, \$700. Roof sign, Sedgley avenue and Diamond street.

Cecelia Simon (O), Orthodox and Stiles street. Keystone Eng. Co. (C), 733 Walnut street. Cost, \$2,500. Store and dwelling, on premises.

Harry Miller (O), 6207 Girard avenue. Max Nathan (C), 7818 Erwig avenue. Cost, \$725. Store and dwelling, 6207 Girard avenue.

W. Raidman (O), Sixtieth and Walnut streets. Cost, \$3,000. Apartments, 130 East Walnut lane.

Dr. Ralph H. Engle (O), 827 South Sixtieth street. Davidson & Son, Llanerch, Pa. Cost, \$700. Doctor's office, 827 South Sixtieth street.

C. Lakowiz (O), 2015 Orthodox street. Cost, \$750. Storage building, rear of 2017 Orthodox street.

R. Miller (O), 3102 Frankford avenue. H. E. Miller (C), 2526 Coral street. Cost, \$750. Store and dwelling, 3102 Frankford avenue.

Phila. Orthopaedic Hospital (O), Seventeenth and Summer street. H. H. Burrell (C), 206 South Quince street. Cost, \$2,000. Hospital, Seventeenth and Summer streets.

Bergner & Engel Brewing Co. (O), Thirty-second and Master streets. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$3,000. New kettle support and floor, Thirty-second and Master streets.

Paul Kolzum (O), 1263 South Twenty-eighth street. Wm. E. Stoeffer (C), 1237 North Eleventh street. Cost, \$620. Bakery, Twenty-eighth and Wharton streets.

H. Calpacian (O), 642 South Sixtieth street. A. M. Malyaulian (C). Cost, \$1,000. Store and dwelling, brick, 2 stories, 637 South Sixtieth street.

Phila. & Reading R. R. Co. (O), Twelfth and Market streets. A. R. Raff (C), 1635 Thompson street. Cost, \$7,000. Freight shed, Thirteenth and Callowhill streets.

Searing Wilson (O), Penna. Building. A. White (C), Cost, \$500. Dance hall, Fifteenth and Chestnut street.

Wm. and Harvey Rowland (O), Frankford. John F. Davies (C), 1215 Filbert street. Cost, \$1,500. Office, southeast corner Tacony and P. R. R.

Fels & Co. (O), Island road and Woodland avenue. Cost, \$2,000. Garage.

ADVERTISING.

The stoppage of advertising during times of stress and change has two bad effects upon the business involved. It turns off immediately a method of securing new business and holding old business. In addition to that, it advertises the pessimistic views of the advertiser, and therefore spreads his own lack of faith in himself, his goods, his country, and the future to other business men who are, perhaps, also on the verge of doing the same thing.

Without in any way minimizing the crisis which the world now faces, without ignoring the fact that a long, expensive war in Europe will result in a great deterioration of values and a tremendous adjustment of commerce and finance when it is over, there is nevertheless sufficient ground for believing that this country is going on, that the manufacture and consumption of goods will continue, and that the manufacturers who are enterprising, alert, and far-sighted enough to take advantage of existing and new markets and to push their business as they would in ordinary times, are going to benefit by their actions.

The point is that the war will either end everything in the world or it will not. If it does not, business, among other things, must go on. In our own country it must go on now. It cannot wait until the war is over.

In this country there are a hundred million of us who must live and who must buy all things that make life possible, and somebody's going to supply these things.

There are very few articles that we cannot make or produce. We have now an opportunity to find out what we can do. All of these new resources will develop business and that activity which ultimately results in good times.—From "The Outlook."

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.—Exchange.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, August 2, 1915.—Sealed proposals will be opened in this office at 3 P. M. on September 2, 1915, for the construction, complete (including mechanical equipment, lighting fixtures, and grading), of the steerage barracks and storehouse for the United States quarantine station at Portland, Me. The main building is two stories and basement, of 6,400 square feet ground area, and the storehouse is one story, without basement, of 1,100 square feet ground area. Both buildings are brick faced and of fireproof construction, except roofs, which are of plank on steel framings and have slate covering. Drawings and specifications may be obtained from the custodian at the quarantine station or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., AUGUST 11, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.....{ Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Brockie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryWilbur H. Tusler
TreasurerWalter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzinger.

Editorial Comment

There can be no longer any valid reason to doubt that prosperity has returned, that business conditions are back to normal, if not a trifle better than normal, and that loan money is easier than it has been for years. The records for the first six months of 1915 show that in spite of the depression, early in the year, due to economic conditions brought about by the war abroad, and a monetary unrest, due to tariff tinkering and big-business-baiting here at home, there has been a net increase of 30 per cent. in the number of dwellings built over the corresponding period of 1914.

When one is told that in the first six months of 1915 Philadelphia has expended something like twelve million dollars upon more than five thousand new houses of the two and three-story dwelling type, one cannot doubt that business conditions are rapidly getting back to a satisfactory basis.

During the first six months of this year Philadelphia has maintained its reputation as "the city of homes" by building 5,396 two and three-story dwellings, at an estimated cost of \$11,849,850.

This is the largest expenditure made for dwelling erection during the first six months of any year since 1906, and, with the exception of 1911, it exceeds the records of any intervening year by from \$1,000,000 to \$4,000,000. It is a 30 per cent. increase over the same period last year, and represents more than 50 per cent. of the current year's total expenditure for building purposes.

Figures compiled from the records of the Bureau of Building Inspection show that of these dwellings, only about 310, costing \$1,515,810, were of the three-story variety. A statement of expenditures by months for two-story dwellings follows:

	Operations.	Estimated Cost.
January	160	\$376,050
February	746	1,369,075
March	1,501	2,971,100
April	973	1,952,780
May	854	1,912,985
June	852	1,752,050
	5,086	\$10,334,040

During the first six months of last year only 3,894 dwellings were built at a cost of \$7,768,275, and in 1913 and 1912 figures for this sort of building dropped to 2,697 operations, costing \$6,114,415, and 2,954 operations, costing \$6,320,695 respectively.

* * *

This extraordinary advance in dwelling construction, probably unequaled in a score of years, is regarded in real estate and financial circles as startling evidence of prosperity.

Almost purely speculative in character, such building activity is regarded as a true index to the improved condition of the real estate

market. And that the trust companies are willing to advance the loans to float such operations, and the general public can absorb the product rapidly enough to insure profit to the builders, is taken as final proof of a generally healthful financial condition.

Another significant phase of these figures is the fact that the average cost per house hovers about \$2,000. This figure represents the type of dwelling that has been built in West Philadelphia, South Philadelphia and the extreme northern section in large quantities in recent years for the skilled laboring classes of the city.

Equipped with conveniences which a decade ago were found only in dwellings of twice their cost, they represent as high value as can be found in any city in the East, and inasmuch as they are a factor in keeping intact the city's great body of skilled labor, they possess a definite economic value.

* * *

All truly great art carries the note of simplicity. Maurice Dufrene, one of the greatest makers of modern furniture in Europe, says that "a beautiful chair should hold great temptation for us, that a good chair should make us contented, but that the final test of any chair is that we forget about it when resting in it." Ralph Adams Cram, in his "Impressions of Japanese Architecture and the Allied Arts," writes:

"For the courtesy and simplicity of Japanese home life, the domestic architecture forms a faultless setting. It is absolutely frank and straightforward in construction, perfectly simple in its forms, and reserved and refined in its decorations; all the ornament is rigidly constructional, while the furnishings are of the simplest quality and only such as the nature of the life demands. There is no ornament for the sake of ornament, no woodwork or carving not demanded by the exigencies of construction, no striving for picturesque effect through fantastic irregularity, no overloading of unnecessary decoration, no confusion of furnishings, no litter of trivial and embarrassing accessories. The spirit of ornamented construction and no other ornament whatever that characterized Greek architecture finds its echo in Asia. As a result the effect is more reserved, refined, gentlemanly, almost ascetic, than is to be found elsewhere. No greater contrast to our own fashion could be imagined. With us the prime object appears to be the complete concealment of all construction of whatever nature by an overlay of independent ornament. With wainscot and marble and tiles, plaster, textiles and paper hangings, we create a perfectly fictitious shell that masks all construction and exists quite independently of it."

* * *

One finds the same underlying idea in the "Principles of Home Decoration," by

Candace Wheeler. Writing of "The Art of Home Making," Mr. Wheeler remarks:

"A perfect home is never created all at once and by one person, and let the anxious house mistress take comfort in the thought. She should also remember that it is in the nature of beauty to grow, and that a well-rounded and beautiful family life adds its quota day by day. Every book, every sketch or picture—every carefully selected or characteristic object brought into the home adds to and makes a part of a beautiful whole, and no house can be perfect without all these evidences of family life. . . .

"And inexperienced person might think it an easy thing to make a beautiful home, because the world is full of beautiful art and manufactures, and if there is money to pay for them it would seem as easy to furnish a house with everything beautiful as to go out in the garden and gather beautiful flowers; but we must remember that the world is also full of ugly things—things false in art, in truth and in beauty—things made to sell—made with only this idea behind them, manufactured on the principle that an artificial fly is made to look something like a true one in order to catch the inexperienced and the unwary. It is a curious fact that these false things—manufactures without honesty, without knowledge, without art—have a property of demoralizing the spirit of the home, and that to make it truly beautiful everything in it must be genuine as well as appropriate, and must also fit into some previously considered scheme of use and beauty. . . .

"The aesthetic or beautiful aspect of the home, in short, must be created through the mind of the family or owner, and is only maintained by susceptibility to true beauty and appreciation of it. . . .

"The principles of truth and harmony, which underlie all beauty, may be secured in the most inexpensive cottage as well as in the broadest and most imposing residence. Indeed, the cottage has the advantage of that most potent ally of beauty—simplicity." . . .

All of which calls to mind an article in the July number of "The Craftsman" on "The Simple Beauty of Japan."

"Before a full appreciation of the beauty of a Japanese home interior can be reached," says the writer, "it is necessary to understand, to have a measure of sympathy with the ideals underlying or rather prompting their unceasing devotion to simplicity. The Japanese as a nation are wonderfully free from vulgar ostentation. They strive for refinement rather than luxury and take pleasure in delicate suggestions rather than bold display. Okakura, that distinguished authority on Oriental archaeology and art, says that the old aristocracy, the Ashikago exquisites, who did so much to establish art ideas in Japan, loved to live in thatched cottages as simple in appearance as those of the meanest peasant, yet whose proportions were designed by the highest genius of Shoji or Soami; whose pillars were of the costliest incense-wood from the farthest Indian islands; even whose iron

kettles were marvels of workmanship designed by Sesshu. 'Beauty,' said they or the life of things, 'is always deeper as hidden within than as outwardly expressed, even as the life of the universe beats always underneath incidental appearances.' Thus it would be their joy to ornament an ink box, for instance, with simple lacquering on the outside and in its hidden parts, with costly gold work. The tea room would be decorated with a single picture or a simple flower vase to give it unity and concentration and all the riches of the raimyo's collections would be kept in his treasure house, whence each was brought out in turn to serve in the satisfaction of some aesthetic impulse. Even to the present day the people wear their costliest stuffs for undergarments as the Samurai prided themselves on keeping wonderful sword blades within unpretentious scabbards.

"Another element that must be taken into consideration is their idea that everyone should have a house of his own, designed to meet individual requirements, to express individual taste. Every house has a tokonoma, or artistic altar, where but one beautiful thing is kept at a time. These shrines represent the development, from youth to old age, of personal taste, and serve as a medium for the subtlest and most appreciated compliment to guests; for the rare kakemono, jar, carving or bit of lacquer displayed to honor the guest, tell him more eloquently than words the esteem in which he and his art knowledge are held by the host. . . .

"It must be remembered also that Japanese rooms are designed mainly as backgrounds for art. The whole interior of a house is practically one room, divided into different compartments by the means of sliding screens or fusuma. The chief ornament of the room is the wood of which it is constructed, natural wood of beautiful grain, texture and color, unmarred by varnish or paint, but rubbed until it glows like satin. The Japanese reverence for wood, though well known, can never be understood until one has visited the homes of that fascinating land and seen the results of the skilled treatment that brings out the essential beauty of the wood. No artificial finish can compare with the rare effect reached by careful selection and preservation of a bit of delicately or boldly grained wood. With the wooden framework, plaster panels, pale, clean-toned matting and creamy rice paper stretched over latticework (used in place of our glass windows) the rooms are little more than simple settings for the works of art which even the humblest contrive somehow to possess.

"Out of sight behind these plain paper fusuma are the clothing, bedding, books, etc., necessary to change the room into sleeping room or study. At meal times, low lacquer tables are brought in from the kitchen and placed before the guests or family and the room becomes the banquet hall. With all the necessary paraphernalia of the house hidden away behind the sliding panels that make up the sides of the room, there is none of the disorderly confusion or overcrowding so appar-

ent in our homes. The Japanese say that our drawing rooms are but 'warehouses' and think it uninteresting in the extreme to see the same things in the same place day after day. They much prefer to change the ornaments each day as suggested by various national or individual festivals, by the mood of the master of the house or as a mark of honor to a coming guest." . . .

Is there not a thought or two in all this for the young American architect who is yearning to evolve a "style"—who is palpitating after a certain distinction and aiming to get away from the beaten tracks in design? We don't advocate the transplanting to our American settings of Japanese ideals of design. Far be it. The Japanese house would be as sadly out of place in our American landscapes as would, say, a Pennsylvania country house in the environs of Yokohama or of Geddo. That we have much to learn from this little yellow people along the lines of true artistic restraint, simplicity and repression must be none the less apparent. The young architect who can grasp the salencies of Japanese art as shown in architecture and in interior furnishing and who can adapt these salencies to the needs and locale of American country house design has an important place awaiting him in the architecture of the future.

Japanese ideals of design have the merits which attach to all truly great art—the merit of simplicity—of repression—of undisguised candor and beauty. . . .

Michigan has recently passed an architect's registration law that becomes effective August 24, 1915.

It prescribes for the licensing of all persons that are engaged in the drawing of plans and specifications for buildings for others, which are to be constructed by a person other than the architect. Any builder may draw plans for himself, however, or for any building that is being erected under his own supervision.

A board of five examiners has been appointed by Governor Ferris to examine and register all who desire to use the title of architect or to practice architecture in the State of Michigan. The members of the board are: Prof. 7mil Lorch, of the University of Michigan; George D. Mason, Detroit; D. Fred Charlton, Marquette; A. R. Munger, Bay City; and S. Eugene Osgood, Grand Rapids.

Those who have practised architecture prior to February 5, 1915, and can show satisfactory evidence of character, competency and qualifications, can obtain a license by applying to the State Board of Examiners before August 5, 1915. Architects licensed in another State will be granted Michigan certificate on application.

Upon becoming registered, the applicant is required to pay a fee of twenty dollars and receives a certificate of registration.

Any violation of the provisions of this act is a misdemeanor punishable by heavy fine or imprisonment.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



THE INSPECTION OF A BUILDING JOB.

"One of the great problems which the contractor has to face," says Leonard C. Wason, in a paper read before the Boston Society of Civil Engineers, "is that of the inspector who represents the engineer on the work. A thoroughly competent inspector is a great help to the contractor and very beneficial in the results obtained; an incompetent one is exactly the reverse." Mr. Wason points out some of the important qualifications which the ideal inspector must have—an even temper not easily ruffled, a considerate yet firm attitude, always diplomatic and capable of performing his duties acceptably to his employer.

"The superintendent for the contractor is necessarily better informed and better trained in construction—an executive who is constantly directing others and is quick to resist, for the good of the service, insubordination or usurpation of the duties for which he is held to strict account by his employer. Trained to be an autocrat, his temperament does not take kindly to being bossed by another man admittedly with less experience."

It is evident that the inspector must not consider it a personal affront when his orders are overruled. He will make some mistakes which the engineer will correct—many more which his chief will never hear about, although they make unnecessary expense and may affect his chief's professional reputation. He is put in a trying position, the most frequent cause of friction in which is when he assumes certain duties inherent in other men. His most common mistake is in giving the workmen orders direct. It is only by following his own duties and those alone that satisfactory results are obtained and the expense of the job kept within limits.

WHAT WILL THE WAR BRING TO AMERICA?

By Francis Grierson.

(We feel that our readers will greatly value the point of view of this distinguished English musician and man of letters in regard to the effect of the war upon American social life.)

How is the terrible strife in Europe likely to effect creative thought in America? Will the reaction lead to a new renaissance? Shall American writers, artists and teachers continue to copy the manner and methods of the French and English? Shall Americans continue to imitate every freak demonstration in literature, art and music thrown off by irresponsible innovators in the leading European capitals?

We are moving through grave and eventful times. Thousands of people bewail the experiences they are forced to pass through.

In Russia, Germany, Belgium, Austria, England and France young artists, writers, poets, philosophers, musicians are passing through ordeals of blood side by side with peasants. There are no distinctions. Thousands of young people in the different countries, men who go to the front and women who remain at home, are, for the first time in their lives, being moved and shaken by profound emotions. They are being made to feel, when three short months ago they could only faintly imagine. The veils of illusion has been torn from their eyes before they had time to realize what was happening. This, indeed, is the real realism, not the thing the so-called realists have depicted in novels. Nothing is lacking to fill to the brim the cup of horrors. Emotion is the basis of all great art. And now thousands of people both young and old in many countries will know the full meaning of that word as never before in this century.

In art, imagination alone is futile. Imagination is only effective when it is coupled with profound feeling. Horace declared the most effective way to make others weep is to begin by weeping yourself. In the space of forty-four years France has undergone two periods of mourning, while England is now for the first time feeling the rude stroke of fate at her very door. What will the lessons be for Paris and London? What will be the reaction? After the defeat of Napoleon at Waterloo it required a period of fifteen years before the advent of a new genius. Victor Hugo appeared on the scene in eighteen hundred and thirty, ushering in the great romantic revival in art, literature, music and the drama. The war between France and Prussia in eighteen hundred and seventy lasted only six weeks and the number of slain did not materially affect the ranks of talent in either country. The only difference I noticed at the time

was that it turned the optimists into pessimists. It did not produce a renaissance of art and literature in France. The war was not long enough, not terrible enough, to produce fundamental results.

After this war a wave of reaction will sweep over Europe. In Russia it is likely to bring to a close the period of brutal realism inaugurated by the young authors of twenty years ago. In Germany it will produce a new drama, a new outlook on life and art; but in France and England the changes will be far-reaching. Paris has for a long time been the Mecca toward which young American art students turn their gaze. Thousands have been converted into weak imitators and impersonal copyists, and especially American art students have imbibed in Paris in recent years the notion that everything American is inferior to everything French and European. But for this superstition America to-day would be the leading art country of the world.

Whence comes this difference to the surpassing opportunities for the development of native talent in America? For one thing, American children are taught to look toward Paris as the center of the intellectual universe. That vain, vague word, technique, is used as if it were the fundamental basis of all art instead of one of the adjuncts of art. I have heard this word used by hundreds of people without the slightest conception of what it means or what relation it has to sentiment and the far higher art of expression. The notion that technique is the all-important thing in creative work is superficial and provincial, not in keeping with the genius of France. The great masters have always based their work on deep emotion, sentiment and imagination; but in recent years lesser minds, failing to create, have set their wits to devise new and outre forms in all phases of art. Eccentric whims are mistaken for an expression of power and originality, and if the war does not purge Paris of what I call the "blue china period" in poetry, art, literature and music, then indeed the ordeals of the war will have been in vain. For there is no denying the fact that the moods and caprices of the Parisians have set the tone for all Europe and America for many years past.

Three years ago, in a London magazine, I pointed out the weakness of writers like Anatole France, and he is regarded everywhere as the most gifted of living French writers. Nothing could be more opposed to the spirit of democracy than the subtle irony of Anatole France, the romantic remoteness of Pierre Loti, and the quintessential refinement of Maurice Barres. The great writers of the second Empire had

positive convictions. Those of the present take refuge in an atmosphere of aristocratic refinement and intellectual exclusiveness, quite remote from republican tastes and democratic grooves of thought. They have much feeling, brilliant thought on a surface level, plenty of fancy, as distinguished from imagination, charming graces of style, and entertaining notions of French social life, and a superficial Voltairian quality which leaves the human spirit thirsting for psychic knowledge and spiritual wisdom. For such writers are without ideas. No good has ever come to anyone from the teachings of Voltaire. This flippant, superficial spirit has been the curse of Modern France. It produces wit that is dry and brittle. Anatole France has been called a second Voltaire, and now after a lifetime of literary fame and material success what is the outcome in the hour of national peril and change?

Here is what Anatole France has just written to the Minister of War: "Many people say my literary style is worthless in time of war. As this may be the truth I have ceased to write and am without work. I am no longer young, but my health is good. Make me a soldier."

In art and literature the decadent period and the transitional period arrive together. The first necessarily implies the second. In England decadence set in soon after the passing of Dickens in eighteen hundred and seventy. Ten years later George Eliot passed away. Victor Hugo was the one authoritative voice in France in his time, and all France had to offer in his place was the materialism of Zola out of which was developed most of the crude writing the world has had during the past thirty years.

There are but three kinds of artists and writers: the positive, the neutral and the negative. No imagination, no skill will ever suffice, for the lack of spiritual vision. London, like Paris, has long been in the shifting throes of a new and negative paganism, a mere makeshift for the creative power of the Greeks. Observation has no Aristotle, intuition no Socrates, literature no Plato. The greatest pagans were on the positive side, but our pantheistic revival is negative, empty, ephemeral. Writers can do no more than give utterance to what they know and what they feel. A man's vision is his own, like his manner of writing; but while one man's vision may arise from fundamental principles, that of another may be the result of mere impressionistic guesswork.

The neutral writers fail because they have nothing to offer to the world but a series of transitory impressions in the guise of the drama, the novel or essay. They fail to see that impressions count for nothing in a world where fancies and whims have no vital duration. Writers who voice the fads and fashions of a particular time, or who play paradoxical tricks with

the public, are headed for oblivion. The neutral and the negative writers are like people revolving on an immense wheel, ignorant of the power which causes the wheel to revolve. Their wheel of life revolves without ceasing but what they take for novelty is only new combinations of wind, temperature, barometric pressure, sunshine and shadow, all fleeting as the winds and the clouds.

The fault of London is the fault of Paris. Twenty-five years ago the witty author of "Lady Windermere's Fan" made paradox and persiflage fashionable. Artists, poets, musicians, critics, dramatists began to hide their lack of wisdom by a veil of paradoxical humor and witty illusion. As if the soul of man could thrive on paradox! To offset all this contradiction and persiflage the scientific novelist appeared with a scientific mission.

As if science could impose moral discipline on any people or nation!

No amount of scientific knowledge will ever make great artists, great poets, great preachers or great moralists. Goethe was first a poet and thinker, a scientist last of all. The creative writers and artists have all reasoned and labored from a fundamental feeling which gives the immortal feeling. Our popular scientific writers cannot create. They can only explain what they have learned mechanically. Our age is suffering from a new disease caused by undigested facts. Sensation has for years usurped the place of common sense and culture. The neurotic has reigned in all the leading European cities, from Rome to Petrograd and from Vienna to London. Irresponsibility has been the fashion.

For some millions of people the only reality they have ever faced is the reality of the present war. For years authority and discipline have had no meaning in Paris and London. License and persiflage, cheap wit and impossible paradox have been fed out to the public in newspapers and magazines until the reasoning mind wonders how long such conditions can exist without the total destruction of society. But God is not mocked. Authority and discipline, so long flouted in this world of art and literature, are now being imposed on fields of carnage in five nations far more bitter than any discipline ever imposed by any religion or any moral law.

As for new "isms" and schools—if America continues to imitate decadent Europe then the same ordeals await the youth of this country later on. It is time to throw off the European yoke. The longer America delays, the worse will be the day of reckoning. This country offers more than ample opportunities for students in every sphere of art and thought. Its riches and advantages are beyond anything ever known in the history of the world. The artist can find here all kinds of "atmosphere" the finest scenery on the globe and the greatest variety, the best social

privileges, the greatest freedom for individual development, climate to suit all temperaments. In America nothing is lacking. As a matter of fact some of the most gifted people I have ever met anywhere have never been to Europe and do not expect to go there. I have never found it true that cultured Europeans possess more culture than cultured Americans. If I had to make a fixed choice I should plump for the critical, intellectual American who never saw Europe.—"The Craftsman."

ANCIENT SKYSCRAPERS.

In the days of Solomon there were buildings ten stories high; one rabbi tells of climbing 100 feet to his room; Herodotus says there were houses in Babylon four stories high, and Greek historians report many houses in ancient Tyre ten stories high. Athens had a building law limiting the height of buildings for residences to ten stories.

About the year 325 A. D., when Constantine, the Roman Emperor, determined to establish his capital on the Golden Horn, he built a wall across the peninsula as the limits of his city and the dividing line between city and country taxes. Speculators rushed in and bought up land, raising real estate prices over 300 per cent. within a year.

High buildings were the logical outcome of this condition, and the capitalists sent to Rome for architects who could design higher buildings, with the result that in ten years the new capital rivalled Rome in this regard.

Constantine, finding the view of the city and bay obstructed by these higher structures before he completed his palace, says an exchange, issued an edict forbidding buildings more than 100 feet high.

A wall went up from the speculators, but the tops of the buildings had to come off, and it is recorded that one block lost the four upper stories, which would indicate that there were buildings from 125 feet to 135 feet.

It is related that one Apothagos built a row of houses between the royal palace and the sea. They were of stone and brick as required by law and within the required limits of 100 feet, but on top of this he built frame structures of three stories. The royal "inspector of buildings" ordered these frame superstructures to be removed, but Apothagos, claiming it was only a temporary structure for housing his workmen while they completed the building, went into court with it. After ten years of litigation, the superstructures were torn down, but all this time royalty was much offended by the buildings standing between it and the sea.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

SHOULD THE ARCHITECT'S DECISION BE FINAL?

At a conference of architects and contractors recently in Philadelphia the contractors sought to enlarge the field of arbitration as a means of final decision in case of appeal from the dictum of the architect. On this ground the architects met the contractors half way, and from all accounts, all who were in the conference showed an admirable inclination to be fair and reasonable, says the "Improvement Bulletin." The architects did not think it fair that they should yield entirely to the plan of arbitration. That is, they could not agree with the contractors that no decision of the architect should be final.

That is the continual live question between architects and builders, in the West as well as in the East. But there seems to be less inclination at present in the West to appeal from the judgment and requests of the architect.

In France, according to a recent statement by an authority, the architect is supreme. He is the financier as well as the maker of the plans; and he is wholly responsible to the owner for results. In the construction of a building the French plan is to have one head and hold him accountable, on his agreement with or his commission from the owner. The principle of government in this is very similar to the principle of the commission form of government, the form which has won over so many communities in the United States, and is now proposed for a nation, Mexico. A commission government reduces the council to a minimum number, but gives each of the few men full authority in a department. Then it holds him responsible for results. This system undoubtedly has its advantages. The idea of centralized authority always has had many supporters, and among them always have been able men. The larger the building the more the need of one final authority. The owner sees his architect first and the contractor later, if at all. The owner outlines his ideas to the architect and the architect produces a plan to meet his desires insofar as practical. The owner and designer reach a final agreement. Then the contractor appears on the scene to realize the ideas of the owner and the ideas, or plans and specifications of the architect. Thus it seems clear that the architect, representing the owner, should have the final say.

But are all architects fully prepared to make every detail of their plans and specifications right and practical? In the words of Hamlet, "That is the question." If he is a youngster and the contractor is an old experienced builder, the relation is not the same as when the architect is thoroughly equipped and experienced. We have seen some complaints of old contractors on public improvements against the placing of young engineers just out of college over them. Building contractors may feel the same inclination at times, for there is, in the building world, as in all walks of life, nothing like experience.

Then there is another consideration: This

is a free country. It is founded not only on the idea of equality before the law and in opportunity, but also on the fraternal feeling which is shown in the fine old saying, "One touch of nature, makes the whole world kin." There is a strong get-together feeling in these United States. It is growing. The report of the conference of the architects and contractors in Philadelphia, showing an "increase in the field of arbitration" is one of a great many instances. It is the proper spirit and it will establish and maintain a general practice of open-minded consultation between the designer and the builder. The young architect should have respect for the suggestions of an experienced contractor of standing. The rule works both ways. But in instances of unsuccessful consultation over points, the owner's lack of technical knowledge having eliminated him, the plans and specifications accepted by the owner, in authorizing his architect to go ahead, must be followed.

"THE ARTIST IN THE GARDEN."

"Many a charming retreat," writes Edward Hale Brush in the March "Craftsman," "has been created by planting in the center of a well-kept garden, shrubbery or hedges partly screening from view a fountain basin where the water gurgles out through a dolphin's mouth, or a chubby bronze or marble boy plays with a fish, as in the case of a fountain by Mrs. Carol Brooks MacNeil, of College Point, Long Island, N. Y., modeled after one of her own children and possessing an irresistible appeal. Or it may be the fountain is the setting for even a more ambitious work of sculpture like that of Isidore Konti for Greystone, at Yonkers, formerly the home of Governor Samuel J. Tilden, now the country seat of the famous lawyer, Samuel Untermyer. The subject of this work is a mother and babe, and the tender figures, with their interpretation of youthful and beautiful motherhood and childhood's innocence, seem to gain added significance from their peaceful woodland surroundings.

"On the grounds of Robert S. Brewster, at Mount Kisco, Westchester County, N. Y., a niche in a wall leading down to an Italian garden has been filled with a wall fountain by Sherry Edmondson Fry, whose work has created such favorable comment in recent exhibitions of the Architectural League. The boy and dolphin, against the wall with its covering of crimson Rambler, are unusually decorative, and are quite in keeping with the marble balustrades, classic temples and other architectural features of this forest-circled estate.

"Another delightful fountain by Mr. Fry is on the country estate of Dr. Walter B. James, at Cold Spring Harbor, Long Island. In the center of a travertine basin stands the bronze figure of a boy, supported by four frogs, from whose mouths water spouts into a pool. The boy's face is turned so that at noon the sun shines directly into it, the whole impression being one of youthful health and joy in living.

"We owe much to recent expositions and

garden city developments for their suggestions in the beautifying of extensive areas by means of landscape gardening and architecture, and such park and garden schemes have included many interesting and original fountain designs. The work of the Sage Foundation Home Company at Forest Hills Gardens, Long Island, is one instance of the admirable effects that can be produced when architect and gardener work in close harmony.

"The estate of Felix Warburg, at White Plains, N. Y., contains an example of the fountain sculpture of Edward McCartan, who won the Barnett Prize of the Architectural League of New York in 1913 with his fountain design. In the one at the Warburg home, a piping boy Pan stands in a limestone niche set in a wall of tapestry brick on a terrace overlooking a rose garden. The hedge that sweeps down in front to the garden below, the mosses, vines and potted plants, and the sound of the trickling water, all blend in creating a sylvan atmosphere in which the youthful god must surely feel at home.

"Miss Hyatt, Paul Manship and many other sculptors of fanciful and poetic temperaments are devoting their attention to garden fountains and figures for American grounds, and it seems likely that with the increasing interest in country architecture and gardening, this branch of art will find room for wide and beautiful development throughout the land. And one cannot help hoping that its growth will be of a simple and naturalistic rather than formal kind; that it will concern itself not merely with large estates and elaborate private grounds, but chiefly with public parks and small home gardens. For, as J. H. Dillard wisely wrote, 'the word art ought to carry as common and universal a meaning as the words life and love.' And should not the artist in the garden, above all, work to bring beauty and peace and inspiration within reach of all the people?"

CLEANING GLAZED TERRA COTTA ORNAMENTS.

A painter in Pennsylvania desirous of ascertaining how to clean white glazed terra cotta ornaments on the exterior of a building which had been badly stained by smoke, wrote to the "Painters' Magazine" for the desired information, and the following suggestions were offered in reply:

"To remove the smoke make a stout lather of soap and water and add some ammonia, and apply this to the ornaments with a soft brush. Let it remain for a little while, but before it becomes dry brush it over the whole surface with a good scrubbing brush, taking care to get into the figures at every angle, then sponge off with clean water. If the smoke stains are obstinate, the addition of finely powdered pumice to the lather and good brushing will remove them. Other stains may be removed by the use of coal-tar benzol or pure spirits of turpentine on a rough cloth.

"When using pumice it is necessary to have the finest grade, known as flour of pumice, to keep the glazed surface from being scratched or dull the luster of the glaze."

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.
Payne & Scammell, Land Title Bldg., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange.

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility." Frank C. Gillingham & Son Co.

Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.

Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,

1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,

1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.

and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

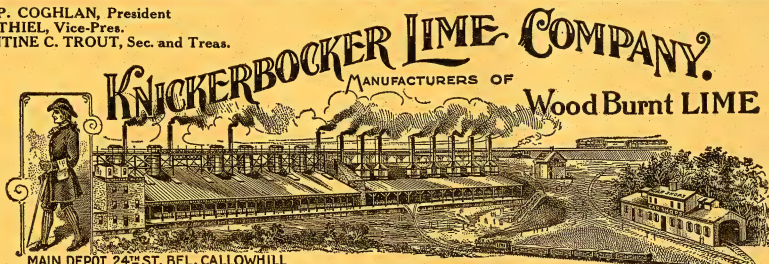
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphatic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 33.

PHILADELPHIA, WEDNESDAY, AUGUST 18, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland Cement



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING Co.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

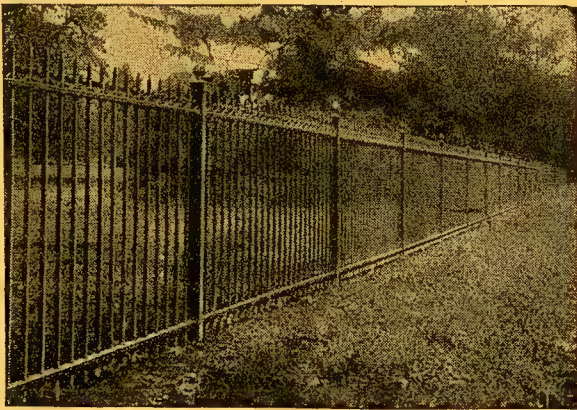
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Court, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

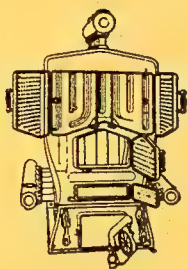
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA, PA.

= MILLS =



"Guarantee"

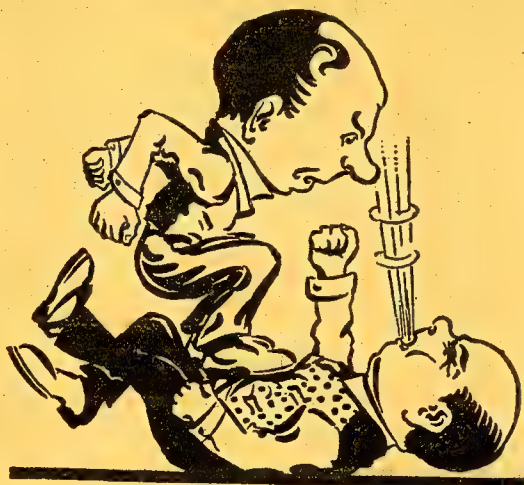
We stand back of our
Boiler.

They will do everything
we claim for them.

Send for information.

The H. B. SMITH CO.

1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Audubon Wire Cloth Co., Inc.

AUDUBON, N. J.

Announce their succeeding the
Strawbridge & Chase Co.
OF PHILADELPHIA, PA.

Emphasizing the fact of no change
in management or conduct
of the business

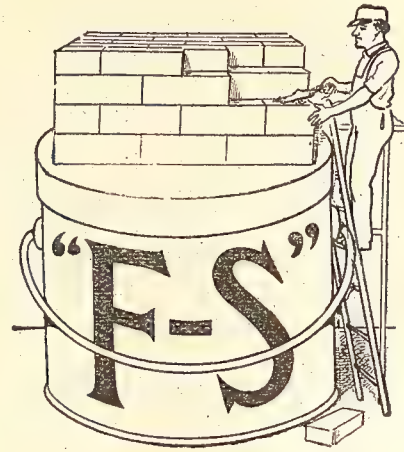
We wish further to let our friends and customers know of our increased facilities, new initiative and increased endeavors to give prompt delivery, service and low figures consistent with the quality of our products.

Audubon Wire Cloth Co., Inc.

Manufacturers of

Wire Cloth in Brass, Copper, Steel and Galvanized
Wire Screening, Sieves and Window Guards

AUTO TRUCK DELIVERING DAILY IN PHILADELPHIA, PA.



Build on "F-S" Products for substantial results.

You get durable, satisfactory finishes when you specify our Varnishes. We've been making them and improving on them for half-a-century. They are the results of honest endeavor to turn out quality products. Only reliable materials are used.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(116)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

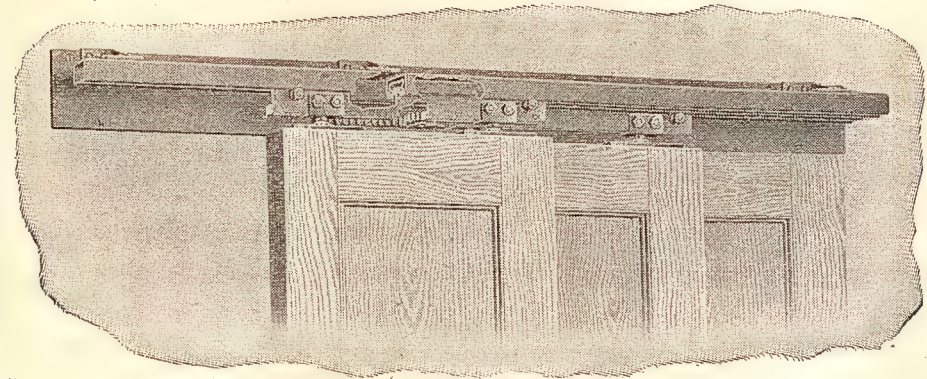
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action

"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1511 Sansom Street, Philadelphia

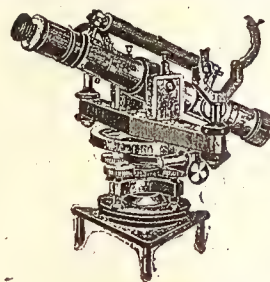
James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15 to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON
 WORK
 CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
 1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 33.

PHILADELPHIA, WEDNESDAY, AUGUST 18, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Showrooms, Broad and Arch streets. Architects, Harris & Richards, Drexel Building. Owners, United Gas Improvement Co., on premises. Consists of remodeling first floors for showrooms. Architects taking bids, due August 24th. The following are figuring: Fidelity Construction Co., Heed Building; H. L. Brown, 1714 Arch street; Chas. Gilpin, Harrison Building; Roydhouse-Arey Co., Fidelity Building; F. B. Davis, 240 North Sixteenth street; H. E. Baton, Twelfth and Sansom streets; George & Borst, 277 South Eleventh street; H. H. Burrell, 206 South Quince street; R. C. Ballinger & Co., 218 North Thirteenth street; F. W. Van Loon, Denckla Building.

Storage House, American and Cambria sts. Architect, private plans. Owners, American Ice Co., Sixth and Arch streets. Brick and concrete, 1, 2 and 3 stories, 120x360 feet, slag roof, reinforced concrete, electric lighting. Owners taking bids, due August 20th. The following are figuring: George & Borst, 277 South Eleventh street; Monaghan & Losse, 214 South Twelfth street; H. E. Baton, Twelfth and Sansom streets; Ketcham & McQuade Co., 1029 Brown street; A. Raymond Raff, 1635 Thompson street; Turner Concrete Steel Co., 1713 Sansom street; Fidelity Construction Co., Heed Building; Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; Pomery Const. Co., 1609 Ranstead street; F. A. Havens & Co., 845 N. Nineteenth street; Wm. R. Dougherty, 1610 Sansom street; Doyle & Co., 1519 Sansom street.

Bridge, over Wingohocking creek. Engineers, owners. Owners, Penna. Railroad Co., care F. W. Smith, Jersey City, N. J. Reinforced concrete. Owners taking bids, due August 24th. Brown-King Construction Co., Commercial Trust Building, and Manwaring & Cummins, Hale Building, Philadelphia, are figuring.

Store and Offices, Eighteenth, below Market street. Architect, Paul A. Davis, 3d, 1713 Sansom street. Owner, J. C. Fuller, 10 South Eighteenth street. Brick and limestone, 2 stories, 166x25 feet, slag roof, electric lighting, terrazzo and marble work, oak floors, (heating reserved). Architect taking bids,

due August 25th. The following are figuring: Chas. McCaul Co., 1713 Sansom street; H. E. Grau, 1713 Sansom street; George Hill, 2248 Wharton street; Elfreth & Wood, 1706 Sansom street; Frank G. Stewart, 1619 Sansom street; Wm. R. Dougherty, 1610 Sansom street.

Warehouse, American, above Diamond st. Architect, M. Ward Easby, Crozier Building. Owners, John Scott & Co., Inc., on premises. Brick, 4 stories, 48x122 feet, slag roof, metal windows, (elevators reserved). Owners have received bids.

Church (alts.), Thirty-second street, above Montgomery avenue. Architect, Geo. E. Savage, Witherspoon Building. Owners, East Park M. E. Church, Rev. W. H. Michaels, 301 Berks street. Consists of new pulpit and choir platforms, metal lath, electric lighting. Architect has received bids.

Church, Tacony, Philadelphia, \$30,000. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Tacony M. E. Church, Rev. Cornelius Hudson, 3424 Disston street, Philadelphia. Stone, 1 story, 100x120 feet, slate roof, electric lighting, steam heating. Plans completed. Architects expect to take bids in a few days.

Store and Residences (2), Courtland street, west of Broad street. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Brick, 2 stories, slag roof, (heating, plumbing and electric work reserved by owners.) Owners have received bids.

Pier, Delaware River and McKean street, Philadelphia. Engineers, Dept. of Wharves, Dock and Ferries, Bourse Building, Philadelphia. Owners, City of Philadelphia, Dept. of Wharves, Docks and Ferries, Bourse Building. Steel and concrete, 250x900 feet. Lowest bidders on sub-structure, Snare & Friest Co., Woolworth Building, New York City, and 40 S. Wharves, Philadelphia, at \$516,700.

Garage, Hampton and Crefeldt sts., Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, George Howe, Provident Building. Stone and brick, 1½ stories, 23x23 feet, slate roof, hot water heating, electric lighting, cement floors. Architects have received bids.

Store and Apartments (alt. and add.), 2452

North Broad street. Architect, E. D. Salter, Parkside and Wynnefield avenue. Owner, Chas. H. Grakelow, 1430 West Cumberland street. Brick, 3 stories, reinforced concrete floors, reinforced bars, (heating, plumbing, electric work and tile work reserved). Owner has received bids.

Cooper Shop and Pump House, Delaware avenue and Mifflin street. Architect, private plans. Owners, David Berg Distilling Co., Delaware avenue and Tasker street. Brick, 1 story, 140x22x44 feet, slag roof. Owners have received bids.

Store (alt. and add.), 2330 to 2334 North Front street. Architect, Wm. Lowenthal, 1208 Chestnut street. Owner, George Kelly, 624 Market street. Brick, 2 stories, composition roof metal lath, (plumbing, heating, electric work and painting reserved). Owner has received bids.

Ice Manufacturing Plant, Ninth and Master streets, Philadelphia. Architect, Arthur H. Haigh, Raymond Building, Germantown. Owners, Walls Ice Mfg. Co., 1238 Thompson street. Brick, steel and concrete, 2 stories, 100x100 feet, slag roof, waterproofing, electric lighting, iron stairs, steel tanks, reinforcing bars. Owners taking bids, due August 21st. The following are figuring: Geo. Hogg, 1634 Sansom street; John N. Gill & Co., Heed Building; Wm. Steel & Sons Co., 1600 Arch street; H. C. Rea Co., 1027 Wood street; W. R. Dougherty, 1610 Sansom street.

Residence and Garage, Wissahickon avenue, \$35,000. Architect, Savery, Sheetz & Savery, Stephen Girard Building, Philadelphia. Owners, name withheld. Stone, 2½ stories, 83x41 feet, wing, 41x26 feet, Garage, 2 stories, 51x35 feet, shingle roofs, oak floors, tile work, metal lath, (heating, plumbing, and electric work separate bids). Architect taking bids, due August 20th. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; R. C. Ballinger & Co., 218 North Thirteenth street; Roydhouse-Arey Co., Fidelity Building; Wm. J. Gruhler & Co., 219 East High street; R. M. Peterson, 5250 Wakefield street.

Store Building (alts.), southeast corner Fifteenth and Race streets, Philadelphia. Architect, R. C. Loos, 101s Chestnut street. Own-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazzo and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked 1 3/8" x 2 1/4" and 3 1/4" face. End matched, hollow backed, and bored for secret nailing.

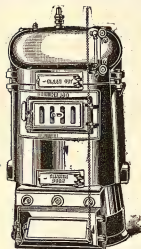
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The **NEW** Round

ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118 120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

ers, Lester Milk Co., on premises. Consists of new store fronts and interior alterations, metal ceilings, marble work, (electric work reserved). Architect has received bids.

School (alts.), Huntingdon street, east of Twenty-eighth street. Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, Stock Exchange Building. Consists of general interior alterations, carpenter work, plastering, iron work, stone work. Lowest bidders, Mitchell Bros., 2125 Race street, \$4775.

High School (alts.), High street, Germantown. Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, Stock Exchange Building. Consists of new fixtures, cabinet work, tile work. Lowest bidder, W. Christy & Son, 1614 McKean street, \$49,107.

Street Extension, Delaware avenue. Engineer, Geo. S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Consists of widening Delaware avenue, excavating, grading, paving, sewers, etc. Lowest bidders, McNichol Paving and Const. Co., 1923 Cherry street, \$212,500.

Y. M. C. A. Building (add), 1452 to 1458 Cherry street. Architect, Horace Trumbauer, Land Title Building. Owners, Y. M. C. A., 1421 Arch street. Brick and terra cotta, concrete and steel fireproofing, 2 stories, 60x64 feet, slag roof, steam heating, electric lighting, waterproofing and dampproofing, concrete fireproofing, reinforced bars, metal lath, tile marble and terrazzo work, fire doors, metal sash. Architect taking bids, due August 23d. The following are figuring: George A. Fuller Co., Norris Building; Geo. F. Payne & Co., 401 South Juniper street; H. E. Baton, Twelfth and Sansom streets; H. E. Grau, 1707 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; Metzger & Fisher, Denckla Building; Fidelity Const. Co., Heed Building. **Convenience Station**, Vernon Park, Germantown. Architect, Louis E. Marie, City Hall. Owners, Department of Public Works, City Hall, L. E. Cook, City Hall. Stone and frame, 1 story, 17x36 feet, ready roofing, waterproofing, reinforcing bars, promenade tile floors, safety treads. Lowest bidder, James Connor, 1317 Arch street, \$5,198.

Factory Building, Frankford, Philadelphia. Architect, Rufus Whaley, Fox Chase, Philadelphia. Owners, F. P. Woll & Co., Tacony and Church streets. Main building, brick 1

story, 60x200 feet; power house, 1 story, 20x 50 feet, slag roof, steel stack, cement floors, steel sash, electric lighting, steam heating. Builders, J. Sims Wilson & Co., 1125 Brown street, taking sub-bids on all lines.

Factory and Store, northwest corner of Fourth and Cherry streets, Philadelphia. Architect, Spencer Roberts, 1524 Chestnut street, Philadelphia. Owners, Felton, Sibley & Co., on premises. Brick and reinforced concrete, 6 stories, 40x70 feet, slag roof, metal sash, elevator, dampproofing (heating and electric lighting reserved). Architect taking bids, due August 23d. The following are figuring: William B. Dougherty, 1610 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; Cramp & Co., Denckla Building; Frank G. Stewart, 1619 Sansom street; Barclay White Co., Perry Building; H. E. Baton, Twelfth and Sansom streets; Thomas Little & Sons, 1713 Moravain street, Philadelphia.

Parochial School, Sixty-second and Cedar avenue. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, St. Carthage's R. C. Church, Rev. Father P. F. O'Neill, Fifty-third and Vine streets. Stone and brick, 1 story, 60x116 feet, slag roof, steam heating, electric lighting. Plans about completed. Architects will take bids in 10 days on first floor and basement only.

Store Building, 1227-1229 Vine street, Philadelphia. Architect, Charles E. Oelschlaeger, Harrison Building, Philadelphia. Owners, Triangle Film Corporation, New York City. Brick, 1 story, 35x90 feet, slag roof, steam heating, electric lighting. Architect taking bids, due August 20th. The following are figuring: P. J. Hurley, 1233 Cherry street; E. J. Kreitzburg, 1345 Arch street; George K. Heebner, 1231 Vine street; D. Henwood, 1509 Wood street; I. T. Shoemaker, 1309 Walnut street.

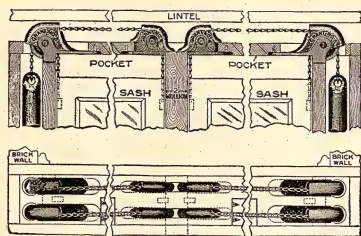
Subway and Stations, City Hall, Philadelphia. Engineers, City Transit Department, Bourse Building, Philadelphia. Owners, City of Philadelphia, City Transit Department, A. Merritt Taylor, Director, Bourse Building, Philadelphia. Concrete and steel, waterproofing, safety treads, consists of the construction of subway under City Hall and stations. Lowest bidders, Keystone State Const. Co., Pennsylvania Building, \$1,700,000.

Elevated Foundations, Frankford Elevated, Philadelphia. Engineers, City Transit Department, Bourse Building, Philadelphia. Owners, City of Philadelphia, City Transit Depart-

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

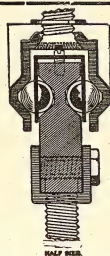
BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

ment, A. Merritt Taylor, Director, Bourse Building, Philadelphia. Consists of concrete piers and foundations from Front and Callowhill streets to Rhawn street, Frankford. Lowest bidder, James D. Dorney, 1204 East Montgomery avenue, \$142,590.

Garage, 1410 North Broad street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, Felt Bros., care of Locust Theatre Co., Fifty-second and Locust streets. Brick, 2 stories, 37x200 feet, slag roof, fire doors, concrete floors, reinforcing bars, waterproofing, metal lath, metal sash, steel rolling doors (electric elevator, gasoline storage system, heating, plumbing, electric work reserved). Architects taking bids, due August 24th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; M. L. Conneen, 2015 Cuthbert street; Barclay White & Co., Perry Building; George Hogg, 1634 Sansom street; John McShain, 1610 North street; E. E. Hollenback, Fifteenth and Race streets.

Armory, Thirty-second and Thirty-third sts. and Lancaster avenue. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owner, State of Pennsylvania, State Armory Board, Major B. W. Demming, secretary, Har-

risburg, Pa. Red tapestry brick, granite and limestone trimmings, 1 story, 129x305x216 feet, slag roof, steel stack, dampproofing, iron stairs, metal lath, safety treads, terrazzo floors (steam heating, electric lighting, plumbing separate bids). Owners taking bids, due September 6th, at 9 A. M. Plans may be obtained from architect upon a deposit of \$25.00.

Church (alts.), Twelfth and Diamond sts., Philadelphia. Engineer, Horace T. Campion, Crozer Building, Philadelphia. Owners, Church of the Annunciation, Walter LeMar Talbot, chairman Building Committee, 6730 North Thirteenth street, Philadelphia. Consists of new front for rectory, new piers and underpinning, tile work, reinforcing bars, structural stool, painting. Engineer taking bids, due August 20th. H. E. Baton, Twelfth and Sansom streets, is figuring.

Residences (90) Carpenter street, Sixty-first to Sixty-second street, Philadelphia. Architect, private plans. Owner, Clarence R. Siegel, Sixty-second and Washington avenue, Philadelphia. Brick, 2 and 3 stories, garages (50), 1 story, hot water heating, electric lighting, hardwood and parquetry floors, tile work. Work about to be started.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Bank and Office Building 1416-1418 Chestnut street, \$600,000. Architects (assoc.), Furness, Evans & Co., Provident Building, Philadelphia, and McKim, Meade & White, 101 Park avenue, New York City. Owners, Franklin National Bank, Broad and Chestnut sts., Philadelphia. Brick, stone and steel, fireproof, bank building, 3 stories, 54x64 feet; office building, 16 stories, 166x54 feet, slag roof, tile and marble work, (heating, plumbing, electric work and elevators reserved). Contract awarded to Cramp & Co., Denckla Building.

Business Building (alt. and add.), 210 and 212 North Broad street. Architect, Chas. E.

Oelschlagel, Harrison Building. Owners, Sacks Bros., 1228 Cherry street. Brick and terra cotta, 5 stories, slag roof, steam heating, electric lighting, elevators, concrete fireproofing, metal lath. Contract awarded to I. T. Shoemaker, 1309 Walnut street.

Garage, 8860 Germantown avenue, Philadelphia. Architect, Chas. E. Oelschlagel, Harrison Building. Owners, Henry A. Laughlin, West Chestnut avenue. Stone and frame, 2 stories, 52x28 feet, slate roof, hot water heating, electric lighting, cement floors. Contract awarded to A. R. Raff, 1635 Thompson street, Philadelphia.

Church (alts.), Fifty-second and Lancaster

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

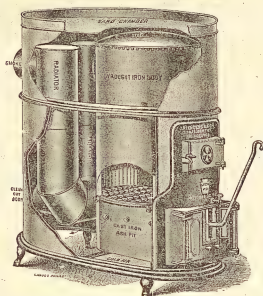
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

The modern device for connecting portable gas appliances such as reading lamps, desk or piano lamps, portable gas heating stoves, chafing dishes, gas irons, etc. from the wall, baseboard or floor is by the use of the Conceal-o-Plate.

Owners or tenants will appreciate one in the bathroom, bedroom, living room, library, dining room and kitchen.

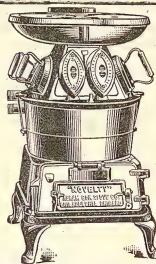
Call up the "Builders and Operators Division" for further information.

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

avenue, Philadelphia. Architect, Geo. I. Lovatt, 418 Walnut street, Philadelphia. Owners, St. Gregory's R. C. Church, Rev. R. F. Hanagan, 5182 Media street, Philadelphia.



"NOVELTY REMINDERS"

THE NEW "NOVELTY" LAUNDRY STOVE

Answers the Growing Demand of House Buyers
in the Most Practical and Efficient Way.

It will Supply **AMPLE HOT WATER AT ALL TIMES** at a Cost of Only a Few Cents a Day; and in addition will also Heat Eight Irons on the Side and a Large Wash Boiler on the Top.

Write for Literature and See Why it is the Most Efficient
Appliance of its Kind

Manufactured by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE.

American and Dauphin Sts.

Consists of alterations to Sanctuary. Contract awarded to Wm. J. McShane, 417 South Thirteenth street, Philadelphia.

Office Building (alts.), southeast corner Third and Walnut streets. Architects, Evans & Warner, Witherspoon Building. Owners, Insurance Co. of North America, 232 Walnut street. Brick and stone, 4 stories, consists of fire tower and interior alterations, metal lath, tin roof, metal windows, electric light. Contract awarded to James H. Wells, Heed Building.

Fire House (alt. and add.), Sommerville and Rising Sun lane. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick and rough cast, 1 story and tower, 26x55 feet, slate roof, metal lockers, wire lath, tile work, waterproofing. Contract awarded to John H. Green Co., 1004 West Lehigh avenue.

Garage, Ruth and Clearfield streets, \$6,600. Architect, private plans. Owners, Horace Linton & Bro., on premises. Brick, 2 stories, slag roof, cement floors. Contract awarded to Harry Moyer, 2029 East Wishart street.

Garage, Fifty-second and Wynnefield ave., \$1,000. Architect, private plans. Owner, Wm. H. Enburg, 1937 North Broad street. Stone, 2 stories, slate roof, hot water heating, electric lighting. Contract awarded to Jas. C. Enburg, 5634 Larchwood avenue.

Trestles (etc.), Morris and Swanson streets, \$35,000. Engineer, Peter S. Gilchrist, Charlotte, N. C. Owners, Baugh & Sons Co., 20 S. Delaware avenue. Consists of trestle, loading towers, railway, etc., timber and steel, slag roofing, fire doors, structural steel. Contract awarded to Elliott Building Co., Hickory, N. C.

Garage, rear of 5015 Knox street. Architect, private plans. Owner, Walter B. Staton, 5015 Knox street. Brick, 1 story, 18x28 feet, slag roof, cement floors. Contract awarded to

Burd P. Evans & Co., Thirteenth and Wallace streets.

Residence and Garage, Carpenter st., Germantown, \$30,000. Architects, E. J. Holmes & Co. and C. Wharton Churchman, 1309 Walnut street. Owner, Sylvain L. Wright, 133 S. Fifth street, Philadelphia. Stone, 2½ stories, 21x72 feet, shingle roof, metal lath, (tile work, oak floors, heating, and electric work reserved). Contract awarded to Stokes Bros., 6723 Musgrave avenue.

Stable (rebuilding), Twenty-first and Pippinett streets. Engineer, S. T. Wagner, Reading Terminal. Owners, Phila. and Reading Railway Co., Reading Terminal. Brick, 2 stories, 62x30 feet, slag roof. Contract awarded to H. C. Rea Co., 1027 Wood street.

Garage and Hall, Twenty-third and Moore streets, \$12,000. Architect, Frank P. Dillon, 1223 South Twentieth street. Owner, James Reilly, Twenty-third and Moore streets. Brick, 2 stories, 98x61 feet, slag roof, steam heating. Contract awarded to H. D. Prettyman, 2603 South Broad street.

Hospital (alts.), Eighteenth and Lombard streets, Philadelphia, \$4,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Polyclinic Hospital, Eighteenth and Lombard streets, Philadelphia. Consists of general alterations, composition roof, metal lath, tile work, electric work (elevator enclosures and iron standards and heating separate bids). Contract awarded to Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Club House (alt. and add.), 1606 North Broad street, Philadelphia, \$5,800. Architect, private plans. Owners, Ancient Order of Hibernians, on premises. Consists of general alterations and additions, slag roof, steam heating, electric lighting. Contract awarded to D. W. O'Dea, 5219 North Fifth street, Philadelphia.

PENNSYLVANIA Construction News

Residence (alt. and add.), Norristown, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Oliver Thornton, 131 East Durham street, Philadelphia. Stone, 2½ stories, slate roof, hot water or steam heating. Plans in progress.

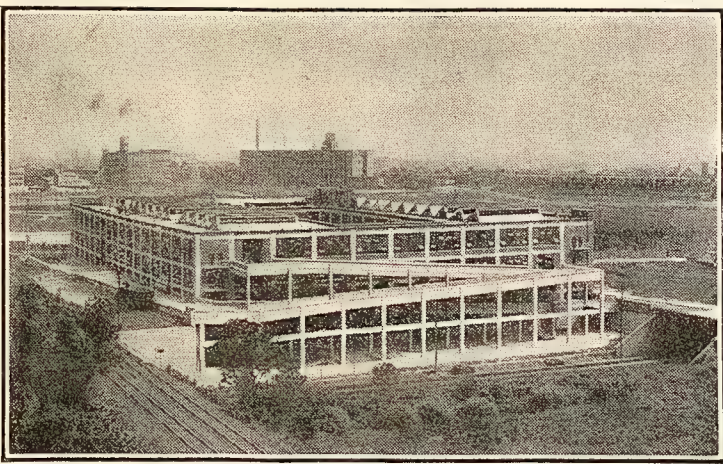
College Building, Gettysburg, Pa. Architect, Geo. C. Baum, 1424 Arch street, Philadelphia. Owners, Pennsylvania College, Gettysburg, Pa. Brick and stone trimmings, 2 stories, 50x150 feet, slate roof, electric lighting, (heating reserved). Architect tak-

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM.
Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., YORK : PA.

HARTMAN BLDG.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

ing bids, due August 31st. The following are figuring: A. R. Raff, 1635 Thompson street, Philadelphia; Jas. Weikert and L. Deihl, of Gettysburg, Pa.; O. H. Hoffstetter, Hanover, Pa.; J. L. Menough, York, Pa.; James Porter, Carlisle, Pa.; Lloyd Cullen, Frederick, Md.; A. R. Warner, Waynesboro, Pa.; D. S. Warefel, Lancaster, Pa.; Joseph W. Pomraning, Harrisburg, Pa.; Barnhardt & Co., Harrisburg, Pa.

School Building (add.), Huntingdon Valley, Pa., \$25,000. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Board of Education, Huntingdon Valley, Pa. Stone, 2 stories, 57x84 feet, slate roof, slate blackboards, (heating, plumbing and electric work separate bids). Owners taking bids, due August 19th. F. B. Davis, 240 North Sixteenth street, Philadelphia, and Frank Heston, Churchville, Pa., are figuring, in addition to those previously reported.

Bridge, Schuylkill avenue, Reading, Pa. Engineer, S. T. Wagner, Reading Terminal, Pa. Owners, Phila. & Reading R. R. Co., Reading Terminal, Philadelphia. Reinforced concrete, 102 feet long, waterproofing. Owners taking bids, due August 18th. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Bridge, Fourth street, Reading, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading R. R. Co., Reading Terminal, Philadelphia. Reinforced concrete, 100 feet long, waterproofing. Owners taking bids, due August 16th. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Sewage Pumping Station, West Chester, Pa. Engineers, Remington & Vosburg, 601 Market street, Camden, N. J. Owners, Borough of West Chester, W. S. Underwood, clerk, West Chester. Consists of a complete sewage pumping station and cast iron force main. Owners taking bids, due August 25th, at 8 A. M. Plans may be obtained from engineers on deposit of \$5.00.

Residence, Norristown, Pa., \$20,000. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owners, F. B. Wildman, 811 W. Main street, Norristown. Stone, 2½ stories, slate roof, heating not decided, electric lighting, hardwood floors, tile work. Plans in progress.

Residence (alts.), Sanatoga, Pa. Architect, H. B. Weldon, 1606 Cherry street, Philadel-

phia. Owners, John C. Gilpin, West End Trust Building, Philadelphia. Stone, 2½ stories, consists of general remodeling of former house, shingle roof, hot water heating. Plans in progress. Owners will sub-let all contracts.

High School, Lansford, Pa., \$150,000. Architects, Tooker & Marsh, 101 Park avenue, New York City, and John T. Simpson, Essex Building, Newark, N. J. Owners, Board of Education, Thomas F. Whilden, secretary, Lansford. Brick and stone, concrete and steel, fireproof, 3 stories, 135x121 feet, slag roof, dampproofing, fire doors, concrete floors, reinforcing bars, wire lath, safety treads, tile and marble work, elevator, slate blackboards. Two lowest bidders: W. A. Stein & Bro., Allentown, Pa., \$123,550; United Fireproofing Co., 8 West Forty-ninth street, New York City, \$125,668.

School, Marcus Hook, Pa., \$35,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Mr. Ottey, president, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slag roof, metal lath, slate blackboard, (heating, plumbing, electric work separate bids). Owners are taking bids.

Arsenal (add.), Harrisburg, Pa. Architect, C. A. Keyworth, State Capitol, Harrisburg, Pa. Owners, State of Pennsylvania, Department of Public Grounds and Buildings, Samuel B. Rambo, superintendent, Harrisburg, Pa. Brick and terra cotta, concrete and steel, fireproof, 2 stories, 61x210 feet, slag roof, steel sash, fire doors, reinforcing bars. Lowest bid submitted by Beard Construction Co., Reading, Pa., \$38,435.

Sunday School, North Wales, Pa. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Sanctuary M. E. Church, North Wales, Pa. Stone, 2 stories, slate roof, steam heating, electric lighting. Owners have received bids.

Residence, Morris Heights, Pa. Architect, Walter Thomas Mayo, 1701 Chestnut street, Philadelphia. Owner, Ellwood Ivins, 58 Delaware avenue, Trenton, N. J. Brick and frame, 2½ stories, 35x40 feet, shingle roof, heating not decided, electric lighting. Plans in progress. Architect will take bids in about three weeks.

Hall Building, Ardmore, Pa., \$25,000. Architect, H. L. Reinhold, Jr., 1309 Walnut st., Philadelphia. Owners, Cassia Lodge No. 273,



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

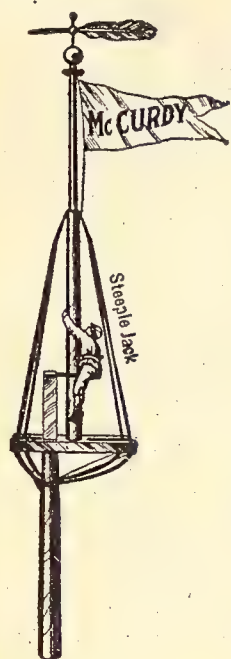
Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



FLAG POLES and Fittings

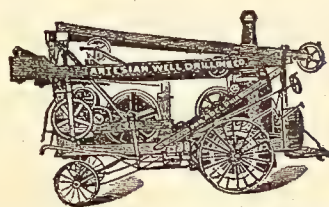
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

—
**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

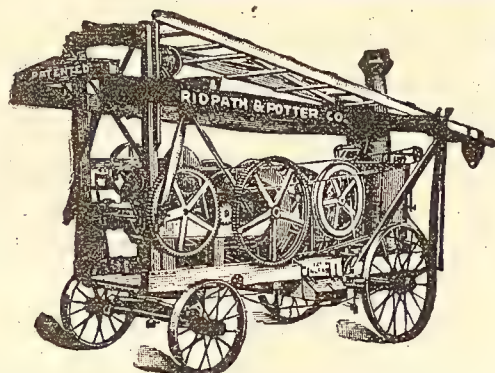
Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

F. & A. M., Ardmore, Pa. Stone, 2 stories, steam heating, electric lighting, metal lath, dampproofing. Revised plans about completed. Architect will take bids as soon as owners approve plans.

Town Hall, Schuylkill Haven, Pa., \$6,000. Architect, Wayne M. High, Moore Building, Reading, Pa. Owners, Borough of Schuylkill Haven, Robert Hoffman, chairman, Schuylkill



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

Haven, Pa. Brick and steel, 2 stories, 36x44 feet, slate roof, steam heating, electric lighting, metal lath. Plans in progress. Owners will take bids in about two weeks.

Sewage Disposal Plant, Lebanon, Pa. Engineer, James H. Fuertes, 140 Nassau street, New York City. Owners, City of Lebanon, D. M. Sharp, city clerk. Consists of complete disposal plant, grit chamber, pump house, tanks, settling basins, etc. Owner taking bids, due August 18th, at 5 P. M. Plans may be obtained from engineer or owners upon a deposit of \$25.00.

Residence, Moylan, Pa. Architect, Thomas B. Lippincott, 34 South Seventeenth street. Owner, J. Passmore Elkinton, 121 South Third street. Hollow tile and plaster, 2½ stories, 52x27 feet, wing 10x16 feet, slate or shingle roof, oak floors, (heating and electric work reserved). Architect taking bids, due August 20th. The following are figuring: James B. Flounders, 1329 Arch street; Boyd & Carmichael, 1520 Fairmount avenue; Harry Davis, 5100 Westminster avenue; Herbert Walton, Moylan, Pa.; Lindsay & Moorehouse, Media, Pa.; Chas. T. Moore, Lansdowne, Pa.

Residence, West Chester, Pa. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, G. H. McFarland, West Chester, Pa. Stone, 2½ stories, 45x28 feet, wing 22x20 feet, shingle roof, oak floors, (plumbing, heating, electric and tile work reserved). Architect taking revised bids. Joseph M. Burns, and Smedley & Hoopes, West Chester, Pa., are figuring.

Residence (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton. Owner, Herman M. Arkin, Easton, Pa. Brick, 3 stories, 24x50 feet, slag roof, steam heat, electric light. Plans in progress.

Silk Mill (add.), Kutztown, Pa., \$18,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner's name withheld. Brick, 2 stories, 66x50 feet, slag roof, steam heating, electric lighting, fire tower. Plans in progress. Architect will take bids in one week.

Residence (alt. and add.) and Garage, Easton, Pa., \$14,000. Architect, William M. Michler, Drake Building, Easton, Pa. Owner, Frank McKelvey, Easton, Pa. Stone, 3 stories, slate roof, electric lighting, dampproofing, hardwood floors, tile work. Architect has received bids and will soon award contract.

Residence, Catasauqua, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, James Troxell, Catasauqua, Pa. Stone and shingle, 2½ stories, 24x46 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence, Fountain Hill, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner,

Webster Newrough, Fountain Hill, Pa. Brick and shingle, 2½ stories, 24x42 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence and Store, Cross Roads, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, William Bohem, Cross Roads, Pa. Brick, 2½ stories, 45x68 feet, slate and slag roof. Steam heating, electric lighting. Plans in progress. Owners will take sub-bids.

Residence (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, Eastern National Bank Building, Easton, Pa. Owner, Dr. Elmer J. Dick, Easton, Pa. Stone, 1 story, 18x20 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors, dampproofing. Plans in progress.

School Building, Marcus Hook, Pa., \$35,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Mr. Ottey, president, Marcus Hook. Brick, 2 stories, 45x104 feet, slag roof, metal lath, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due August 23rd at 5 P. M. F. W. Van Loon, Denckla Building, Philadelphia, is figuring. Plans may be obtained from architect on deposit of check for \$25.00.

Residence, Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton. Owner, George Weaver, Easton, Pa. Brick and shingle, 2½ stories, 16x35 feet, slate roof, hot air heating, electric lighting. Architect taking bids. Fred Davis, Easton, Pa., is figuring.

Church (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton. Owners, St. Anthony of Padua's R. C. Church, Rev. John D'Arais, Easton, Pa. Stone and steel, 2 stories, 40x125 feet, slate roof, electric lighting. Plans in progress.

Street Paving, etc., Valley Forge, Pa. Engineer, J. C. Clarke, 135 South Twelfth street, Philadelphia. Owners, Valley Forge Park Commission, Commercial Trust Building, Philadelphia. Consists of new roads, curbing, brick gutters, stone paving, inlets and outlets. Owners taking bids, due August 27th at 11 A. M. Plans may be obtained from engineer on deposit of \$10.00.

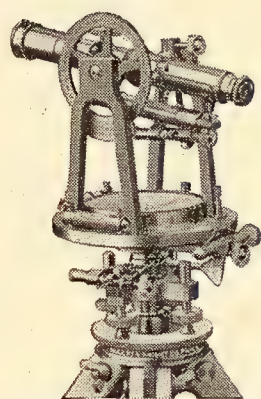
Bridges (3), Milton, Pa. Engineer, S. T. Wawner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Concrete piers and steel girders, waterproofing. Owners taking bids, (due August 21st. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Residence, Collegeville, Pa. Architects, Lachman & Murphy, Witherspoon Building,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



We want every **BUILDER, ARCHITECT** and **CONTRACTOR** to call here at our **Factory and Sales-room** and examine our **1916 Model No. 25.**

"Sterling" Contractors' Transit

You will find it in the "last word" in instrument construction.

DESIGNED AND MADE BY

WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

PHILADELPHIA

We
repair
Transits
Levels
Tapes

Rebuilt
Instruments
For Sale
or Rent

Philadelphia. Owner, A. J. Bernhart, Pottstown, Pa. Rough cast, 2½ stories, tile roof, steam heating, electric lighting, tile work, hardwood floors. Owner is ready for bids.

Grading and Road Work, Merion, Pa. En-

gineer, private plans. Owners, property owners, care of William H. Steigerwalt, Crozer Building, Philadelphia. Consists of grading and building road on Highland avenue. Owners taking bids, due August 30th, at 2 P. M.

PENNSYLVANIA

Contracts Awarded

Club House (alt. and add.), Chester, Pa., \$3,700. Architect, Alpha Boat Club, Commodore Chas. B. Mould, 416 Penn street, Chester, Pa. Frame, 2 stories, 36x32 feet, kitchen wing, 12x12 feet, asbestos shingle roof, electric lighting. Contract awarded to H. Louis Morris, 312 West Seventh street, Chester, Pa.

Residence, Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Mrs. Russell N. Berger, Lansdowne, Pa. Frame and stucco board, 2½ stories, 37x29 feet, shingle roof, hot air heating, electric lighting. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

School Building, Merion, Pa. Architect, private plans. Owner, Miss G. Hartman, Bryn Mawr, Pa. Frame and plaster, 1 story, 45x58 feet, shingle roof, hot air heating, electric lighting. Contract awarded to Chas. C. Pace, Merion, Pa.

Residence, Haverford, Pa., \$35,000. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owner, Sydney Thayer, Merion, Pa. Stone, hollow tile and plaster, 2½ stories, slate roof, vapor heating, metal weather strips, oak floors, electric lighting, tile work. Contract awarded to Metzger & Fisher, Denekla Building.

Twin Residences, Hamburg, Pa., \$10,000. Architect, E. Z. Scholl, 30 North Sixth street, Reading, Pa. Owner, Adam Bodenhorn, Ninth and Penn streets Reading, Pa. Brick, 2½ stories, 32x65 feet each, slate roof, tile work, hardwood floors. Contract awarded to H. K. Warner, Hamburg, Pa.

Twin Residences, Reading, Pa., \$6,000. Architect, C. J. Young, 520 Washington st., Reading. Owners, H. J. and J. H. Selig, Reading, Pa. Brick, 3 stories, 36x60 feet, tin and slate roofs, hot water heating, electric lighting. Contract awarded to Wm. Burkey, Reading, Pa.

Residence, Annville, Pa. Architect, Wayne M. High, Moore Building, Reading, Pa. Owner, Dr. Geo. R. Shenk, Annville, Pa. Brick and frame, 2½ stories, 28x29 feet, shingle roof, hot water heating, electric lighting, tile work. Contract awarded to D. H. Saylor, Annville, Pa.

Residence (alt. and add.), Oakmont, Pa., \$6,500. Architect, private plans. Owner, Joseph R. Connell, Land Title Building, Philadelphia. Rough cast, 2½ stories, shingle roof, electric lighting, oak floors, tile work (heating reserved). Contract awarded to Charles C. Pace, Merion, Pa.

Residence (alt.), Haverford, Pa. Architects, E. J. Holmes & Co. and C. Wharton Churchman, 1311 Walnut street. Owner, C. A. Ha-

gen, Haverford, Pa. Frame, consists of new porch and interior alterations, shingle roof, hot water heating, electric lighting (tile work reserved). Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

Residence, Flourtown Road. Architect, Joseph T. Sims, Provident Building, Philadelphia. Owner, Michael Langan, Chestnut Hill, Philadelphia. Brick, 2 stories, slate roof, hot water heating, electric lighting. Contract awarded to George S. Roth & Son, 230 East Gravers lane.

Office Building, Catasauqua, Pa., \$10,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Bryden Horse Shoe Co., Catasauqua, Pa. Brick, 1½ stories, 66x35 feet, tile roof, electric lighting, dampproofing (heating reserved). Contract awarded to Litzenberger & Yonker, Catasauqua, Pa.

Twin Residence, Easton, Pa. Architect, William M. Michler, Drake Building, Easton. Owner, Miss Francis Michler, Easton, Pa. Brick and stucco, 2½ stories, 57x40 feet, slate roof, hot air heating, electric lighting, hardwood floors, metal lath. Contract awarded to Asa Smith & Son, Easton, Pa.

"I like 'The Guide,'" writes an old subscriber, "because it devotes space to the builder and the material man as well as the architect. Most of the so-called architectural journals are made up of fine writing and pretty pictures, with more pictures than anything else." Yes, and after the pictures have been culled out, the little that remains finds its way into the scrap basket unread. Don't take our word for this, Mr. Advertiser. Just investigate.

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

Don't expect outsiders to give you a big rating on a one-inch space.

New Jersey Construction News

NEW JERSEY CONST. NEWS (sx-1,

Professionals House, Summer, N. J. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owners, Pine Valley Golf Club, Summer, N. J. Frame, 2 stories, 36x24 feet, shingle roof, hot air heating. Architect taking bids, due August 23d. The following are figuring: Milton W. Young, Overbrook; E. J. Kreitzburg, 1345 Arch street; Specht & Sperry, Heed Building.

Hospital (add.), Millville, N. J. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owners, Millville Hospital, Millville, N. J. Brick, hollow tile and stucco, 2 stories, addition to hospital and nurses' home, slate roofs, steam heating, electric lighting, metal lath, tile work. Plans in progress.

School (add.), Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City. Owners, Board of Education, I. I. Young, secretary, Atlantic City. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 90x150 feet, slag roof, mechanical heating plant, electric lighting, waterproofing, metal lath, tile work, slate blackboards. Plans completed. Owners will advertise for bids in a few days.

Rectory, Collingswood, N. J. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, First M. E. Church, Rev. Alfred Wagg, Collingswood, N. J. Stone and brick, 2½ stories, 37x51 feet, slate roof, vapor heating, electric lighting, tile work, metal lath. Owners taking bids, due August 21st. The following are figuring: J. Robbins, Roy Oliphant, A. K. H. Doughty, A. Geschke, all of Collingswood, N. J., and J. W. Draper, 436 Haddon avenue, Camden, N. J.

Factory (fire repairs), Camden, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, Collings Carriage Co., Inc., 110 Federal street, Camden. Brick, 4 stories, slag roof, (electric work reserved). Architect taking bids, due August 19th. The following are figuring: McCloskey & Bahls, Hale Building; J. F. McCloskey, 210 New st., Philadelphia; J. W. Draper, 436 Haddon avenue; Geo. Bachman, 19 North Thirtieth street; Wm. Wrixford, 525 Market street; Harry Sharp, all of Camden, N. J.

Bungalow, Pine Valley, N. J. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Joseph H. Baker, 3800 Girard avenue, Philadelphia. Frame, 2 stories, 30x50 feet, asbestos shingle roof, hot air heating, electric lighting, tile work. Architect taking bids, due August 30th. The following are figuring: Milton W. Young, Overbrook, Philadelphia; William Congezar, Haddon Heights, N. J.; H. W. Walker, Gloucester, N. J.; J. S. Rogers & Co., Moorestown, N. J.; George W. Shaner & Son, Palmyra, N. J.; M. T. James, Merchantville, N. J.; E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Sunday School Building, Camden, N. J., \$30,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, State Street M. E. Church, Camden, N. J. Stone, 2 stories, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in one week.

High School, Wildwood, N. J., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of W. C. Todd, secretary, Wildwood, N. J. Brick, 2 stories, 138x156 feet, asbestos roof, concrete fireproof floors (heating, plumbing and electric work separate bids). Owners taking bids, due September 14th. Plans may be obtained from architect upon deposit of \$25.00.

Work Shop (add.), Morris Plains, N. J. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State

Hospital for Insane, Morris Plains, N. J. Brick, 2 stories, 30x35 feet, slag roof (steam heating, plumbing and electric work separate bids). Owners taking bids, due August 25th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; Herman Voigt, Twenty-eighth and Girard avenue, Philadelphia; Charles Y. Barlow, Trenton, N. J.; Jersey City Construction Co., 75 Montgomery street, Jersey City, N. J.; McMiller Construction Co., 738 Broad street, Newark, N. J.; J. J. Lyons, Morristown, N. J.

Residence, Cream Ridge, N. J., \$3,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Joseph Holmes, Cream Ridge, N. J. Brick, 2 stories, 29x34 feet, slate roof, heating not decided. Plans in progress.

Factory, Trenton, N. J., \$11,000. Engineers, N. A. K. Bugbee & Co., 20 East Hanover street, Trenton. Owners, Calhoun Realty Co., Trenton, N. J. Brick and steel, 1 story,

60x100 feet, slag roof, steam heating, electric lighting, cement floors. Owners are taking sub-bids.

Residence (alt. and add.), Lambertville, N. J. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, Harry W. Davis, Lambertville, N. J. Brick, 2 stories, 20x20 feet, slate roof, steam heating, electric lighting, tile work. Owner is ready for bids.

Laboratory Building, Trenton, N. J., \$12,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Geological Survey, Trenton, N. J. Brick, 3 stories. Details not decided. Plans in progress.

Covered Passageway, Glen Gardner, N. J., \$3,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Tuberculosis Hospital, Glen Gardner, N. J. Frame, 1 story, 150x12 feet. Plans about completed. Owners will soon advertise for bids.

Club House, Wilmington, Del. Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owners, B. P. O. E., No. 307, Wilmington, Del. Brick and terra cotta, 3 stories, 74x80 promenade tile roof, tile and terrazzo floors, metal lath, dampproofing, steel sash, (heating and electric work reserved). Architect taking revised bids, due August 19th. The following are figuring: W. D. Haddock & Co., 804 Orange street; J. E. Healy & Son, 707 Tatnall street; A. S. Reed & Bro. Co., 815 Shipley st.; Egbert Nutter, 6 West Thirtieth st.; Joseph Schunder, 600 Rodney street; George B. Charles, 1109 Lincoln street, all of Wilmington, Del.

Miscellaneous

Contracts Awarded

Office Building, Ninth and Orange streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Perpetual Saving and Loan Association, Wilmington. Tapestry bricks and terra cotta, 3½ stories, 20x60 feet, slag roof, steam heating, electric lighting, tile work, oak floors, metal lath, dampproofing. Contract awarded to Chas. J. Dougherty, 1809 Lincoln street, Wilmington, Del.

Residence, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington. Owner, name withheld. Stone and stucco, 3 stories, 54x40 feet, slate roof, vapor heating, electric light, hardwood floors, tile work, metal lath. Contract awarded to W. Howard May, 1019 Rodney street, Wilmington.

Residence, Centerville, Del., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Henry M. Canby, Equitable Building, Wilmington, Del. Stone, rough cast, 2½ stories, 54x33 feet; 2 wings, 26x28 feet each, shingle roof, hardwood floors, tile work (hot water heating, electric lighting and plumbing reserved). Contract awarded to Milton M. Young, Overbrook, Pa.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

NEW JERSEY Contracts Awarded

Wagon Factory, Fifth street, above Market street, Camden, N. J., \$50,000. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, E. & R. Preisendanz, 15 Market street, Camden, N. J. Brick and reinforced concrete, 4 stories, 96x100 feet, slag roof, steel sash, fire doors, waterproofing, reinforcing bars (electric lighting, elevators, steam heating, sprinklers reserved). Contract awarded to Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

School, Lambertville, N. J., \$30,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Board of Education, Lambertville, N. J. Brick, 2 stories, 110x67 feet, slate roof (steam heating, combination lighting and plumbing separate bids), metal lath. Contract awarded to Fred R. Parker, 327 Calhoun street, Trenton, N. J.

Residence, Trenton, N. J., \$9,600. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Dr. Frederick Collier, Belmont Circle, Trenton, N. J. Brick, 2½ stories, 50x35 feet, slate roof, tile and hardwood floors (steam heating and combination lighting separate bids), metal lath. Contracts awarded: Carpenter work, to Edward A. Lee; mason work, to W. J. & J. H. Morris, both of Trenton, N. J.

School Buildings (2), Harborton, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Pennington Township Board of Education. Frame, 1 story, 69x30 feet, shingle roof. Contracts for carpenter work awarded to Jesse C. Vannon; mason work, to Leon A. Chatten, both of Pennington, N. J.

Store and Residence, Clinton and Jefferson streets, Trenton, \$6,000. Architect, private plans. Owner, R. V. Kuser, Trenton, N. J. Brick, 3 stories, 54x54 feet, tin roof, steam heating, electric lighting. Contract awarded to Joseph Eisenbach and Fred Machelis, both of Trenton, N. J.

Residence, North Olden avenue, Trenton, N. J., \$5,000. Architect, H. A. Pette, 131 Jackson street, Trenton, N. J. Owner, Andrew Mieskowski, Trenton, N. J. Brick, 2 stories, 25x22 feet, tin roof, steam heating, combination lighting. Contract awarded to Alex Moyeski, Trenton, N. J.

Stores and Residences (2), North Hermitage avenue, Trenton, \$6,000. Architect, private plans. Owner, C. O. Lutes, Trenton, N. J. Brick, 2 stories, 35x40 feet, slate roof, hot water heating, combination lighting. Contract awarded to John P. Corrigan, 618 Stuyvesant street, Trenton, N. J.

Miscellaneous Construction News

Church, House, Detroit, Mich. Architects, Smith, Hinchman & Grylls, Detroit. Owners, Central M. E. Church, Detroit, Mich. Brick, stone, reinforced concrete and steel, fireproof, 5 stories, 105x100 feet, slag and slate roof, reinforcing bars, waterproofing, iron stairs, steel sash, metal doors, tile and marble work, composition flooring, metal lath, parquet floors, (heating and electric work and elevators reserved). Architects taking bids, due August 19th. Irwin & Leighton, 126 North Twelfth street, are figuring.

School Building, Wilmington, Del., \$30,000. Architects, E. L. Rice, Jr., Co., 815 Market street, Wilmington. Owners, Board of Education, H. J. Guthrie, secretary, 612 Harrison street, Wilmington, Del. Brick and steel, 2½ stories, 90x50 feet, slag roof, steam heating, electric lighting, dampproofing, fire escapes, metal ceilings. Plans in progress.

Realty Building, East Newmarket, Md., \$20,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Trade, East Newmarket, Md. Brick, 2 stories, 60x100 feet, slag roof, steam heating, electric light. Owners taking sub-bids on all lines.

Apartment House, Washington, D. C. Architect, J. H. De Sibour, Washington, D. C. Owner, Mrs. Stanley McCormick, Washington, D. C. Brick, stone and concrete, and steel fireproof, 5 stories, 100x100 feet, tile, slate and slag roof, vapor heating, electric lighting, kalamein doors, metal sash, reinforcing bars, composition flooring, waterproofing, metal lath, steel stack, tile and marble work, oak flooring. Architect taking bids, due August 19th. Chas. Gilpin, Harrison Building, Philadelphia, is figuring, in addition to those previously reported.

MARYLAND Construction News

High School, Roland Park, Baltimore, Md. Architects, Wyatt & Nolting, Keyser Building, Baltimore. Owners, Board of Education of Roland Park. Brick and stone, 3 stories, slate roof, electric lighting, slate blackboards. Plans about completed. Owners will take bids in a few days.

Store Building (alt. and add.), 10 and 12 North Howard street, Baltimore. Architect, Louis Levi, Munsey Building, Baltimore. Owners, Meyer & Thalheimer, Baltimore and Howard streets. Brick, 3 stories, consists of new front and interior alterations, steam heating, electric lighting. Plans in progress.

Store Building, 518 North Charles street, Baltimore. Architect, Theodore Wells Pietsch,

American Building, Baltimore. Owner, J. Marshall Thomas, Baltimore, Md. Brick and marble front, 2 stories, slag roof, steam heating, electric lighting. Plans in progress.

Residences (20), Forrest Park, Md. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owner's name withheld. Frame and stucco, 2½ stories. Builder, Andrew Knell, Jr., 215 St. Paul street, Baltimore, is taking sub-bids on all lines.

Apartments, Ten Hills, Md., \$5,000. Architect, J. R. Gering, 1811 Ashherton avenue, Baltimore, Md. Owner, Philip Cugle, 605 West North avenue, Baltimore. Frame, 2 stories. Architect is taking sub-bids on all lines.

Charles K. Rightly (O), 7036 Woodland avenue. Cost, \$12,600. Seven dwellings, brick, 2 stories, 16x38 feet, Sixty-fifth and Greenway avenue.

John M. Sutton (O), Union avenue, Oak Lane. F. & L. Davis (C), Thirteenth and Nedro avenue. Cost, \$3,500. Dwelling, stone, 3 stories, 19x45 feet, Broad street and Sixty-ninth avenue.

William Hodgen (O), 2711 East Allegheny avenue. F. J. Janisqewsk (C), 2711 East Allegheny avenue. Cost, \$5,300. Four dwellings, brick, 2 stories, 15x47 feet, Belgrade and Westmoreland streets.

Levy Harrison (O), Twelfth and Race sts. H. P. Schneider (C), 3713 Old York road. Cost, \$9,000. Dwelling, brick, 3 stories, 18x67 feet, 2326 North Broad street.

Harold S. Swope (O), 5928 Frankford st. Cost, \$10,300. Four dwellings, brick, 3 stories, 15x49 feet, 5016-22 Frankford avenue.

City of Philadelphia (O), City Hall, Philadelphia. Wilbert Beaumont (C), Stephen Girard Building. Cost, \$53,000. School, brick, 3 stories, 74x93 feet, Sixth and Hunting Park avenue.

Hancellon Rementer (O), Grant avenue, Torresdale and Ditman streets.

MARYLAND Contracts Awarded

Factory Building, Hull street, Locust Point, Baltimore, \$55,000. Architect, private plans. Owners, G. Ober & Sons, U. S. Fidelity and Guaranty Building, Baltimore. Brick and steel, 1 story, 176x334 feet. Contract awarded to Sanford & Brooks Co., Commerce and Water streets, Baltimore.

Factory (add.), Hollingsworth street, south of Lombard street, Baltimore, Md., \$5,500. Architect, private plans. Owners, The Deford Co., 40 South Calvert street, Baltimore. Brick, 5 stories, slag roof. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore.

Parochial School (add.), Catonsville, Md. Architect, private plans. Owners, Parental School of St. Mary's Industrial School, Catonsville, Md. Brick and stone, 2 stories, 40x60 feet. Contract awarded to Charles Herbold & Sons, Gorchor and Kennedy avenues, Baltimore.

Residence, Worton, Md. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Mrs. N. B. Costelle, Worton, Md. Brick, 2½ stories, 47x85 feet, shingle roof, oak floors, warm air heating. Contract awarded to W. S. & A. M. Culp, Chestertown, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Fannie and Morris Feldman (O), 410 McKean street. Cost, \$15,000. Ten stores and dwellings, A and Lippincott streets.

Joseph Sandberg (O), Eighty-fourth and Destriel avenue. Schoeltz Company (C), Eighty-eighth and Eastwick avenue. Cost, \$4,350. Dwelling, brick, 2 stories, 17x60 feet, Eighty-eighth and Tinicum avenue.

Kensington Realty Company (O), 3044 North Twenty-third street. Cost, \$27,800. Ten stores and dwellings, brick, 2 stories, 15x30 feet, Kensington avenue and Airdrie streets.

Mrs. J. Kilgallin (O), 2726 Kensington avenue. Fred S. Hudson (C), 2538 Sepviva street. Cost, \$3,100. Store and dwelling, brick and stone, 3 stories, 17x49 feet, 2726 Kensington avenue.

Joseph Reiley (O), Twenty-third and Moore streets. H. D. Prettyman (C), 2603 South Broad street. Cost, \$12,000. Garage and hall, brick, 2 stories, 98x61 feet, Twenty-third and Moore streets.

John J. Hurley (O), 503 East Monastery avenue. Cost, \$5,000. Two dwellings, stone, 2 stories, 15x46 feet, Ridge avenue and Monastery avenue.

Board of Education (O), Land Title Building. William R. Dougherty (C), 1610 Sansom street. Cost, \$68,000. School, brick, 2 stories, 121x75 feet, Cheltenham and Rising Sun Lane.

John Grof (O), 1012 Walnut street. Kessler Cont. Co. (C), 931 Drexel Building. Cost, \$8,000. Factory, brick, 41x135 feet, A and Courtland streets.

Michael Stevens (O), 910 Fanshaw street. Cost, \$5,000. Two dwellings, brick and stone, 2½ stories, 16x40 feet, Oakley and Wemuh streets.

John H. Earle (O), 1800 Orthodox street. C. C. Cam (C), 1654 Dyre street. Cost, \$4,500. Store and dwelling, brick, 3 stories, 20x61 feet, Orthodox and Hawthorne streets.

William H. Enburg (O), 1937 North Broad street. James C. Enburg (C), 5634 Larchwood street. Cost, \$1,050. Garage, stone, 2 stories, 21x25 feet, Fifty-second and Wynnefield avenue.

Ed. Mason (O), 2028 Sterner street. Frank Deitrick, Jr. (C), 1828 Schiller street. Cost, \$2,700. Dwelling, brick, 2 stories, 16x45 feet, Herbert and Horrick streets.

William Caskey (O), Beach and Norris streets. Hoffman Eng. and Cont. Co. (C), Pennsylvania Building. Cost, \$9,000. Foundry, brick, 50x90 feet, Richmond and York streets.

Elva F. Hegumbotham (O), Caster road. Frank M. Hale (C), 1332 Airdrie street. Cost, \$4,000. Dwelling, brick, 3 stories, 20x47 feet, Cottman and Oxford streets.

Alterations and Additions

George Endress (O), Third and Fairmount avenue. Schreiber & Steinhamer (C), 5424 North Fifth street. Cost, \$2,400. Garage, Lawrence and Tabor road.

Mrs. Rosenbaum (O), 2319 North Broad street. Matthew Morrison & Son (C), 2322 North Howard street. Cost, \$350. Store, Fourth and Daly streets.

William Jones (O), 4801 North Broad st. H. S. Levitt (C), 316 Callowhill street. Cost, \$700. Garage, 4800 Old York road.

William J. Moore (O), Lehigh and Miller streets. John Jameson (C), 2581 Huntingdon street. Cost, \$450. Dwelling, Lehigh avenue and Miller street.

B. Bornstein (O), 1510 North Franklin street. Cost, \$1,000. Store and dwelling 1001 South Fifth street.

S. & A. Rosenblatt (O), 2605 Germantown avenue. Cost, \$5,000. Store and dwelling, 2649 Germantown avenue.

Horace Linton & Bro. (O), Clearfield and Ruth streets. Harry Moyer (C), 2029 East Wishart street. Cost, \$6,600. Garage, Ruth and Clearfield streets.

J. R. McAllister (O), Franklin Bank Building. J. S. Cornell & Son (C), Land Title Building. Cost, \$1,000. Residence, Seminole avenue and Hartwell street.

Thomas Merkel (O), 130 East Mentor st. Cost, \$700. Shop, Rockland and Mascher sts.

David Pearson (O), 5939 Drexel road. Chas. C. Pace (C), Merion, Pa. Cost, \$500. Dwelling, 5939 Drexel road.

H. Craighead (O), 444 Martin street. Brown Const. Co. (C), 4600 Main street. Cost, \$1,600. Garage, 4417 Mitchell street.

A. Steppacher (O), 1422 Susquehanna avenue. Basch & Co. (C), 1426 South Front street. Cost, \$975. Store, 1422 Susquehanna avenue.

Dr. J. Homer (O), 1427 North Tenth street. Jacob S. Kear (C), 440 Federal street. Cost, \$975. Store and dwelling, 1429 North Tenth street.

Mrs. E. W. Webb (O), 733 North Forty-fourth street. C. Stuhlmann (C), 871 Belmont avenue. Cost, \$1,200. Dwelling, 609 North Forty-third street.

Estate of John Borden & Bro. (O), 637 North Nineteenth street. Cost, \$300. Dwelling, 1502 North Twelfth street.

John Q. Gibson (O), Standard Theatre. Charles P. Biggins (C), 1829 Harlan street.

(Continued on page 534.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY
Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., AUGUST 18, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brookie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

A. Raymond Ellis, an architect, of Hartford, Connecticut, delivered an address recently, on "The Architect and His Duties," in which he recounts, in an interesting way, some of the experiences which fall to the lot of the architect in dealing with his client.

"Duties of the architect," says Mr. Ellis, "have increased until the question arises: 'Is architecture a business or a profession?' The answer is: A business for some, a profession for others, an avocation to a third class and to the majority an honorable and inspiring profession in the highest sense of the word. The architect has to be a number of things that the usual professional man is not. He must be a good housekeeper, something of a lawyer and neighbor, and must know the fundamentals of sanitation for his professional qualifications, as well as being a fair plumber, steam fitter and electrician, a good painter, an excellent carpenter and mason. He must know something about real estate and insurance and the law concerning contracts and agents. I sometimes wonder if an architect is not a jack-of-all-trades.

"There is no doubt that a skillful architect can by clever planning, secure maximum accommodations in a given space, or by ingenious arrangement of materials secure a handsome building from materials of moderate cost.

"The preliminary estimate is not generally understood. There are so many classes of buildings, in which no one can foretell with any accuracy what the client is going to want, that any estimate before sketches and a brief specification are made must be approximate. The client should realize that an architect is not a magician. He is just as dependent as the owner or the contractor. He cannot, by a wave of his hand or pencil, make a \$10,000 house cost \$5,000.

* * *

"The question of how much a building will cost before the sketches are made is as unanswerable as the proverbial one of how long is a piece of string; and a business man, astute enough in the ordinary relations of life, often undertake building in a manner which is most unbusinesslike. An architect who has studied the history of architecture is particular to keep his designs in the style they belong. Sometimes a client's ignorance leads him to insist on certain forms entirely foreign to the design and the architect, not wishing to displease, permits these to go unchallenged, but it is safe to say that any good architect will first try to convince his client of his error, rather on the reputation of both.

"The architect's first sketches are made on paper, in pencil, which are revised at the client's suggestion until finally approved. Then the working drawings are made, from which blue prints are taken, and these are

furnished to the contractors to estimate upon and, later, to build from.

* * *

"Usually the contract is given to the lowest bidder. Sometimes the low bidder discovers after starting the work that he figured too close to the cost to perform the work as required with any profit to himself, or has omitted something. This is an unfortunate handicap to start with and puts the architect at a great disadvantage in securing good results. Sometimes the discrepancy is apparent in the figures. Therefore, it is customary to insert in the specifications this clause: 'The owner reserves the right to reject any and all bids,' so that the architect can advise that the contract be awarded to the next highest bidder, or to the man whose ability he has the most confidence in.

"Sometimes exasperating delays occur, caused by one sub-contractor being delayed finishing work elsewhere before he can move his men, or the material men are slow about delivery, or something happens at the mill and the finish is delayed, or there is a misunderstanding which causes the owner to worry, but it is so in every business to-day. There must be a clear understanding as to what the owner is to receive from his contractor, and also what is due him from his architect, set forth in a written contract.

* * *

"The architect has many duties. He is the professional adviser of his client and he is the representative and agent of his employer in the supervision and execution of the contract made between the owner and the general contractor. It is now customary for the contract between the owner and the contractor to name the architect as referee for the interpretation of the contract, and, to a great extent, as the arbitrator of rights and duties thereby created.

"General contractors who do not fulfill the duties of a general contractor are liable under the law for failure to complete according to plans and specifications. If the contractor refuses or from inefficiency and carelessness neglects his duties, the owner cannot demand that the architect fulfill the duties of contractor or foreman. The owner is liable for any extra expense the architect is put to by the delinquency, delay or insolvency of the contractor on his work.

"The problem of housing is brought about by cheap growth and development without proper architectural advice, including poor planning, faulty construction and defective sanitation, aggravated by the greed of some landlords, as well as the carelessness of tenants and ignorance of the laws of hygiene. The result of bad housing is ill health, both physical and moral, and thereby industrial inefficiency, unemployment and a long chain

of social maladies which are very costly to the community and which place a heavy handicap upon individual and social achievement.

"The man who runs into debt heedlessly has to crawl out laboriously. But debt incurred in a common-sense way is justifiable; in fact, business is based on it. Isn't the man who wants to build a home of his own justified in borrowing money on it? Isn't that sort of a home builder considered the very mainstay of the community? If he postponed his home building until he had saved enough money to pay for it completely, he might be too old to feel like building."

* * *

"American Builders' Week" at the Panama-Pacific International Exposition occurs October 18 to 23. Indeed, it is doubtful whether any event in the history of the United States can possibly have any greater significance to builders and the allied trades, says the "American Contractor."

The importance of the builder as an individual as well as collectively is manifest when we recall the fact that 40 per cent. of the entire population of the United States is directly or indirectly dependent upon the building industry and its success. No one line of business has more to do with progress than the builders of homes, cities and towns and those public utilities upon which the comfort, health and happiness of our people depend.

The leaders in every trade connected with the San Francisco building industry, the local building material firms and supply houses are co-operating with the builders.

* * *

"Business men who can see the dollars beyond the near-by penny know that only he who serves can sell profitably year after year," ran a catchline in a recent advertisement, the point being that advertising is of use only to those who have genuine service to sell. There was a period in the history of this country in which it was possible to sell most anything, regardless of merit, with the aid of good advertising. That period has passed. To-day not only must the advertising be good, but the article itself,—the wares back of the advertising,—must be as represented. The day of the humbug, the shell-game and three-card man in advertising has passed.

Just about this time of the year subscribers to the Daily Building News Service of "The Guide" are busy renewing their contracts for this service. Having had it every day for the past year, they are making sure that it will reach them every day during the year to come.

Daily Building News consists of an everyday service that brings to the builder, the sub-contractor, the material man and side-line bidder, such details as he needs to know regarding new work, beginning with plans in prospect and following each job through all of its preliminary stages on down until the contract is awarded.

Two qualities must of necessity belong to a service of this kind to make it of any real value. It must be absolutely accurate as to

its facts and it must be comprehensive enough to cover everything of importance within its zone of interest.

That Daily Building News sizes up to this test is shown by the promptness with which its subscribers renew year after year. Many of the firms now on our books as regular subscribers to this Daily Service have been with us since we first inaugurated this service—years ago.

If the service did not produce results commensurate with its cost to those who take it year after year, you may be sure renewals would be less general.

All of which brings us back to the text with which we set out, namely, that "only he who serves can sell profitably year after year."

The clientele of Daily Building News shows a steady and encouraging growth from year to year. It is constantly gaining new subscribers. It follows, therefore, that its merit must be such as to commend it to those in whose interest it is issued.

* * *

To those unfamiliar with this feature of "The Guide's" bureau for supplying accurate and authentic advance information concerning new building we will be glad to send sample sheets on request.

There is no better way to get acquainted with the value of a service of this kind than by direct contact. Let us send it to you for a few days at our expense. Check up results. If you don't find it one of the best aids to new business you ever added to your business organization, don't take it.

If we didn't have the right brand of confidence in the service you can wager real money we'd not subject it to any such practical test as that here outlined.

Get the Daily Building News habit. It means money to you—on the right side of the ledger.

* * *

Building of plants to take care of war orders from the Allies in Europe has given New England builders a considerable amount of work. Returns from twenty-one New England cities show that building operations planned last month were 20.5 per cent. more than during July, 1914, and the value of construction throughout New England has increased 29.8 per cent. In every other section of the country building conditions were far from satisfactory.

Reports to "Bradstreet's Journal" showed heavy decreases both in the number of buildings projected and the amount of money put into new construction during the July period.

Commenting on the countrywide decreases, "Bradstreet's Journal" said that it was evident that the building trade lags behind some others in the movement toward improvement noted in the past few months.

There were 21,213 permits granted to builders during the month of July and the estimated value of the structures planned was \$63,257,204, decreases of respectively 7.9 and 15.7 per cent. from the like month a year ago, which showed a gain of 5.1 per cent. in value over July two years ago. This decrease of

15.7 per cent., however, compares with a decrease of 21.8 per cent. in June from the like month a year ago. The only exception to the general tendency toward a decrease is found in the New England group. In the other groups decreases of 6.8 to 15.8 per cent. were shown in permits, while values fell off from 8.4 per cent. to as much as 53.7 per cent., the heaviest decrease being shown in the far West.

* * *

In many New England cities the July expenditures were two or three times those of a year ago, for which activity in munitions trades is reported largely responsible. There were thirteen cities of the country in which expenditures were \$1,000,000 or over, and New York leads this class with a total of \$10,694,000, but with a decrease of 2.5 per cent. from a year ago. Chicago shows a decrease of 29 per cent., Philadelphia a loss of 21.4 per cent., Cleveland a decrease of 8.4 per cent., Pittsburgh 21 per cent., and San Francisco 44 per cent. decline. In the cases of seven out of thirteen cities with expenditures in excess of \$1,000,000, gains shown varied greatly. In Bridgeport and Akron the increases were 238 and 181 percent. respectively; Baltimore shows a gain of 47 per cent., Buffalo 51 per cent., Kansas City 40 per cent., Washington 20 per cent., and Minneapolis 11 per cent. In all, only fifty-four cities out of 143, or 37 per cent., showed gains in expenditures over a year ago in July.

For seven months of the year ending with July values of building aggregated \$462,567,405, a decrease of 10 per cent. from the like period of 1914, which in turn showed a decrease of 6 per cent. from 1913.

* * *

That the total fire loss for this year would be slightly less than last year, when \$2,520,673 worth of property was destroyed within Philadelphia, was indicated by statistics issued by Fire Marshal Elliott.

His figures also proved that the usual causes of dwelling house fires were the reckless handling of matches, candles and hot coals.

In the first six months this year there were 781 such fires, as against 823 for the whole of last year. Fire Marshal Elliott declared that the daily fire loss was \$6,908.25 at the present rate, with a like average in every other large city.

Fires in the United States wipe out \$300,000,000 each year, equivalent to an annual per capita tax of \$3, as against 60 cents in Germany. His department, he said, had been systematically teaching fire prevention to school children, and benefit had already resulted.

Every move made by the fire department officials in recent years toward enforcing fire preventive measures, the Fire Marshal said, had been resented in countless instances as an infringement of personal and property rights.

The average house owner, he said, cannot understand why the inspectors should go into his house and order him to clean his chimney, regarding it as his own affair entirely, although foul chimneys had caused 71 fires so far this year.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



ALTERATIONS AND ADDITIONS.

(Continued from page 531.)

Cost, \$600. Theatre, Twelfth and South sts.

Louis Gedicks (O), 3618 Frankford avenue. Frank Deitrich, Ja. (C), 1820 Schiller street. Cost, \$2,900. Warehouse, Emerald and Vengano streets.

H. B. Boorse (O), 665 North Fifteenth st. Brownworth & Co. (C), 1611 Sanson street. Cost, \$600. Tenement house, 627 North Tenth street.

Dr. Charles O'Brien (O), 5401 Baltimore avenue. Daniel F. Wholey (C), 1109 Indiana avenue. Cost, \$2,800. Dwelling, Fifty-fifth and Thomas avenue.

G. F. Gueker (O), 646 Lincoln Drive. F. G. Storck (C), 3519 North Thirteenth street. Cost, \$600. Garage, 648 Lincoln Drive.

Lumbermen's Ins. Co. (O), 527 Walnut st. George J. Watson (C), 907 North Marshall street. Cost, \$2,500. Offices, 427 Walnut st.

J. C. Gracey (O), 1230 North Twenty-sixth street. P. Hainbach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$600. Garage, 6123 Columbia avenue.

T. F. Curley (O), City Line and York road. John H. Dagney (C), Sixty-ninth avenue and Oak lane avenue. Cost, \$2,500. Garage, City Line and York road.

H. R. Schoch (O), 1501 North Sixteenth street. J. H. Hinkle (C), Hutchinson and Vengano streets. Cost, \$600. Manufacturing Building, Twenty-fourth and Hunting Park avenue.

M. Merschman (O), Bouvier and Cumberland streets. I. Donde (C), 855 North Fifty street. Cost, \$560. Store and dwelling, Bouvier and Cumberland streets.

Godfrey S. Mahn (O), Eleventh and Chestnut streets. Harry R. Rust (C), 19 South Eighth street. Cost, \$1,300. Store, Thirteenth and Chestnut streets.

W. G. & J. J. Nicholas (O), 309 Race street. L. Douglass (C), 128 South Second street. Cost, \$750. Dwelling, 759 North Forty-eighth street.

Summerdale Dyeing and Finishing Co. (O), Holmesburg, Philadelphia. J. A. Hand (C), 8029 Frankford avenue. Cost, \$400. Storage, Pennypacker Creek and Walker street.

Chris. Dear (O), 4905 York road. Cost,

\$800. Garage, northeast corner Boulevard and Fourth street.

E. L. Klopis (O), Eighth and Oak lane. C. E. Lloyd, Jr. (C), Eighth street and Sixty-sixth avenue. Cost, \$2,400. Store, Eighth and Oak Lane avenue.

H. M. Barraclough (O), 3329 North Front street. Cost, \$5,000. Garage, Tenth and Erie avenue.

Samuel Hivsch (O), 808 Poplar street. Max Kane (C), 871 North Sixth street. Cost, \$650. Store and dwelling, 808 Poplar street.

Harry Woertheil (O), 1229 Rising Sun lane. Fred G. Zierle (C), 3933 North Fifth street. Cost, \$300. Store and dwelling, 409 South Sixth street.

Hazeltime Smith (O), 326 Walnut street. H. H. Burrell (C), 206 South Quine street. Cost, \$2,500. Offices, 326 Walnut street.

William H. Hunter (O), 4420 Paul street. Buzby & Proper (C), 1658 Unity street. Cost, \$400. Shop, 4413 Frankford avenue.

John Foehl (O), 2235 North Tenth street. Lindsay L. Nichola (C), 2442 North Twentieth street. Cost, \$2,300. Garage, 2233 and 2235 North Tenth street.

B. Markle (O), 5004 Griscom street. J. Fotheringham (C), 3367 Frankford avenue. Cost, \$900. Dwelling, 4511 Frankford avenue.

Holy Child Parish (O), Broad and Duncannon streets. H. W. Geshwind (C), Heed Building. Cost, \$1,100. School building, Broad and Duncannon streets.

Girard Estate (O), Stephen Girard Building. H. R. Rust (O), 19 South Eighth street. Cost, \$700. Store and dwelling, 1123 Walnut street.

I. Malis (O), 321 South street. Ab. Kirpichnikoff (C), 1110 North Forty-first street. Cost, \$850. Store, 313 South street.

John McCloskey (O), 107 Market street. Frank A. Stoll (C), 1432 Germantown avenue. Cost, \$450. Saloon and dwelling, 107 Market street.

Walter B. Staton (O), 5015 Knox street. Burd P. Evans & Co. (C), Thirtieth and Wallace streets. Cost, \$700. Garage, 5015 Knox street.

Y. A. Cornell (O), 1612 Wingohocking street. N. M. Bean (C), 4411 Germantown avenue. Cost, \$550. Store and dwelling, 1612 Wingohocking avenue.

B. Schioffo (O), 1308 South Warnock street. John Palais (C), 712 Fitzwater street. Cost, \$300. Dwelling, 1308 South Warnock street.

Y. W. C. A. (O), 5503 Germantown avenue. William M. Grubler (C), 219 High street. Cost, \$4,000. Dwelling, 5503 Germantown avenue.

M. H. Fressel (O), 22 South Eleventh street. Thomas J. Carberry (C), 1215 Filbert street. Cost, \$350. Hotel, Eleventh and Girard avenue.

J. Stubbs & Bros. (O), 107 East Courtland street. Cost, \$2,500. Garage, Third and Erie avenue.

J. Glaser (O), 320 South Fifty-sixth street. P. Savor (C), 718 Snyder avenue. Cost, \$700. Store and dwelling, 320 South Fifty-sixth street.

Charles F. Cahall (O), 833 North Broad street. Ketcham & McQuade (C), 1029 Brown street. Cost, \$2,000. Store and office, 831-33 North Broad street.

Owen Hatten (O), Ninth and Fischer's lane. H. Vincent Charles (C), 63 North Sixty-third street. Cost, \$800. Boiler house, Ninth and Fischer's lane.

William M. Murphy (O), 2124 Hancoek street. H. Gill, Jr. (C), 2515 Germantown avenue. Cost, \$800. Dwelling, 2124 Hancoek street.

Michael Boyle (O), 1526 Market street. H. L. Roberts (C), 228 North Sixteenth street. Cost, \$450. Saloon and dwelling, Nineteenth and Dickinson streets.

Don't knock. Boost! Don't grouch. Smile! Don't mope. Advertise!

OLD PHILADELPHIA BELL.

Comparatively few persons among the 1,500 or 2,000 who attended the funeral of the Rev. Snyder B. Simes at Gloria Dei (Old Swedes') Church knew that the bell which tolled with measured strokes as the body of the beloved minister was carried to its last resting place in the churchyard is the oldest church bell in Philadelphia, says the "Public Ledger." This bell antedates the appearance of William Penn upon Pennsylvania soil. It had its origin in the days of the early Swedes, who settled on the banks of the Delaware. In fact, the Gloria Dei bell is so old that it makes the famous Liberty Bell appear like a youngster in swaddling clothes. Moreover, this Gloria Dei bell is still in good condition, sound and serviceable.

"Cast for the Swedish Church in Philad'a, stilled Gloria Dei—G. Hedderly Fecit—1806—partly from the old bell dated 1643," is the inscription on the bell. Thomas Bleyer, one of the vestrymen of Gloria Dei Church, has in his possession interesting data bearing upon the history of this famous church bell. As indicated in the inscription, the bell was recast and enlarged in 1806. But it is substantially the same bell which called the Swedes to prayer back in the earlier year. Israel Acrelius, provost of the Swedish Churches in America and rector of Old Swedes' Church in Wilmington, Del., in one of his historical studies on the early Swedes, relates an anecdote of the Gloria Dei bell and one of Governor Printz's daughters. It appears that after her father's death the Swedes on the Delaware offended this good woman, whereupon, writes Acrelius, "out of contempt for the Swedes she sold with her farm the church (at Tinicum) which was built upon it, as also a bell to a Hollander."

We learn from the same historian that the congregation "had to buy their bell back again by two days' reaping in harvest time after Mme. Arnegot had gone away." It is gratifying to know that even in those early times Philadelphia had at least one "working church." They were not all pew warmers. Mr. Bleyer's documents inform us that the "old bell, dated 1643, came from Tinicum (now called Essington), on the west side of the Delaware River, north of Darby Creek, which was the principal settlement of the third Swedish Governor, John Printz, who arrived February 15, 1643.

"The bell is supposed to have been first used by the Tinicum church in 1646, unless an earlier church was in existence at that place, and continued to be in use at that church until 1700, when, it is said, the Swedish congregation left Tinicum and united with Gloria Dei Church. At that date, it is supposed, the bell was removed from Tinicum to Philadelphia."

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

SMALL HOUSES AND SHORT STORIES

Notes on Current Expression in Architecture

A motor trip through country-side or suburb, in the general vicinity of any considerable town or city, must disclose even to the most casual observer, the fact that current architectural effort in America is, if nothing else, surprisingly active. It is to be remarked further that current architectural expression is also surprisingly versatile, bewilderingly varied (both in motive and appearance), and of such uneven merit as to cause the observer who is unversed in matters architectural, to wonder if the achievement of a successful house may be, after all, purely a matter of chance.

Entirely apart from questions of architectural style, there is the question of what constitutes the well designed house of small or moderate size. The answer to this question answer sat the same time equally pertinent queries as to why there is such a small proportion of well-designed small houses out of the vast numerical total of this class, as well as why, out of a hundred large country houses, there are more which are well designed than there are out of a hundred small or moderate sized country houses.

This answer, which I doubt has ever been very definitely formulated or very widely appreciated, is best brought out perhaps, by analogy to story-writing. It is generally understood that it is far more difficult to successfully achieve a good short story than a good novel. That is why such names as Maupassant, or Daudet, or Poe or O. Henry stand out in the annals of fiction as great names. And the difficulty of writing a good short story, like the difficulty of designing a good small house, lies not in the fact that there is a relatively too small amount of material with which to effect a complete whole in small compass, but rather that there is a relatively too large amount of material with which to effect a complete whole in small compass.

The achievement of a successful work of art in small compass depends upon the success and discrimination with which the artist can eliminate, upon the success with which he can express certain essentials with a minimum of the machinery and materials of expression.

This is the reason for the sad scarcity of well-designed small houses—that such a house is essentially a work of art, it is like an epigram or a sonnet—a clean cut expression of a worthy, definite, apt idea within limited confines—within certain very clearly defined restrictions of scale and cost and appropriateness or, as well, of taste.

The design of a successful small house calls for an entirely different set of architectural data than that of a large house, because the small house is not either a miniature replica of the millionaire country mansion, or a small slice cut off from it. It's as different from

the large country house as it is different from a bank.

It is very confusing to classify country houses, large and small, in the same category, because not only their purpose is entirely different, but they are apt to be judged for the most part, from a different set of "points." In judging horses at a horse show, it is obvious that all classes are being judged as horses, but equally obvious that the harness class and the saddle class are being judged as of their class by quite different points. Some points exist in common—"conformity", for instance,—and this is true of architecture as well. In other words, there should be a conformity with the broad requirements of the class in which an entry is exhibited—a bank should be a well-designed bank, and a country cottage should be a well-designed country cottage—this quality of "conformity" should be common to every worthy exhibit in every class, and in this all should possess uniform merit. From that point, however, begins wide divergence—the bank, for instance, being awarded distinction for its expression of dignity, the country cottage for its expression of domesticity.

And so in the critical observation of country houses—the large house and the small—both may be awarded the "blue ribbon" for reasons at once broadly similar in the abstract, but concretely different. If the large country house is to reflect an atmosphere of urbane formality, if it is to form the architectural setting for elaborate and formal entertainments, and an essentially artificial sort of "country life," by all means its architectural keynote should be one of rather grandiose dignity, excellently expressed in the country houses of Carrere & Hastings. The small country house, on the other hand, is usually successful in proportion to the elements of the picturesque expressed in its design—is successful in the absence of ostentation in its whole atmosphere.

Perhaps I have made the point intended to be brought out now sufficiently clear. It all reverts to Mr. Chesterton's delightfully naive discovery of the idiocy of attempting to compare "red" and "triangular," a discovery which I feel to be of equal if not of greater importance to Sir Isaac's adventure with the apple. It is important partly because it is so obvious as to have been left for centuries for Mr. Chesterton to formulate it, and partly because this failure to classify before attempting to judge has been at the root of years of confusion in this field of architects in their creative thought, but the lay public in their attempts to form some sort of intelligent estimate of what the architects have been and are trying to do.

It is no less than just to acclaim those architects who have achieved conspicuous suc-

cess in the design of small houses to enumerate a few names—names not taken at random, from a cursory acquaintance with the subject, but names of men who have been the authors of the well-designed small house. Nor, in one breath, is it possible, for obvious reasons, to enumerate all. Perhaps there has been a more consistent expression of good small house design in Philadelphia than in any other vicinity in the East, by such architects as Duhring, Okie & Ziegler, Mellor & Meigs, C. Barton Keen, D. K. Boyd, Savery, Sheetz & Savery, Evans, Warner & Register and a number of others. In Boston there are F. Chouteau Brown, J. H. Ritchie, B. V. Proctor and W. Northrop Dudley. In New York perhaps one of the best known of small house architects is Aymar Embury II, exponent of the "Dutch Colonial" and other kinds of colonial, and always of well-designed small houses. And there is a remarkably even and excellent standard of attainment in this sort of house by Bates & How, A. T. Rennie, Caretto & Forster, P. Morse Hooper, and (in addition to a good deal of large and important work) Walker & Gillette. Of course Harrie T. Lindeberg can design small houses as inimitably as ever, instance the gardener's cottage, play house and such on the Tracy Dows estate—but we must perforce be rejoiced, for the cause of really good American architecture, that nowadays a small house design with Mr. Lindeberg is incidental to his remarkable achievements in larger works.—C. Matlack Price, in "Arts and Decoration."

UNIT COSTS ON EXCAVATION JOB FOR BUILDING FOUNDATION.

One great advantage of the weekly cost sheets made out on various jobs is the fact that unnecessarily high costs in any part of the work are detected and corrected before they have gone far. By thus knowing in detail just what such work costs the contractor is enabled to make correct bids, where less informed contractors would be likely either to take the work at a loss or to figure an excessive charge for it.

As an example of this method of cost keeping and its working out in service by the Aberthaw Construction Co., Boston, an excavation job in New Hampshire may be cited, at which 8,022 cubic yards of material were removed from the side of a hill to make way for a building foundation, and the cost figured out at 37½ cents per cubic yard. This work was done with a 2-3-yard Thew steam shovel, and showed a saving of probably 2 cents per unit as compared with hand work. At the same time it should be remembered that a great deal of railroad excavation is done at a cost of 5 to 6 cents per cubic yard, and many contractors would have bid 20 or 25 cents on the job in question—and lost money.

An analysis of the figures shows that labor alone (around the shovel, pushing and unloading the dump cars and spreading the material at the dump) accounted for practically 23 cents per cubic yard of total material han-

dled. The items of rental of shovel and track, repairs, etc., were so small that, figuring on these as a basis, a much lower figure than that obtained would have been bid by an inexperienced contractor. This shows in a very clear way the advantage of an exact cost accounting system on jobs of this sort as a guide to future work.

The unit costs are shown in the following table:

	Per cu. yd. Cents.
Labor around shovel, pushing cars, unloading and spreading at dump.....	22.9
Repairs, \$18.58; rental of shovel, \$345.	4.5
Labor on track, including 10-ft. high trestle	3.5
Labor for unloading, placing, etc., at the job	3.1
Rental of track.....	1.4
Labor at Boston end (including riggers' bill)	1.05
Freight on shovel and parts (both ways)	0.85
Total	37.5

Most of the material was dry gravel with a small percentage of boulders. It was carted off in dump cars pushed by hand back and forth on a standard contractors' track (500 feet) carried on a trestle about 10 feet above the ground. The average haul was about 400 feet; the shortest haul, 200 feet.

LINCOLN HIGHWAY ARCHITECTS.

After many months of expert discussion throughout the United States, definite plans have taken form in the construction of a great highway from the Atlantic to the Pacific. It is hoped this road to be known as the Lincoln Highway will actually be completed within a half a dozen years.

From an engineering standpoint, this highway will be an achievement worthy of a much older country than the United States. Glory will fall on the shoulders of the promoters, engineers and architects and all who have to do with the completion of the work.

A. R. Pardington, of Detroit, the secretary of the Lincoln Highway Commission, is accomplishing wonders in working out the plans. Through the efforts of the commission, sub-organizations in nearly every State, through which the road is to pass have been formed to assist in the selection of the details. Every phase of the completed road has been considered in the movement, not the least of which is the architectural side.

The committee of architects who will pass upon all architectural features in connection with the enterprise are Benjamin S. Hubbell, of Cleveland; E. C. Jensen, of Chicago, chairman, and George A. Mills, of Toledo. Through these architects will be established chapter committees of the American Institute of Architects, in every State through which the road will pass. The State committee will have charge of the designing of all structures such as bridges, State line arches, and other figures that may be decided on by the chapter committees in each State.

The plans of all these committees will be submitted to Messrs. Jensen, Hubbell and Mills, who will pass upon them.

A unique method of defraying the cost of a part of this stupendous undertaking has been worked out through appeal to a number of wealthy men throughout the country. They are asked to "build a mile." Thus far the commission has met with wonderful success in this particular. Men of large affairs, who will use this road extensively, feel in a measure that they will be direct beneficiaries, and their pride in State compels them to consider devoting some of their wealth to such a worthy project.

When these separate miles of roadway are finally constructed in spots across the country, a wholesome movement among communities will be started to connect them with a paved surface. Civic pride is going to be a strong factor in many portions of the country in bringing about the completion of this task.

In speaking of the subject, Benjamin S. Hubbell, a member of the architectural committee, recently said:

"It will be a great day for America when this magnificent highway is completed. We will then have at least one great roadway to compare with the many of Europe. Think of what Rome would have been without its highways. In every country in fact the great, splendid systems of roadways lend a large influence for public good. I want to see this road become one of the splendid institutions of America."

The architectural committee for this highway will make a report of recent developments at the national meeting of American Institute of Architects held in Washington the first week in December.

It is expected also at this time that specific plans of the highway commission will be submitted as a matter of information.

Architects along the route of the highway will receive great benefit from it, both from an artistic and financial standpoint.

CRITICISM OF A COMPETITION.

Recently an organization in the State of Minnesota, says the "Improvement Bulletin," asked architects to submit plans in competition for a building to cost about \$25,000. The request said "sketches," but the wording of the announcement and the details given seemed to indicate that the organization really had in mind that each competitor would submit a pretty complete outlines of the structure, interior and exterior, from basement to decorations. Possibly the word "drawings" would more exactly describe what was wanted. The building committee, it was stated, reserved the right to reject any or all sketches.

Perusal of this proposition, which is another instance of lack of provision to give the unsuccessful competitor any compensation, prompted a St. Paul architect to write some letters to the building committee. In the first letter he said:

"Please send me full information in regard to your competition. If the following

questions are not included in the program and you are at liberty to answer them, I would appreciate it:

"Will there be a consulting architect or architects to help the building committee make a decision, or will the building committee judge the designs submitted?"

"What fee will the successful architect be paid, and will this fee be included in the \$25,000 mentioned as the cost of the building?"

"Thanking you for information, I remain,

"Yours very truly,

"....."

In the second letter, he had much more to say, viz:

"Not having received a reply to my communication of September 5, I take the liberty of assuming that the building committee itself would judge the drawings in your competition (?) That was the reason I wrote as I did. Were three doctors to diagnose a case three different ways would you or your committee attempt to decide which was the best diagnosis, or would you call in a fourth doctor? Have you or any of your committee ever called in two or three doctors or two or three lawyers on some case, had each one diagnose or advise, select that diagnosis or piece of advice which appeared to you to be the best and then dismiss the others without remuneration? Were three such professional men to offer to do such a thing would you respect their talents?"

"Yet such, indeed, is what your committee is asking for when you institute a competition such as was published in a builders' magazine recently. It is well to remember that seldom does anyone get anything for nothing and an architect's time and ideas are his bread and butter.

"If possible, I shall make this and my former letter open letters, and endeavor to have them published in an effort to correct an abuse that is too prevalent.

"Yours very truly,

"....."

The architect failed to receive an answer to either of his letters, which convinces us that unquestionably the only entirely fair way to conduct a competition includes provision to pay each competitor for the expense of preparing the plans. This will not only serve the cause of right competitions, but it will yield better work. The owner will find each architect taking pains with details and showing more study in design. The public needs some education in this regard, and it is the architects themselves who must be the educators.

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

We know lots of men who have made money without the aid of advertising, but—they haven't made it since 1876.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Aolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,

New York City and Philadelphia.

Builders' Steel Products Co.,

131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies,

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori-g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 623 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo."
Howard Ketcham, 3rd & Girard ave., Phila.
"Utility." Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. E. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

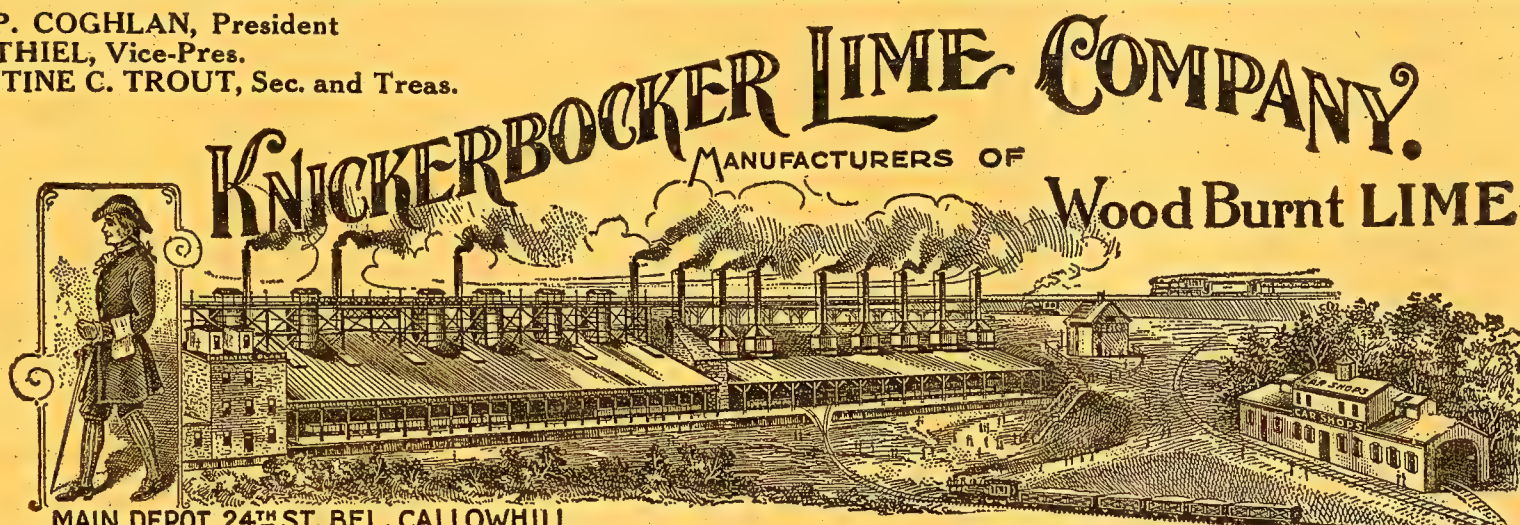
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.

NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 34.

PHILADELPHIA, WEDNESDAY, AUGUST 25, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

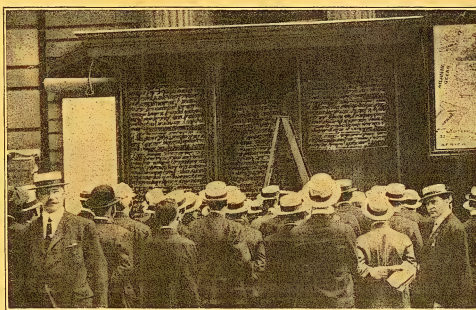
5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

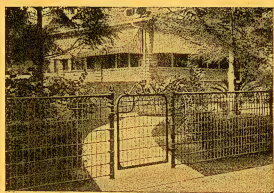
THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Follies and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.



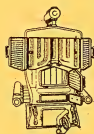
Contractor's Equipment

NEW AND SECOND HAND

Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The **PIERCE-SCHMIDT CO. Inc.**
BULLETIN BUILDING, PHILA. PA.

== MILLS ==



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

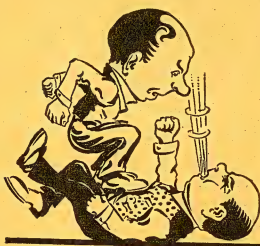
Best by test.

Ask for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



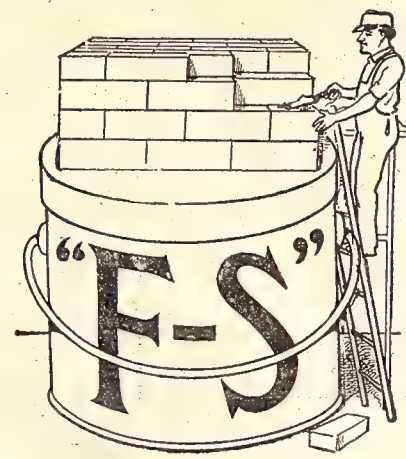
THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGEE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



Build on "F-S" Products for substantial results.

You get durable, satisfactory finishes when you specify our Varnishes. We've been making them and improving on them for half-a-century. They are the results of honest endeavor to turn out quality products. Only reliable materials are used.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(116)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

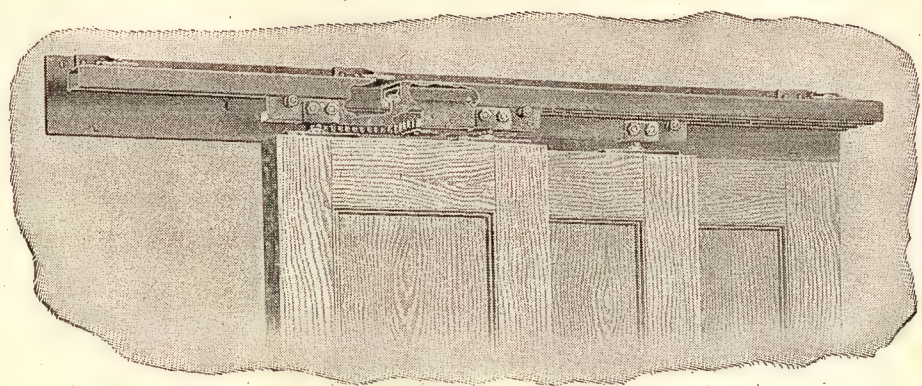
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages? Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.

CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

UNIFORM CONTRACT FORMS

As adopted and recommended by the American
Institute of Architects

"Standard" Blanks for the Building Trade.

Certificate Books.

Builders Levels, Transits and Rods from

\$15.00 up. Measuring Tapes.

Blue Printing.—Drawing Materials.



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 8008, 8004. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 34.

PHILADELPHIA, WEDNESDAY, AUGUST 25, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Garage, 4910 Royal street, Philadelphia. Architect, private plans. Owner, Mrs. Elizabeth M. Kuehn, 4901 Knox street, Philadelphia. Brick, 1 story, 60x120 feet, slag roof, steam heating, electric lighting, cement floors. Builder H. E. Sweger, 4435 North Uber street, is taking sub-bids.

Residence, 2258 North Fifty-third street, Philadelphia, \$12,000. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, name withheld. Stone, 2½ stories, 27x42 feet, slate and slag roof, warm air heating, tile work, oak floors, electric lighting. A. L. Fretz & Son, 1222 Chancellor street, Philadelphia, are figuring. Bids due August 26th.

Factory Building, Second and Erie avenue, Philadelphia, \$80,000. Engineers, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Thomas Potter Sons & Co., on premises. Reinforced concrete and brick, 4 stories, 100x120 feet, slag or asbestos roof, steam heating, electric lighting, elevators, fire escapes, reinforcing bars, safety treads, rolling steel doors, steel sash. Builders Wm. Steele & Sons Co., 1600 Arch street, Philadelphia, taking sub-bids.

Sunday School, Fifty-third and Chestnut streets, Philadelphia, \$30,000. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, St. Matthew's M. E. Church, Rev. Richard Radcliffe, Fifty-third and Sansom streets, Philadelphia. Stone, 2 stories, slate roof, vapor heating, electric lighting. Architects have received revised bids.

Sunday School (alt. and add.), Twenty-eighth above Stiles street. Architect, W. Garrett Rodgers, 6216 Jefferson street, Philadelphia. Owners, Zion German Presbyterian Church, Rev. C. T. Albrecht, on premises. Stone, 2 stories, 28x46 feet, slag roof, steam heating, electric lighting, terrazzo floors, composition flooring. Architect taking bids, due August 27th. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; Herman Voigt, Twenty-eighth and Girard avenue; Philip Haibach & Co., Twenty-sixth and Thompson streets.

Stores and Residences (2), southwest corner

Twelfth and Dickinson streets. Architect, J. Fieldstein, Hale Building, Philadelphia. Owner, J. Zaresky, 2112 South Eighth street, Philadelphia. Brick, 3 stories, 18x54 feet each, slag roof, steam heating, electric lighting. Plans in progress.

Residence (alts.), 1335 South Broad street, Philadelphia. Architect, J. Elvin Jackson, 727 Walnut street, Philadelphia. Owner, Dr. Pasquale Assante, 821 Christian street, Philadelphia. Brick, 3 stories, consists of general interior alterations, marble and tile work. Architect has received revised bids.

Store and Apartments, 5202 Sansom street, Philadelphia. Architect, J. Fieldstein, Hale Building, Philadelphia. Owners, S. Kean, 753 South Second street, and S. Spivak, 1104 East Passyunk avenue, Philadelphia. Brick, 3 stories, 25x55 feet, slag roof, steam heating, electric lighting, tile work, metal ceilings. Architect has received bids.

Residence, 642 Pine street, Philadelphia. Architect, J. Fieldstein, Hale Building, Philadelphia. Owner, Dr. L. Abramson, on premises. Brick, 2 stories, 18x70 feet, slag roof, hot water heating, electric lighting. Architect taking bids, due August 28th. Alex. P. Lurker, 1727 North Fifty-first street; Neiman Bros., 1933 Brandywine street, Philadelphia, are figuring.

Residence (alt. and add.), 2823 North Broad street, Philadelphia. Architect, Paul L. Boyd, 211 E. Willow Grove avenue. Owner, Dr. Geo. A. Magee, on premises. Consists of rear addition, 2 stories, brick and frame and composition, 10x12 feet, consists of Operating Room and Laboratory, roof garden, slag roof, (electric work, heating and plumbing reserved). Owner is taking bids, due August 26th. Geo. A. Boyd, 211 E. Willow Grove avenue, is figuring.

Armory, Thirty-second and Thirty-third sts. and Lancaster avenue, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Major B. W. Derming, Harrisburg, Pa. Red tapestry brick, granite and limestone trimmings, 2 stories, 129x305x216 feet, slag roof, steel stack, dampproofing, iron stairs, safety treads, metal lath, terrazzo

floors, (heating, plumbing and electric work separate bids). Owners taking bids, due September 6th, at 9 A. M. The following are figuring: Wm. Steele & Sons Co., 1600 Arch street; E. F. Fonder, Land Title Building; P. J. Hurley, 1233 Cherry street; Cramp & Co., Denckla Building, Doyle & Co., 1519 Sansom street; John N. Gill & Co., Heed Building; Mitchell Bros., 2125 Race street; Thomas Reilly, 1618 Thompson street; Abel Bottoms & Sons Co., 41 South Fifteenth street; A. R. Raff, 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; H. L. Brown, 1714 Sansom street; W. W. Anstine & Co., 1218 Filbert street; Fidelity Construction Co., Heed Building; F. Roe Searing, Perry Building; Wells Bros. Co., Washington, D. C.; Frank G. Stewart, 1619 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Melody & Keating, Bailey Building.

Apartments (alts.), 145 West School lane. Architects, Magaziner — Potter, 603 Chestnut street, Philadelphia. Owner, Louis Adler, 925 Filbert street, Philadelphia. Brick, 3 stories, tin and slag roof, tile work. Architects taking bids, due August 25th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Lam Building Co., 1001 Wood street; Freund-Siedenbach Co., Bulletin Building; Thomas C. Trafford, 1613 Sansom street; Harry Gill, Jr., 2515 Germantown avenue; Stocker & Hastings, 1320 North Carlisle st.; B. Cohen, 5021 Walnut street; J. J. Allen, 6318 Burbridge street.

Garage, 732 Westview avenue, Germantown. Architect, Paul A. Davis, 3d, 1713 Sansom st., Philadelphia. Owner, Wm. E. Hetzel, 1712 Chestnut street, Philadelphia. Stone, 1½ stories, 25x23 feet, slate roof, electric lighting, hot water heating, cement floors. Owner taking bids, due September 3d. Mitchell Bros., 2125 Race street, are figuring.

Residences (100), Fifty-eighth and Warrington streets, Philadelphia, \$350,000. Architect, private plans. Owners, T. J. and J. R. Whelan, Sixty-sixth and Paschall streets, Philadelphia. Brick, 2 stories, 16x52 feet, hot water heating, slag roof, combination lighting, tile bathroom, parquet floors.

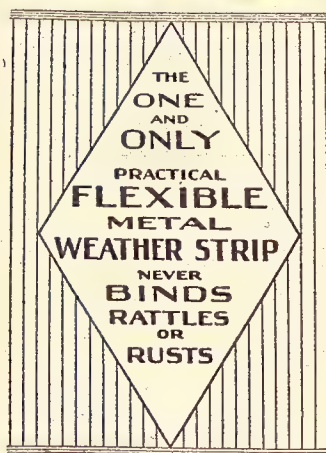
**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

**BLUE
PRINTS**

KEYSTONE PHONE, MAIN 497

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{3}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

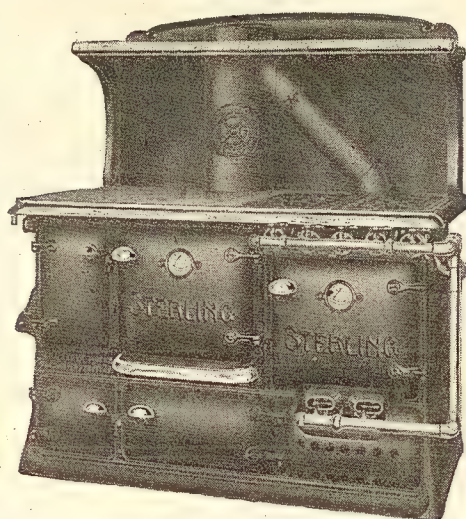
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Plans about completed. Owner will take sub-bids in a few days.

Residences (30), Twenty-eighth and Reed streets, Philadelphia, \$75,000. Architect, private plans. Owners, T. J. and J. R. Whelan, Sixty-sixth and Paschall streets, Philadelphia. Brick, 2 stories, slag roof, hot water heating. Plans in progress. Owners will take sub-bids in one month.

Church (alts.), Twelfth and Diamond sts., Philadelphia. Engineer, Horace T. Campion, Crozer Building, Philadelphia. Owners, Church of the Annunciation, Walter Le Mar Talbot, Chairman Building Committee, 6730 North Thirteenth street, Philadelphia. Consists of new front for Rectory, new piers and underpinning, tile work, reinforcing bars, structural steel and painting. Engineer has received bids.

Pier Repairs, Delaware river. Engineers, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, John Meigs, Director, Bourse Building, Philadelphia. Consists of composition roofing for Race street pier and concrete resurfacing Chestnut and Race sts. piers, and bulkheads at Callowhill and South streets. Owners taking bids, due August 30th, at noon.

Saloon and Hotel, northeast corner Thirteenth and Kater streets, Philadelphia. Architect, Michael Golden, 2307 E. Auburn street, Philadelphia. Owner, Samuel W. Salus, Morris Building, Philadelphia. Brick, 4 stories, 45x105 feet, slag roof, steam heating, electric lighting, tile work. Plans completed. Not decided when bids will be taken.

Temporary Bulkhead, Schuylkill river. Engineers, Bureau of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, Bourse Building. Built of timber. Lowest bidder, Edwin H. Vare, Lincoln Building, \$65,966. Contract will be awarded in a few days.

Automobile Factory, Twentieth and Montgomery avenue, Philadelphia. Architect, J. M. C. Shirk, 421 Chestnut street, Philadelphia. Owners, Touraine Motor Co., Broad and Huntingdon streets, Philadelphia. Reinforced concrete, 6 stories, 95x250 feet, slag roof, steam heating, electric lighting, elevators. Plans

about completed. Architect will soon take bids.

Warehouse, Crawford street and Ridge avenue, Philadelphia, \$30,000. Architects, Wedleigh & Osburn, Real Estate Trust Building, Philadelphia. Owners, John and James Dobson, on premises. Brick, stone and steel, 4 stories, 82x193 feet, slag roof. Architects are sub-letting all contracts.

Church, Allegheny avenue and F street, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Trinity Reformed Episcopal Church, Rev. Henry McCrea, 3229 Rorer street, Philadelphia. Stone and brick, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Office Building, Swanson street and Snyder avenue, Philadelphia. Architect, private plans. Owners, Publicker Ward Distilling Co., on premises. Brick, 2 stories, 20x35 feet, slag roof, reinforcing rods. Owners have received bids.

Convent (add.), Sixty-sixth and York road, Philadelphia. Architects, Maginnis & Walsh, 100 Boylston street, Boston, Mass. Owners, Carmelite Convent, on premises. Stone, 2 stories, 35x138 feet, slate roof, metal lath, waterproofing and dampproofing, (heating and electric work reserved). Builders Melody & Keating, Bailey Building, are taking sub-bids.

Residences (70), Cobbs creek and Florence avenue, Philadelphia. Architect, private plans. Owner, George F. Gibson, Jr., 1412 S. Fifty-eighth street, Philadelphia. Brick, 2 stories, 15x48 feet, hot water heating, slag roof, hardwood floors, tile bathrooms. Plans completed. Owner ready for sub-bids.

Club House, 313 South Broad street, Philadelphia. Architects, Ballinger & Perrot, 1211 Arch streets, Philadelphia. Owners, City Club of Philadelphia, Real Estate Trust Building, Philadelphia. Brick and stone, 4 stories, slag roof, steam heating, tile and marble work, electric lighting, elevator, fireproofing, metal lath. Architects taking bids.

Residence (alts.), 26 Summit avenue. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Clifford Pemberton, Jr., 3909 Locust street, Philadelphia. Brick, frame and plaster, $2\frac{1}{2}$ stories, shingle roof, metal lath, (heating, plumbing and electric work separate bids). Revised plans in progress. Architects will take bids in a few days.

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

Parish House (add.), Allegheny avenue and D street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, St. Nathaniel's P. E. Church, Rev. George R. Miller, 715 E. Allegheny avenue, Philadelphia. Stone, 1 story, 25x60 feet, consists of basement and first floor only, slag roof, steam heating, electric lighting. Revised plans in progress.

Warehouse, American above Diamond street, Philadelphia. Architect, W. J. Easty, Crozer Building, Philadelphia. Owners, John Scott & Co., Inc., on premises. Brick, 4 stories, 46x122 feet, slag roof, metal windows, elevator. Architect will sub-let all contracts.

Dye Works (add.), Westmoreland and Emerald streets, Philadelphia. Architect, private plans. Owners, Caledonian Dye Works, 1939 East Westmoreland street. Brick and concrete, 3 stories, 72x80 feet, slag roof, electric lighting. Plans in progress.

Garage, Windin avenue, near Tenth street, Philadelphia. Architect, private plans. Owner, Ferdinand Kebolt, Jr., 5106 North Twelfth street, Philadelphia. Brick, 1 story, 53x92 feet, slag roof, cement floors, electric lighting. Owner taking bids, due August 25th. Matthew Schmid, 1308 North Sixth street, Philadelphia, is figuring.

Nurses' Home (add.), York and Tabor roads, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Jewish Hospital Association, on premises. Brick, 2 stories, 34x70 feet, slate roof, steam heating, metal lath, tile work, electric lighting. Architects taking bids, due September 1st. The following are figuring: William R. Dougherty, 1610 Sansom street; Freund-Siedebach Co., Bulletin Building; Thomas M. Seeds, 1207 Race street; Burd P. Evans & Co., Thirteenth and Wallace streets; P. M. Sax, Heed Building; Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Residence (alt. and add.), 2823 North Broad street, Philadelphia. Architect, Paul A. Boyd, 311 East Willow Grove avenue, Chestnut Hill. Owner, Dr. George A. Magee, on premises. Consists of rear addition, 2 stories, containing operating room and laboratory, tin and slag roof, oak floors (heating, plumbing and electric work reserved). Owner taking bids, due August 26th. H. H. Burrell, 206 South Quince street, and William R. Dougherty, 1610 Sansom street, are figuring, in addition to those previously reported.

Church, Fifty-eighth and Cobb's Creek Parkway, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Fourth Church of Christian Scientists. Frame, 1 story, composition roof, hot air heating, electric lighting. Architects taking bids, due August 26th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; John Bortwright, 5909 Pine street; Martin Maloney, 5900 Spruce street; D. Fox & Armstrong, Fifty-ninth and Cobb's Creek Parkway; C. R. Siegel, 6100 Washington avenue; Charles S. Frank, 1113 Cherry street; F. C. Stockwell, 6042 Irving street; James C. Emburg, 5634 Larchford avenue, all of Philadelphia.

Convenience Station, Vernor Park, Germantown, 87,000. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Stone and frame, 1 story, 17x36 feet, ready roofing, waterproofing, reinforcing bars, promenade tile floors,

safety treads, proposal bond (hot water heating, plumbing and electric work separate bids. Owners taking revised bids, due September 1st at noon. Plans may be obtained at Room 113, City Hall.

Armory, Thirty-second and Thirty-third streets and Lancaster avenue, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Major B. W. Demming, Harrisburg, Pa. Red tapestry brick, granite and limestone trimmings, 2 stories, 129x305x216 feet, slag roof, steel stack, dampproofing, iron stairs, safety treads, metal lath, terrazzo floors (heating, plumbing and electric work separate bids). Owners taking bids, due September 6th at 9 A. M. In addition to those previously reported, Melody & Keating, Bailey Building; McCloskey & Bahlis, Hale Building; Frank G. Stewart, 1619 Sansom street; Edward Fay & Son, No. 2 South Mole street; P. J. Hurley, 1233 Cherry street; William R. Dougherty, 1610 Sansom street; P. M. Sax, Heed Building; Irwin & Leighton, 126 North Twelfth street; James H. Wells, Heed Building, all of Philadelphia, are figuring.

Park Improvements, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Consists of improvements to Washington Square and Cornelius Park, Frankford avenue and Comly street, cedar walks, foot bridges, copings and coping foundations, etc. Owners taking bids, due September 1st at noon. Plans may be obtained at Room 113, City Hall, Philadelphia.

Toilet Building, Sixteenth and Glenwood avenue, Philadelphia. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Company, care of F. W. Smith, Jr., Jersey City, N. J. Brick, 1 story, 14x16 feet, slate roof. Owners taking bids, due August 26th. F. A. Havens & Co., 845 North Nineteenth street, are figuring.

Residence (alts.), 5722 Green street, Philadelphia. Architect, William C. Pritchett, 418 Walnut street, Philadelphia. Owner, E. Eldridge Penneck, Bourse Building, Philadelphia. Consists of new bath room, tile work. Owner taking bids, due August 25th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; Smith-Hardican Co., 1606 Cherry street; Warren T. Miller, 627 Filbert street, Philadelphia.

Parish House (add.), D street and Allegheny avenue, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, St. Nathaniel's P. E. Church, Rev. George R. Miller, 715 East Allegheny avenue, Philadelphia. Stone, 1 story, 25x60 feet, consists of basement and first story only, slag roof, steam heating, electric lighting. Architect taking revised bids, due August 26th. F. E. Wallace, 1220 Chancellor street, and Roland Bale, 3128 Reach street, are figuring.

Church and Rectory, Twenty-ninth and Fletcher streets, Philadelphia. Architects, Street & Stackhouse, Drexel Building, Philadelphia. Owners, Reformed Episcopal Church of the Intercession, Rev. George Worrell, 2828 North Twenty-sixth street, Philadelphia. Stone, 1 story, 44x70 feet, 2½ stories, 16x56 feet, slate roof, tile work, wire lath (heating, plumbing and electric work separate bids). Architects taking bids, due

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

Let Us Make Your Home
Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



Our organization makes a
business of SATISFYING its
customers, not partially, but
wholly, in quality, promptness
and fair treatment.

T. S. Johnson's Sons Co. invites
the confidence of buyers who
are in the habit of accepting
promises as final and who expect
the utmost in returns from the
money they invest in Roofing
and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

H. H. S. OGDEN, SECRETARY

FLOORS

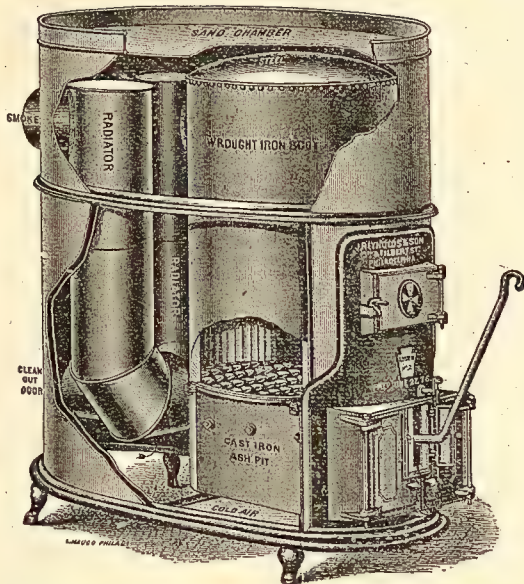
PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON

Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

The modern device for connecting portable gas appliances such as reading lamps, desk or piano lamps, portable gas heating stoves, chafing dishes, gas irons, etc. from the wall, baseboard or floor is by the use of the Conceal-o-Plate.

Owners or tenants will appreciate one in the bathroom, bedroom, living room, library, dining room and kitchen.

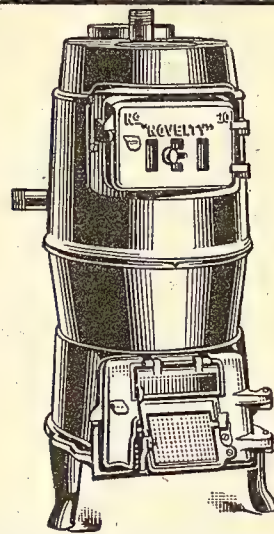
Call up the "Builders and Operators Division" for further information.

Telephones

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

September 1st. The following are figuring: George Hogg, 1634 Sansom street; Thomas C. Trafford, 1613 Sansom street; James B. Flounders, 1329 Arch street; E. J. Hedden, Finance



"NOVELTY REMINDERS"

The "Novelty" Tank Heater

Has more distinctive features than any similar appliance and will produce maximum results with low fuel consumption

The demand for Tank Heaters is large and one installed in your houses will add to their value.

Why not have the best?—"The Novelty"

Manufactured in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

Building; A. Raymond Raff, 1635 Thompson street, all of Philadelphia.

Business College (alts.), 1921 to 1925 Chestnut street, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, Dr. E. M. Hull, 1400 Lindley avenue, Philadelphia. Brick, 5 stories, consists of re-

modeling entire interior for a business college, plastering, painting, partitions, etc. Architect taking bids, due August 25th. The following are figuring: Frank G. Stewart, 1619 Sansom street; H. H. Wehmeyer, 1004 West Lehigh avenue; Hand & Sloan, 1014 McKean street.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Theatre, Stores and Apartments, Fifty-sixth and Pine streets, Philadelphia, \$37,000. Architect, Walter W. Sharpley, 328 Chestnut street, Philadelphia. Owners, Yonker & Son, 317 S. Fifty-sixth street, Philadelphia. Brick, terra cotta, concrete and steel, 2 stories, 140x72 feet, slag roof, dampproofing and waterproofing, reinforcing bars, tile and terrazzo work, steam heating, metal lath, electric lighting. Contract awarded to Ketcham & McQuade, 1029 Brown street.

Ice Storage House, Marshall road and Cobbs creek, Philadelphia. Engineers, Penna. Engineering Co., 1119 North Howard street, Philadelphia. Owners, Western Ice Mfg. Co., 119 North Howard street, Philadelphia. Frame, reinforced concrete foundations, 1 story, 50x50 feet, and 30x10 feet, slag roof, reinforcing bars. Contract awarded to Herman Voigt, Twenty-eighth and Girard avenue, Philadelphia.

Cooper Shop and Pump House, Delaware avenue and Mifflin street, \$6,500. Architect, private plans. Owners, David Berg Distilling Co., Delaware and Tasker streets. Brick, 1 story, 140x22x44 feet, slag roof. Contract awarded to Joseph Levin Co., 1530 South Sixth street, Philadelphia.

Residence, Penn and Thirty-second streets, Philadelphia, \$6,800. Architect, S. D. Hawley, 2d, 3122 West Penn street, Germantown. Owner, H. A. Baxter, 431 West Price street, Germantown. Stone and brick, 3 stories, 40x36 feet, shingle roof, hot air heating, electric lighting, oak floors, tile work. Contract awarded to Keller Bros., 480 Harmon road, Roxborough.

Garage, 4108 Sansom street, Philadelphia, \$2,000. Architect, private plans. Owner, W.

C. Fitzgerald, 1323 Walnut street, Philadelphia. Stone, 1 story, 21x26 feet, slag roof, cement floors. Contract awarded to Loos & Dothard, Commercial Trust Building.

Factory (add.), Fourth and Cherry streets, Philadelphia. Architect, private plans. Owners, Felton, Sibley & Co., on premises. Consists of 2 additional stories on present building, brick, tin roof. Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

Garage, Hampton and Crefelt streets, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, George Howe, Provident Building, Philadelphia. Stone and brick, 1½ stories, 23x23 feet, slate roof, hot water heating, electric lighting, cement floors. Contract awarded to Wm. H. Carr, 5911 Germantown avenue, Philadelphia.

Saloon and Residence (alt. and add.), Fifth and Lehigh avenue, \$3,900. Architect, private plans. Owner, Frank J. Dulin, on premises. Brick, 3 stories, tin roof, canvas floor, (plumbing and heating reserved). Contract awarded to Seidman & Getz, 1312 North Sixth street, Philadelphia.

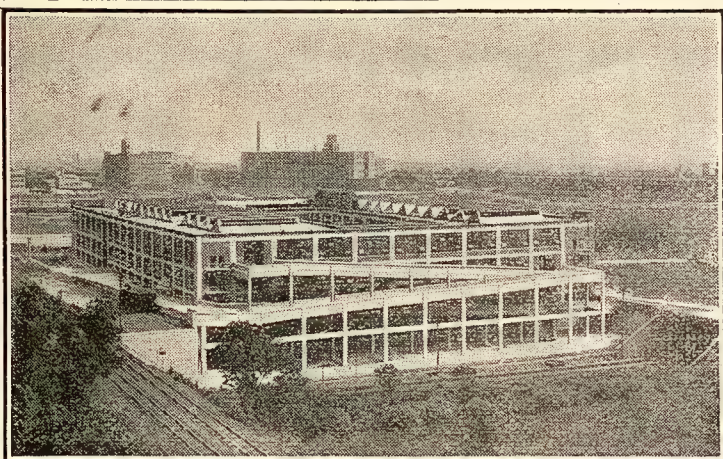
Store and Residence, Fifty-sixth and Kingessing avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Charles Braun, on premises. Brick, 3 stories, 25x44 feet, slag roof, hot water heating. Contract awarded to John P. Fallon, 6036 Osage avenue, Philadelphia.

Hospital (alts.), York road and Tabor st., Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Jewish Hospital, on premises. Consists of general interior alterations, steel sash, tile and marble work, concrete fireproofing. Contract

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work

awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Residence (alt. and add.), 6052 Overbrook avenue, Philadelphia. Architect, Horace Wells Sellers, St. Girard Building, Philadelphia. Owner, James A. Develin, on premises. Brick and stucco, consists of bay windows and 2 bathrooms, copper roof, metal lath, (heating, plumbing, electric work, tile work reserved). Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Packing Plant (add.), 4142 Germantown avenue, Philadelphia. Architect, C. B. Comstock, Pittsburgh, Pa. Owners, John J. Felin & Co., on premises. Brick and reinforced concrete, 5 stories, 60x100 feet, slag roof, electric lighting. Contract awarded to Fidelity Construction Co., Heed Building, Philadelphia.

Store and Residence (alt. and add.), 3645 Woodland avenue, Philadelphia. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Mrs. Hortense L. Becker, 2309 North Park avenue. Brick, 3 stories, slag roof, parquet floors, composition flooring, metal ceilings (heating, electric work and store fixtures reserved). Contract awarded to

Lam Building Company, 1001 Wood street, Philadelphia.

Factory (add.), East Tioga and D streets, Philadelphia, \$7,000. Architect, private plans. William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Brighton Worsted Co., on premises. Brick, 2 stories, 60x43 feet, slag roof, steam heating, electric lighting. Contract awarded to George H. Thirsk, 2739 Jasper street, Philadelphia.

Store and Apartments (alt. and add.), 2452 North Broad street, Philadelphia. Architect, E. D. Salter, Parkside and Wynnefield avenues, Philadelphia. Owner, Charles H. Grakelow, 1430 West Cumberland street, Philadelphia. Brick, 3 stories, reinforced concrete floors, reinforcing bars (heating, plumbing and electric work and tile work reserved). Contract awarded to Joseph Bird Co., 213 North Eleventh street, Philadelphia.

Storage House, American and Cambria sts. Architect, private plans. Owners, American Ice Co., Sixth and Arch streets, Philadelphia. Brick and concrete, 1, 2 and 3 stories, 120x360 feet, slag roof, reinforced concrete, electric lighting. Contract awarded to Monaghan & Losse, 214 South Twelfth street.

PENNSYLVANIA

Construction News

Hotel (alt. and add.), Scranton, Pa. Architects (Assoc.), Charles P. Krieg, McKenzie, Voorhees & Gmelin, 1123 Broadway, New York City. Owners, Casey Hotel Co., P. J. Casey, president, Scranton, Pa. Brick, hollow tile and steel, fireproof, 9 stories, 200 rooms with baths, composition roof, steam heating, electric lighting, metal lath, dampproofing and waterproofing. Plans completed. Owners taking bids.

Apartment House, Scranton, Pa., \$15,000. Architect, J. J. Howley, Peoples Bank Building, Scranton, Pa. Owner, J. J. Howley, Peoples Bank Building, Scranton, Pa. Hollow tile and stucco, 4 stories, 75x45 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors, metal lath, trunk lift. Architect taking sub-bids.

Store and Apartments, Carbondale, Pa., \$24,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, Dr. M. E. Nealon, Carbondale, Pa. Brick and hollow tile, 5 stories, 34x80 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Architect has received bids.

School, Carbondale Heights, Pa., \$150,000. Architect, E. H. Davis, Connell Building, Scranton, Pa. Owners, Board of Education, Carbondale, Pa. Brick, 3 stories, slate roof, mechanical warm air heating system, electric lighting, waterproofing and dampproofing, slate blackboards. Plans about completed. Owners will take bids in about two weeks.

Parochial School and Convent, Scranton, Pa. Architect, John J. Feeney, Coal Exchange Building, Scranton, Pa. Owners, St. Joseph



Does Your Roof Leak?

Tin and Slag
Roofing
HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

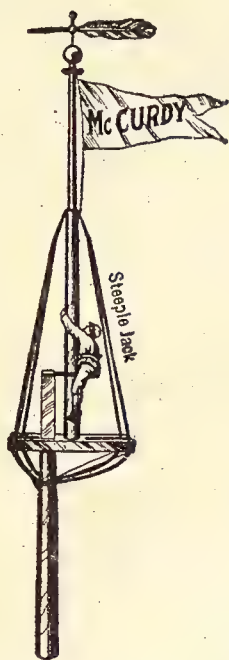
The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



FLAG POLES and Fittings

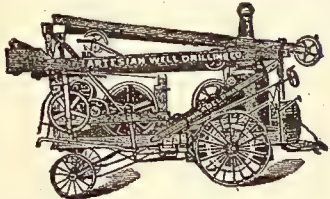
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

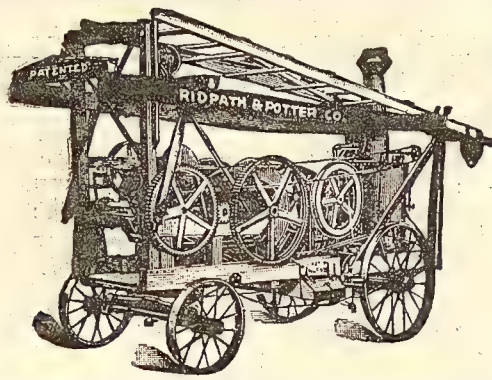
R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

Lithuanian Congregation, Rev. John R. Kuras, 116 Theodore street, Scranton, Pa. Brick, frame and stucco, 2 stories, 60x100 feet, slate roof, steam heating, electric lighting, metal ceilings, plaster board. Plans in progress.

Station, Tunnels and Platform, Johnstown, Pa., \$150,000. Architect, Kenneth M. Murchison, 101 Park avenue, New York City. Owners, Penna. Railroad Co., Broad St. Station, Philadelphia. Brick, granite and limestone, terra cotta and steel, fireproof, 2 stories, 70x150 feet, slate, copper and slag roof, waterproofing, concrete fireproofing, reinforcing bars, kalamoin doors, metal lath, safety treads, iron stairs, tile, marble and terrazzo work, steam heating, electric lighting, elevator. Owners taking bids, due September 1st. The following are figuring: Irwin & Leighton, 126 North Twelfth street; John Gill & Co., 1339 Filbert street; Metzger & Fisher, Denckla Building; Roydhouse-Arey Co., Fidelity Building; F. A. Havens Co., 215 North Nineteenth street; Brann & Stuart Co., Commercial Trust Building; Chas. McCaul Co., 1715 Sansom st.; Pomeroy Construction Co., 1609 Ranstead st., all of Philadelphia, Pa.; Cuthbert Bros., Bessemer Building; C. A. Riffe Co., Germania Building; Geo. A. Cochrane Co., 1220 Columbus avenue; D. T. Riffe, Feenan Building; Henry Shenk Co., 1154 Century Building; W. F. Trimble & Sons Co., 171 Pennsylvania avenue; N. S. Miller Const. Co., 530 Fernando street; Dawson Const. Co., May Building; Pittsburgh Const. Co., Diamond Bank Building, all of Pittsburgh, Pa.; W. D. Steinbach's Sons, Lewistown, Pa.; J. Henry Miller, Eutaw and Franklin streets, Baltimore, Md.; and the F. W. Mark Construction Co., Cleveland, Ohio.

Residence, Loretto, Pa., \$150,000. Architects, Wm. Baumgarten & Co., 715 Fifth avenue, New York City. Owner, Charles M. Schwab, 111 Broadway, New York City. Limestone, steel and concrete, fireproof, 3



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

stories, 82x53 feet, wing 44x31 feet, slate and tile roof, waterproofing, electric lighting, steam heating, tile and marble work, oak floors, elevator, metal weatherstrips, kalamoin doors, metal sash. Architects taking an additional bid, due August 30th. Wm. Steele & Sons Co., 1600 Arch street, and F. A. Havens & Co., 845 North Nineteenth street, Philadelphia, are figuring.

Garage, Rydal, Pa., \$1,500. Architect, private plans. Owner, J. Howard Sheble, 1535 Land Title Building, Philadelphia. Stone, frame and plaster, 1½ stories, shingle roof, hot water heating, electric lighting, cement floors. Owner is taking bids, due August 26th.

Hall Building (alt. and add.), Ardmore, Pa., \$25,000. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Cassia Lodge No. 273, F. & A. M., Ardmore, Pa. Stone, 2 stories, 61x89 feet, slate roof, (heating, plumbing and electric work separate bids). Architect taking revised bids, due September 2d. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; J. B. Flounders, 1329 Arch street, Philadelphia; Wolf & Dilworth, Bryn Mawr, Pa.; Philip S. Davis, Bryn Mawr, Pa.; Joseph J. Graham, Bryn Mawr, Pa.; Alfred James, Bala, Pa.; W. Harry Roberts, P. O., Ardmore, Pa.; F. H. Mahan, Ardmore, Pa.; W. D. Smedley, Narberth, Pa.; Charles C. Pace, Merion, Pa.; J. D. Lingle, Wayne, Pa.; Geo. L. Croll, Rosemont, Pa.; and Gray Bros., Rosemont, Pa.

Church, Frackville, Pa. Architect, W. D. Hill, 207 North Centre street, Pottsville, Pa. Owners, Russian Orthodox Greek Catholic Church, Rev. Andrew Vanyush, Frackville, Pa. Frame, 1 story, 30x75 feet, asbestos shingle roof, hot water heating, electric lighting. Owners taking bids, due September 4th.

Residence, Scranton, Pa., \$5,000. Architect, private plans. Owner, Oren C. Peck, 603 Dean street, Scranton, Pa. Frame, 2½ stories, 28x32 feet, shingle roof, electric lighting. Owner is sub-letting all contracts.

Residence, Parsons, Pa. Architect, James A. Boyle, Bennett Building, Wilkes Barre, Pa. Owner, John J. Kelley, Parsons, Pa. Frame, 2½ stories, 52x18 feet, slate roof, steam heating, electric lighting. Owner is taking bids.

Residence, Wallingford, Pa., \$10,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Herbert Fulweiler, 4335 Chestnut street, Philadelphia. Brick, 2½ stories, 60x26 feet, shingle roof, worm air heating, electric lighting, metal lath. Architects taking bids, due August 27th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; Elfret & Wood, 1706 Sansom street; Plummer E. Jefferis, West Chester, Pa.

Residence, Lansdowne, Pa. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, C. N. Godfrey, care architect. Hollow tile and plaster, 2½ stories, 37x27 feet, wing 16x22 feet, slate or shingle roof, electric lighting, tile work, (heating reserved). Architect taking bids, due August 30th. The following are figuring: Specht & Sperry, Heed Building; H. E. Baton, Twelfth and Sansom streets; F. B. Davis, 240 North Sixteenth street; A. Whitehead, 1624 Latimer street; Sutton & Stephenson, 1317 Washington avenue; Herbert L. Walton, Moylan, Pa.; Wm. O. Schuster,

Lansdowne, Pa.

Church (add.), Reading, Pa., \$8,000. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owners, First Presbyterian Church, Rev. R. M. Blackburn, Reading, Pa. Brick and steel, 2 stories, 73x47 feet, will contain gymnasium, slag roof, steam heating, electric lighting, hardwood floors. Architect taking sub-bids, due August 24th.

Bank Building (alt. and add.), Reading, Pa., \$15,000. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owners, Reading Trust Co., Reading, Pa. Stone, 2½ stories, consists of new front and remodeling of interior, elevator, electric lighting. Plans in progress.

Residence, Williamstown, Pa., \$10,000. Architects, Stetler & Mengel, Wyomissing, Pa. Owner, J. B. Leshner, Williamstown, Pa. Tapestry brick, 2½ stories, 50x30 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Office Building, Sinking Springs, Pa., \$4,000. Architects, Stetler & Mengel, Wyomissing, Pa. Owner, W. W. Weber, Sinking Springs, Pa. Hollow tile and stucco, 1 story, 30x40 feet, asphalt slate roof, steam heating, electric lighting. Owner is taking bids.

Garage, Kutztown, Pa., \$4,000. Architects, Stetler & Mengel, Wyomissing, Pa. Owner, O. H. Dietrich, Kutztown, Pa. Brick, 2 stories, 48x50 feet, slag roof, steam heating, electric lighting, cement floors. Plans in progress.

School Building (add.), Huntingdon Valley, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owners, Board of Education, Huntingdon Valley, Pa. Stone, 2 stories, 57x84 feet, slate roof, slate blackboards (heating, plumbing and electric work separate bids). Lowest bid submitted by Frank Heston, Churchville, Pa.

Hospital Buildings, Fairview, Pa. Architect, J. C. M. Shirk, 421 Chestnut street, Philadelphia. Owners, State Hospital for Criminal Insane, H. G. Ashmead, secretary, Room 284, City Hall, Philadelphia. Stone, brick and steel, fireproof, 1 and 2 stories, consists of Ward "H" building, dining rooms, kitchen and generator room (heating, plumbing and electric work separate bids). Owners taking bids, due September 3rd at noon. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring. Plans may be obtained from architect upon deposit of \$100.

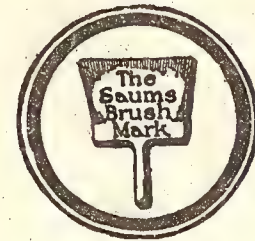
Paving, Marcus Hook, Pa. Engineer, Chas. Upham, Georgetown, Del. Owners, Borough of Marcus Hook, Jesse Devonshire, President of Councils, Marcus Hook, Pa. Consists of 7,000 square yards of pavements and 800 square yards of concrete gutters. Owners taking bids, due September 6th at 8 P. M. Plans and specifications may be obtained from engineer.

AAmmunition Buildings, Fort Mifflin, Pa. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Brick, concrete and steel, shell house, 1 story, 50x200 feet; fixed ammunition storehouse, 50x100 feet; magazine building, 50x100 feet; extension to reforming plant, 60x40 feet, gravel and asbestos roofs, metal sovered doors, steel sash, reinforcing bars. Lowest bidder, Charles Gilpin, Harrison Building, Philadelphia, \$53,749.

THREE REPEAT ORDERS



FOR



SAUMS PRESERVATIVE



MERCANTILE CLUB OF PHILADELPHIA

1st Order December 24th, 1914
 2nd " March 6th, 1915
 3rd " July 28th, 1915

These orders were for treating wood
 floors in splintered condition.

This is convincing evidence of the
 successful results obtained by the use of
SAUMS PRESERVATIVE.

The Only Permanent Preservative.

**Furnished, Applied and Guaranteed
 for Five Years by**

THE SAGENDORPH CO., Inc.

N. E. Cor. 24th and Walnut Streets
 Philadelphia, Pa.

PENNSYLVANIA

Contracts Awarded

Residence (alt. and add.), Berwyn, Pa., \$5,000. Architect, Horace Wells Sellers, St. Girard Building, Philadelphia. Owner, E. Lewis Burnham, Berwyn, Pa. Stone and stucco, 2½ stories, shingle roof, expanded metal lath, oak floors, (heating, plumbing, electric work and tile work reserved). Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Residences (17), Scranton, Pa., \$51,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owner, E. S. Peck, 1520 Adams avenue, Scranton, Pa. Frame and stucco, 2 stories, 28x34 feet, shingle roofs, steam heating, electric lighting, metal lath. Contract awarded to Peck Lumber and Mfg. Co., 111 Market street, Scranton, Pa.

Residence, Laverock, Pa. Architects, Furness, Evans & Co., and Joseph T. Sims, Provident Building, Philadelphia. Owner, Charles Platt, Jr., 400 Chestnut street, Philadelphia. Frame or hollow tile and stucco, 2½ stories, 46x30 feet, shingle roof, electric lighting, oak floors, wire cloth, (plumbing and heating separate bids). Contract awarded to Geo. S. Roth, 230 E. Gravers lane, Philadelphia.

Residence, West Chester, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, G. H. McFarland, West Chester, Pa. Stone, 2½ stories, 45x26 feet, wing 22x20 feet, shingle roof, oak floors, (plumbing, heating, electric work and tile work reserved). Contract awarded to Joseph M. Burns, West Chester, Pa.

School, Highland Park, Pa. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owners, Board of Education, care J. M. Lutz, secretary, Llanerch, Pa. Stone, 2½ stories, 100x137 feet, slate roof, (heating, plumbing and electric work separate bids). Contract awarded to Lansdowne Const. Co., Lansdowne, Pa.

Fish Hatchery, Pleasant Mount, Pa., \$15,000. Architect, P. J. Morris, Burr Building, Scranton, Pa. Owners, Penna. State Department of Fisheries, Harrisburg, Pa. Brick, frame and stucco, 2 stories, 78x32 feet, asbestos shingle roof, electric lighting, cement floors, metal lath, steel sash, iron stairs, waterproofing and dampproofing. Contract awarded to Forest City Lumber and Construction Co., Forest City, Pa.

Apartment House, Scranton, Pa., \$15,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owner, P. J. Lalley, 328 Pittston avenue, Scranton, Pa. Brick, 3 stories, 51x45 feet, slag roof, steam heating, electric lighting. Contract awarded to Peck Lumber and Mfg. Co., 111 E. Market street, Scranton, Pa.

School, Harvard, Pa., \$10,000. Architect, P. J. Morris, Burr Building, Scranton, Pa. Owner, W. S. Sophia, Harvard, Pa. Frame, 2 stories, 70 x52 feet, slag roof, steam heating, electric lighting, metal lath. Contract awarded to Frank Holt, Carbondale, Pa.

Apartment House, Scranton, Pa., \$10,000. Architect, J. J. Howley, Peoples Bank Building, Scranton, Pa. Owner, Frank Carlucci, 912½ Madison avenue, Scranton, Pa. Brick and cement blocks, 4 stories, 44x50 feet, slag roof, steam heating, electric lighting, metal lath. Contract awarded to Carbondale Construction Co., Scranton, Pa.

Car Barn, Oil City, Pa., \$15,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Citizens' Traction Co., Oil City, Pa. Brick, concrete and steel, 1 story, 38x150 feet and 15x100 feet, slag roof and concrete roof (steel sash, rolling doors, heating, electric work reserved). Contract awarded to Lewis O. Bouquin, Oil City, Pa.

Factory Buildings, Reading, Pa., \$100,000. Architects, Lockwood, Greene & Co., 60 Federal street, Boston, Mass. Owners, Joseph Bancroft & Sons Co., Reading, Pa., and Wilmington, Del. Brick and reinforced concrete and steel, mill building, 3 stories, 169x145 feet; picker building, 2 stories, 52x105 feet, slag roofs, reinforcing bars, metal lath, safety treads, steel sash (heating, electric work and elevators reserved). Contract awarded to L. H. Focht & Son, Baer Building, Reading, Pa.

Garage, Haverford, Pa., \$20,000. Architect, H. Brooks Price, 105 West Fortieth street, New York City. Owner, Dr. Archibald G. Thomson, New Stock Exchange Building. Hollow tile and stucco, 2 stories, 34x90 feet, slate roof, hot water heating, electric lighting, dampproofing. Contract awarded to George & Brost, 277 South Eleventh street, Philadelphia.

NEW JERSEY

Construction News

Factory (add.), Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Taylor White Extracting Co., Coopers Creek, Camden, N. J. Brick and concrete, 2 stories, slag roof, steam heating, electric lighting, metal sash. Plans in progress. Architects will take bids in about two weeks.

Conduits, Camden, N. J. Architects, Karcher & Smith, 34 South Seventeenth st., Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Concrete and steel, waterproofing. Architects taking bids, due August 25th. The following are figuring: Turner Concrete Steel Co., 1713 Sansom st.; Geo. A. Fuller Co., Widener Building; Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth street, all of Philadelphia.

Bungalow, Pine Valley, N. J. Architect, Hugh Tallant, 345 Fifth avenue, New York

City. Owner, Thos. E. White, Stephen Girard Building, Philadelphia. Brick, cement blocks and frames, 1½ stories, 55x65 feet, shingle roof, steam heating, electric lighting, tile work, metal lath. Owner is taking bids.

School Building, Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, William C. Haines, District Clerk, Berlin, N. J. Brick, 1 story, 75x60 feet, slate roof (warm air heating, plumbing and electric work separate bids). Owners taking bids, due September 6th. Plans may be obtained from architect on and after August 25th.

School Building, West Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, William C. Haines, District Clerk, Berlin, N. J. Brick, 1 story, 75x60 feet, slate roof (warm air heating, plumbing and electric work sep-

arate bids). Owners taking bids, due September 6th. Plans may be obtained from architect on and after August 25th.

Club House, Spring Lake, N. J. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Spring Lake Golf Club, Spring Lake, N. J. Frame or hollow tile and plaster, 1½ stories, 75x180 feet, shingle roof, steam heating, electric lighting, tile work, metal lockers. Plans completed. Architects ready for bids.

Sewage System, Pitman, N. J., \$125,000. Engineers, Remington & Vosbury, Sixth and Market streets, Camden, N. J. Owners, Borough of Pitman, Pitman, N. J. Consists of complete sewage system and two sewage disposal plants. Plans in progress.

Sewage System, Pleasantville, N. J., \$100,000. Engineers, Remington & Vosbury, Sixth and Market streets, Camden, N. J. Owners, City of Pleasantville, Pleasantville, N. J. Consists of sewage system and sewage disposal plant. Plans in progress.

Road, Hammonton, N. J. Engineers, Remington & Vosbury, Sixth and Market streets, Camden, N. J. Owners, City of Hammonton, N. J. Consists of half mile of reinforced concrete road. Plans in progress.

Sidewalks, etc., Catsaqua Township, N. J., \$15,000. Engineers, Remington & Vosbury, Sixth and Market streets, Camden, N. J. Owners, Catsaqua Township Commissioners. New cement sidewalks and curbing. Plans in progress.

School (alt. and add.), Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owners, Board of Education, H. H. Young, secretary, Atlantic City. Brick, terra cotta, reinforced concrete and steel, fireproof, 3 stories, 90x150 feet, slag and slate tile roofing, metal sash, kalamein doors, metal lath, slate blackboards, metal lockers, dampproofing and waterproofing, composition flooring, safety treads, tile and marble work, weather strips. Owners taking bids, due September 9th at 5 P. M. The following are figuring: Alex. Chambley, 243 South Tenth street; Henry L. Brown, 1714 Sansom street; Cramp & Co., Denckla Building; Wilbert Beaumont, Stephen Girard Building, all of Philadelphia.

Residence, Atlantic City, N. J., \$20,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Robert C. Kolb, 798 Stuyvesant street, Trenton, N. J. Hollow tile and stucco, 2½ stories, 45x35 feet, tile roof, vapor vacuum heating, electric lighting, hardwood floors, tile work. Plans in progress.

School (add.), Pennington, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Board of Education, Pennington, N. J. Brick, 2 stories, slate roof, steam heating, electric lighting, slate blackboards. Plans in progress.

Abattoir (add.), Trenton, N. J. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, E. C. Hill, 7 West State street, Trenton, N. J. Brick and steel, 1 story, 116x80 feet, slag roof, electric lighting, concrete floors. Plans completed. Owner is ready for bids.

Factory (add.), Trenton, N. J. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owners, C. V. Hill & Co., 338 Bellevue avenue, Trenton, N. J. Brick, 3 stories, slag roof, electric lighting. Plans in progress.

Store Building (alts.), Trenton, N. J., \$5,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, I. Garb, 326 North Broad street, Trenton, N. J. Consists of general remodeling of interior. Architects taking bids, due August 27th. The following are figuring: Samuel Wiley, 517 Monmouth street; Carl Poinsett, 37 Maple

(Continued on page 550.)

WATERPROOFING DAMP PROOFING TECHNICAL PAINTS



UNITED STATES NAVY OFFICERS QUARTERS
LEAGUE ISLAND NAVY YARD

(EXTERIOR WALLS PAINTED WITH GF No. 100 COLORLESS WATERPROOFING)

1915 WATERPROOFING HANDBOOK ON REQUEST

QUALITY---SERVICE---PRICE

BUILDERS STEEL PRODUCTS CO.

PHILADELPHIA

HARRISBURG

WILKES BARRE

A COMPLETE LINE OF FIREPROOFING MATERIALS

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., AUGUST 25, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzinger.

Editorial Comment

Master steam fitters do not believe in the wisdom of that established phase of competitive bidding whereunder the contract goes to the man who is able not to do the work best, but who is able to do it for the least money. The practice of awarding contracts to the bidder lowest in price came in for a sharp scoring at the hands of the Board of Directors of the recent Master Fitters Convention.

After defining the meaning of competition as "the act of seeking or endeavoring to gain what another is endeavoring to gain at the same time" (Century Dictionary), the report adds:

"This definition, in itself, seems sufficiently clear to be easily comprehended by all of us. But what has become the meaning of the word as applied to our own business; what is it as we really understand it?

"To such extremes has the meaning of the word been distorted as to almost blot out its primary definition. Competition in feats of prowess or skill or art always has and always will mean only strength, agility, perfection, excellence and quality. Why should it not mean the same when applied to our work?

"Unfortunately, we have grown to associate this word with one consideration only—that of price; and the word to-day, with us, means—the endeavoring to gain what another wants by the exercise of cupidity, without regard to perfection, excellence or quality. Such competition is unfair and is based on the policy of 'each one for himself and devil take the hindmost.'

"Those conducting their business along these lines show an utter disregard for the rights of others. Competition in the form of mere price comparison is the most degrading form of competition to those who indulge in it. Said Mr. J. B. Adams, sales and advertising manager of Iver-Johnson Arms and Cycle Works, Fitchburg, Mass., recently, 'The only phase of competition which can benefit humanity is quality competition, and that is the exact antithesis of price competition. The two cannot ride in the same boat. When price competition begins, quality competition ceases.'

"We all know that to be a fact. Why should we not adopt it as the fundamental principle of our work?

"Where did the practice of awarding the contract to the lowest bidder begin? What excuse has such a practice for existing? We all know that it is impossible to secure the best or even good work by such a method. Why should we not take the initiative in an attempt to correct this method?

"Why should we not unite in an earnest endeavor to persuade architects and owners to abandon this practice and adopt a new one? Suppose they were to award the contract to the 'average' bidder, would not this retain all the essentials of competitive bidding, elim-

inate all temptation on the part of the bidders to 'skin the job' and secure for the purchaser the best possible results, in accordance with the true intent and meaning of the plans and specifications?"

* * *

What is said here of heating is equally true of building generally. Why should the "lowest" bidder be singled out to do work that cannot be properly done at the price bid? Wouldn't it be better if the architect could be given the power to select not the lowest, but the best average bidder—that bidder, let us say, whose bid, in the judgment of the architect, would admit of a reasonable margin upon which to meet specified requirements? The general adoption of some such system as this would do more than eliminate "scamping" and "extras." It would encourage the conscientious type of contractor to aim at quality and make it possible for the man whose work was right to continue at the building game instead of yielding in despair to the gambler, the "work-at-any-price" man and the chap who having nothing to lose is willing to "take a chance."

* * *

"Sheet Metal" indulges a comment on the condition of the cornice trade that goes to show that poor work does not pay. Competition has been unusually keen in the metal cornice field, with the result that contracts have been taken at figures away below normal. The result has been scamped work. And out of this scamping a falling-off in the demand for metal cornice work. The old, old law of cause and effect. Bad cornice work led builders to conclude that the metal cornice was a false economy and an entire industry is made to suffer by reason of the injudicious competition that lowered accepted standards of quality.

* * *

"Complaint comes from many contractors who make a specialty of metal cornice work that trade conditions are abnormally depressed," remarks "Sheet Metal." "Some fear that the industry is in a state of decline.

"There is no serious cause for apprehension about the stability of this branch of the sheet metal workers' livelihood. The sheet metal cornice is more than a long accepted institution. It survives because it is modern in principle as related to the all-important matter of fireproof construction, and for many years to come it will enjoy the demand of a practical necessity. In seeking for causes of trade depression, it is obvious that the sheet metal man has suffered principally from the recent slump of building operations, which is beyond his control, but it is also apparent that a great many contractors have been made innocent victims of the operations of unscrupulous and incompetent contractors. The galvanized iron cornice has lost some part of the favor that belongs to it

through the dangerous influence of the cheap and badly erected work to be seen in many localities. This may be identified by cornice bodies partly dislocated, falling brackets, peeling paint, etc., the cornice not infrequently in conjunction with workmanship of this class exhibiting an outlandish design, or one wholly inappropriate for the purpose.

"Since architects, builders and owners, or those who project new buildings, are largely creatures of impression, it is not surprising if many of them absorb prejudice and give preference to other materials or form of construction.

"Fortunately the sheet metal trade is broadly represented by competent business men, who operate well equipped establishments. This permanent element may be depended upon to exert its influence for the integrity of the business, and to frame its estimates so as to provide for the best material and workmanship at a fair profit. The beauty and permanency of good sheet metal cornice work is its own safeguard, and the guarantee of its increased employment for a variety of purposes."

* * *

Speaking of cornices, the Gill Brothers are designing some houses, out on the Pacific Coast, that are not only without cornice, but that are wholly destitute of ornament. These houses, a curious blend of the Spanish mission idea with cubist tendencies, are highly praised in the current number of Mr. Gustav Stickley's "Craftsman" magazine.

"Whoever speaks of Irving J. Gill's work or that of his associate, Louis J. Gill," says "The Craftsman," "must dwell upon his radical views of design as well as of construction. Architects more than any other creative workers, perhaps, are forced to work somewhat within traditional limits. Their designs must be governed by consideration of practical things, such as cost and endurance of material, size of lot and the personal wishes of the owner. Their work must be beautiful and original in design, permanent in construction, able to withstand fire, time and the elements. Without the tremendous cohesive force of imagination, these herculean tasks could not be performed. Desiring to do his part toward creating a new domestic architecture, Irving Gill threw aside all the conventional standards of known styles and began with the three first principles, the square, the circle and the line. Working with these fundamental powers and ridding his mind of all accepted standards of ornamentation used to cover up defective lines, he saw that plain diverging horizontal lines were full of fine classic beauty, that arches not only made but framed pictures, that the design of a building must reckon with lights and shadows as well as forms, and that Nature must be taken into partnership and entrusted with the rich task of adding the final beauty to his work. So against the plain walls and simple arches of his designing, he plants creepers that embroider incomparable patterns over the arches and around the pillars, crowd into the corners, delicately outline windows and cornices and mass at irregular

intervals along the eaves or the top of walls. The broad sweep of green lawn seems to touch with caressing fingers the walls of this building, drawing them close into the very heart of the garden. And this is done so informally and so graciously that, looking over the building and its surroundings with fresh unprejudiced mind, one could not fail to realize that the richest and most intricate carving or man-made ornamentation of any kind would fail in beauty if compared with the decorative tracery of the green vines. On every side the long sweeping lines of the architecture seem inspired by the gracious curve of the California landscape, fitting in admirably with the low swell of the surf and the gentle range of hills. And the result is an architectural beauty that is neither Italian nor Greek, Spanish nor French, but distinctly Californian, belonging to a new civil-

ization with a new instinct for home building and a new belief in the value of Nature as an architectural aid. As a matter of fact, it is not too much to say that the Gills have in less than a decade achieved the miracle of a new architecture at once practical and satisfying."

* * *

It's all in the point of view, we suppose. For our own part, we must confess that the Gill house as shown in the illustrations accompanying the article, resembled nothing so much as a series of boxes modified by an occasional pergola or arched window opening. If any particular grace attaches to that class of designing it is a reflected charm due to the surrounding landscape rather than to any subtleties discernible in the Messrs. Gills' designing.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**Friends of the Young Artists, an organization which has held two successful competitions already, one for young sculptors and the other for young painters, announced recently a third competition, which will be for young architects. Of this Thomas Hastings will be in charge, and will be one of the twenty-five members of the jury to award. The theme is a private mausoleum, to be erected by the head of a well-known family in the principal cemetery of his native city, to be the burial place for the members of his immediate family. It is suggested that the building, which is to be erected on a site 50 feet wide on the principal avenue and 75 feet deep, should be designed in the free treatment of classic or Renaissance architecture, and arrangement is to be made for sixteen catacombs, placed either with the lateral or end face or slab toward the interior. Conditions also provide that there shall be an altar raised one step above the general level of the interior and one or more windows are required. The building proper is not to exceed 28 feet in its greatest exterior dimension. As in the other competitions, thirteen prizes will be awarded, the first of \$200, the second \$150, and the third \$100, and ten prizes of \$25 each. Four weeks will be given for the development of the work, and the exhibition will be opened to the public on September 15, to continue for one month. The work, which may be executed by any young architect must be completed and delivered at Mrs. Harry Payne Whitney's studio, 8 West Eighth street, New York City, on or before September 3. This is to be individual work and collaboration will not be permitted.

**Philip P. Farley, formerly the president

of the Jamaica Bay Improvement Commission and recently consulting engineer to the New York State Highway Department, has opened an office at 103 Park avenue, New York, where he will practice as a consulting civil engineer.

**Leroy A. Rushworth, Anton E. Linblad and Alexander B. Corelius, architects, have recently formed the firm of Rushworth, Lindblad & Corelius for the joint practice of their profession. The firm has opened an office in the Chadakoin Building, West Third street, Jamestown, N. Y.

**On June 1 of the current year the number of automobiles in the United States for the first time reached 2,000,000. Figuring on an average of four persons to each car, which is very conservative, there are 8,000,000 people in this country in daily enjoyment of motoring. What it costs to follow this sport is of interest, because of the stupendous figures involved. To run 2,000,000 cars for one year requires at the very least 1,000,000,000 gallons of "gas," worth \$130,000,000; 20,000,000 gallons of lubricating oil, worth \$8,000,000; 12,000,000 tires, worth not less than \$16 apiece, or \$192,000,000. Add \$100,000,000 for repairs, \$100,000,000 or \$50 per car for goggles, gloves, robes, caps, etc., and \$200,000,000, or \$100 per car for garage charges on short tours. Total running expenses of all cars used, \$730,000,000. Add thereto the value of 600,000 new cars purchased during the year, \$450,000,000, and we get the immense total of \$1,180,000,000 spent in a single year on the sport of motoring.—"Hardware Review."

**Philip P. Farley, formerly consulting engineer to the New York State Highway Department during the administration of Gover-

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



nor Glynn, has opened offices at 103 Park avenue for the purpose of continuing his practice as a consulting engineer.

**C. H. Kennedy was recently appointed manager of the New York City division of the Kennedy Valve Manufacturing Co., Elmira, N. Y., succeeding Thomas F. Cushing. Mr. Kennedy's father, Daniel Kennedy, is the president and founder of the plant at Elmira.

**R. A. Bethune, of the firm of Bethune & Fuchs, architects of Buffalo, N. Y., who died recently, was the oldest practicing architect in the city of Buffalo. Mr. Bethune's death makes George H. Metzger, 19 West Huron street, now dean of the architectural profession in Buffalo.

**Real estate men and builders at Washington, D. C., are advocating the enactment of a law restricting the minimum width of all buildings erected on the residential streets of the city. It is understood that the District Commissioners will be requested to adopt new regulations prohibiting the erection of small buildings on lots with a frontage in streets where large dwellings and apartment houses are located. The proposed measure would apply to nearly all streets in the city, and the minimum width of buildings would vary according to the location of the streets.

**The American Institute of Architects will hold its next convention on the Pacific Coast—in October—and sessions will be held both in San Francisco and Los Angeles. Entertainment committees have been appointed by both the San Francisco and Southern California chapters.

**John G. Seiner, architect, 76 Thompson street, Buaflo, N. Y., desires samples and catalogues of patent store front construction.

**The Michigan Legislature recently passed a law becoming effective August 24, requiring the registration of all architects practicing in the State.

NEW JERSEY CONSTRUCTION NEWS.

(Continued from page 546.)

street; Teitz & Son, Seeger & Son, all of Trenton, N. J.

Residences (10), Trenton, N. J. Architect, private plans. Owner, Harry Siegel, 123 Phillips street, Trenton, N. J. Brick, 2 stor-

ies, 14x40 feet each, slag roofs, hot air heating. Owner is sub-letting all contracts.

Residences (4), Trenton, N. J. Architect, private plans. Owner, Samuel Hilton, Forst Richey Building, Trenton, N. J. Brick, 2½ stories, 14x30 feet each, slate and tin roofs, hot air heating. Owner is sub-letting all contracts.

NEW JERSEY Contracts Awarded

Factory, Ninth and Bailey streets, Camden, N. J., \$30,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Wood Mfg. Co., Seventh and Erie sts., Camden, N. J. Brick, 1 story, 142x165 feet, slag roof, steel sash, (heating and electric work reserved). Contract awarded to Frank Turner, 828 Broadway, Camden, N. J.

School Building (add.), Audubon, N. J. Architect, John H. Mowere, 3110 Columbia avenue, Philadelphia. Owners, Board of Education, Geo. N. Hoffman, district clerk, Audubon, N. J. Consists of an addition, containing 2 toilet rooms, (plumbing, heating and fire escapes separate bids). Contract awarded to Joseph West, Audubon, N. J.

Miscellaneous Construction News

Residence, Wilmington, Del. Architect, Albert W. Dilks, 1001 Chestnut street, Philadelphia. Owner, H. M. Barksdale, Dupont Building, Wilmington, Del. Brick, 2½ stories, 53x33 feet, wing 22x17 feet, shingle roof, electric lighting, tile work, (heating reserved). Architect taking bids, due August 27th. The following are figuring: Henry L. Brown, 1714 Sansom street; Alex. Chambley, 243 S. Tenth street, Philadelphia; W. D. Haddock & Co., 814 Orange street; J. A. Bader Co., Dupont Building; A. S. Reed & Bro. Co., 815 Shipley street, all of Wilmington, Del.

Post Office, Smyrna, Del. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Stone and brick, 1 story, tin roof, steam heating, electric lighting, metal lath, tile and marble work, fireproof floors. Owners taking bids, due September 29th, at 3 P. M.

Residence (alt. and add.), Montchanin, Del., \$25,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington, Del. Owner,

R. R. M. Carpenter, Dupont Building, Wilmington, Del. Hollow tile and plaster, 2½ stories, addition 54x36 feet, tile roof, oak floors, canvas floors, reinforced concrete fireproof, reinforcing bars, metal lath, (tile work, heating, plumbing and electric work reserved). Revised plans in progress.

Garage and Service Building, Wilmington, Del. Architect, John D. Thompson, Jr., Ford Building, Wilmington, Del. Owner, Wm. B. Austin, Penn avenue and Clayton street, Wilmington. Brick and steel, 2 stories, slag roof, steam heating, electric lighting. Plans in progress.

Packing Plant (add.), Buffalo, N. Y. Architect, H. P. Henschien, 431 South Dearborn street, Chicago, Ill. Owners, Jacob Dold Packing Co., Buffalo, N. Y. Reinforced concrete and brick, 4 stories, 158x100 feet, composition roof, steel sash, steel stairs, waterproofing, enameled bricks. Architect taking bids, due August 27th. Cramp & Co., Denckla Building, Philadelphia, are figuring.

Miscellaneous Contracts Awarded

Real Estate Building, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Perpetual Savings and Loan Association, Wilmington, Del. Tapestry bricks and terra cotta, 3½ stories, 20x60 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing, tile work, oak floors, cabinet work. Contract awarded to Charles J. Dougherty, 1809 Lincoln street, Wilmington, Del.

Club House (alt. and add.), Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Knights of Columbus, care Matthew Murphy, Wilmington, Del. Brick, stone trimmings, 3 stories, 38x60 feet, slate and tin roof, hot air heating, electric lighting, tile work, hardwood floors. Contract awarded to Joyce & Kerrigan, Wilmington, Del.

MARYLAND Construction News

Store Building (alt. and add.), 217 W. Baltimore street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Louis Applefeld, 41 S. Liberty street, Baltimore, Md. Brick, 5 stories, consists of new store front and interior alterations, steam heating, electric lighting. Plans in progress.

Residence, Stevenson Station, Md., \$100,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Walter B. Brooks, Commerce and Water streets, Baltimore, Md. Brick and plaster, 2½ stories, 48x189 feet; wing, 84x45 feet, slag and copper roof, concrete floors, reinforcing bars, marble and tile work, metal lath, steam heating

(electric work, hardwood and parquetry floors and weather strips reserved). Architect taking bids, due August 31st. The following are figuring: Milton W. Young, Overbrook, Philadelphia; George F. Payne & Co., 401 South Juniper street, Philadelphia, and West Construction Co., Knickerbocker Building; Gladfelter & Chambers, 729 Roland avenue; G. W. Tovell, Eutaw and McCulloh streets; Cowan Building Co., 106 West Madison street; John F. Kunkel, 29 South Linwood avenue, all of Baltimore, Md.

Factory Buildings, Curtis Bay, Baltimore, Md., \$1,000,000. Architect, private plans. Owners, American Distributing Co., Lombard street, Baltimore, Md. Armored concrete and steel. Fermenting building, 95x188 feet; rectifying building, 100x239 feet; cooperage shop, 221x75 feet; denaturing building, 181x82 feet; warehouse, 185x191 feet; blacksmith shop, 40x69 feet. Work about to be started.

Stable, Graves near Monument street, Baltimore. Architect, L. L. Wagner, care of Consolidated Gas, Electric Light and Power Co., Lexington and Liberty streets. Owners, Consolidated Gas, Electric Light and Power Co. Brick, 2 stories, 63x100 feet, slag roof. Plans in progress.

Parish House (add.), Baltimore, Md. Architect, Fred Wright, 155 Augusta avenue, Baltimore. Owners, St. James' P. E. Church, Rev. J. George Carl, 1609 Monroe street, Baltimore, Md. Stone, one additional story, 60x30 feet, steam heating, electric lighting. Owners taking bids, due September 1st.

Residence, Carlisle near Garrison avenue, Baltimore, Md. Architect, private plans. Owner, Mrs. Josephine Langriel, 20 North Patterson Park avenue, Baltimore. Frame, 3 stories, slate roof, electric lighting, tile work (heating reserved). Owner taking bids. The following are figuring: E. G. Turner, 15 East Fayette street; C. W. Littleton & Son, 4513 Liberty Heights avenue; Henry Smith & Sons, German and Light streets; A. Knell, Jr., 215 St. Paul street; R. E. Chambers, Thirty-sixth and Roland avenue, all of Baltimore.

Factory Building, Woodberry, Md. Architects, Emory & Nussear, Professional Building, Baltimore, Md. Owners, Poole Engineering and Machine Co., Woodberry, Md. Brick and steel, 2 stories, 100x290 feet, slag roof, electric lighting. Plans about completed. Architects will take bids in a few days.

Residence, Wardour Station, Md. Architect, Theodore Wells Pietsch, American Building, Baltimore. Owner, Carryl H. Bryan, Wardour Station, Md. Hollow tile and plaster, 2½ stories, 56x41 feet, steam heating, electric lighting, tile work, hardwood floors. Architect taking bids, due September 1st. The following are figuring: R. H. Frazier & Son, 224 West Mulberry street, Baltimore, Md.; Burns & Russell, American Building, Baltimore; A. P. Heymond, Winchester, Md.; Beam Bros., Annapolis, Md.; P. E. Herbieux, Annapolis, Md.; E. E. Parkinson, Annapolis; John J. Steble, Annapolis, Md.

ket streets. Cost, \$106,800. Nineteen dwellings, stone and brick, 2 stories, 15x45 feet, Sixty-second and Walnut streets.

Southward Const. Co. (O), 360 Winton street. Cost, \$62,200. Twenty-eight stores and dwellings, brick, 2 stories, 14x40 feet, Lee and Jackson streets.

John & Jas. Dobson Inc. (O), Manayunk, Pa. Cost, \$30,000. Warehouse, brick and stone, 193x82 feet, Crawford and Ige avenue.

Mrs. Elsie Praul (O), 5907 Greene street. John A. Moore (C), 6224 Wissahickon avenue. Cost, \$4,000. Two dwellings, brick, 2 stories, 14x40 feet, Hermit and Bridge streets.

Thos. Potter Sons Co. (O), Second and Erie avenue. Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$70,000. Manufacturing building, brick and concrete, 4 stories, 110x106 feet, Second and Erie avenue.

F. E. Kaub (O), 508 Oak Lane avenue. H. C. Zingoo (C), 2527 North Seventh street. Cost, \$4,800. Two dwellings, brick and stone, 2 stories, 15x42 feet, 1841 East Venango street.

Alterations and Additions

Lee D. Ellis (O), 2140 Catherine street. Jas. D. Ellis (C), 1345 South Sixteenth street. Cost, \$800. Stable and garage, Fifteenth and Manning streets.

Frank J. Dulin (O), Fifth and Lehigh avenue. Seidman & Getz (C), 1312 North Sixth street. Cost, \$3,900. Saloon and dwelling, Fifth and Lehigh avenue.

Nicholas I. Hayes (O), 3636 North Broad street. McLaughlin & McNamara (C), 3872 Elser street. Cost, \$2,000. Post office, 3628 Germantown avenue.

Board of Education (O), Land Title Building. Noe-Wadlow Co. (C), 1024 Ridge avenue. Cost, \$1,031. School, Fifty-third and Baltimore avenue.

Board of Education (O), Land Title Building. Noe-Wadlow Co. (C), 1024 Ridge avenue. Cost, \$730. School, Rhawn and D streets.

Mrs. Emma Ashdale (O), 1703 North Third street. Samuel S. Sanders & Bro. (C), 519 Richmond street. Cost, \$400. Dwelling, 1703 North Third street.

Abbott Estate (O), Broad and Race streets. Geo. E. Sladin & Co. (C), 1272 Clover street. Cost, \$1,000. Store and dwelling, 415 South street.

A. M. Zane (O), 2200 Tioga street. Harry R. Helms (C), 2441 West Allegheny avenue. Cost, \$450. Store, 4600 North Thirteenth street.

Miss Garger (O), 2212 Fairmount avenue. Wm. Creceluis (C), 2347 South Eighth street. Cost, \$800. Two stores and dwellings, 705 and 718 South street.

Wm. C. Fitzgerald (O), 1323 Walnut street. Loos & Dothard (C), Commercial Trust Building. Cost, \$2,000. Garage, 4108 Sansom street.

David Berg Distilling Co. (O), Delaware avenue and Tasker street. Jos. Levin Co. (C), 1530 South Sixth street. Cost, \$6,500. Cooper shop, Delaware avenue and Moore street.

Peter J. Scully (C), 2739 Howard street. Cost, \$550. Work shop, 2736 Hope street.

Mrs. Ellen Flanagan (O), 2209 Olive street. H. B. Boorse (C), 665 North Fifteenth street. Cost, \$550. Dwelling, 2209 Olive street.

S. S. Keely & Sons (O), North Manayunk, Phila. P. & R. RR. Co. (C), Twelfth and Market streets. Cost, \$350. Office and shed, Leverington and Main streets.

Dobson Estate (O), 28 North Front street. C. Morris Swartley (C), 6835 Ridge avenue. Cost, \$700. Dwelling, Queen lane and Ridge avenue.

Eisenlohr & Bro. (O), 932 Market street. P. M. Sax (C), Heed Building. Cost, \$1,000. Store, 932 Market street.

MARYLAND

Contracts Awarded

Factory, Hagerstown, Md., \$50,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Panghorn Corporation, Hagerstown, Md. Brick, concrete, steel and terra cotta, fireproofing, 2 stories, 100x190 feet, slag roof, steam heating, electric lighting, steel sash, dampproofing, metal lath, reinforcing bars. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore, Md.

Coal Pockets, Monument street, Baltimore, Md., \$15,000. Architect, Geo. R. Callis, Jr., Knickerbocker Building, Baltimore, Md. Owners, C. Hoffberger & Co., 530 E. Monument st., Baltimore, Md. Concrete and steel, 46x46 feet. Contract awarded to Specialty Engineering Co., E. Allegheny and Trenton avenues, Philadelphia.

Church, Frostburg, Md., \$10,000. Architect, George F. Sunbury, Cumberland, Md.

Owners, Salem Reformed Church, Frostburg, Md. Brick and frame, 1 story, 60x35 feet, slate roof, steam heating, electric lighting. Contract awarded to O. Gerlach, Frostburg, Md.

Garage and Show Rooms, 1112 to 1116 Cathedral street, Baltimore. Architect, Edward H. Glidden, Garrett Building, Baltimore. Owner, C. Warner Stork, The Rochambeau, Baltimore, Md. Brick, 2 stories, 50x120 feet, slag roof, steam heating, electric lighting. Contract awarded to Burns & Russell, American Building, Baltimore, Md.

Church, Wilton Heights, Baltimore, Md., \$20,000. Architects, Owens & Sisco, Continental Building, Baltimore. Owners, Wilton Heights M. E. Church. Stone, 1 story, 40x75 feet, slate roof, steam heating, electric lighting. Contract awarded to G. Walter Tovell, Eutaw and McCulloh streets, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

H. A. Baxter (O), care Midvale Steel Co. Keller Bros. (C), 480 Harmon road. Cost, \$6,800. Dwelling, stone and brick, shingle roof, 3 stories, 36x40 feet, Penn and Thirty-second streets.

Clarence R. Siegel (O), 6146 Washington avenue. Cost, \$438,400. Ninety-four dwellings, brick, 2 and 3 stories, Sixty-first and Carpenter streets.

S. H. Bailey (O), 1815 North Sixteenth street. Cost, \$125,400. Sixty-six Dwellings,

brick, 2 stories, 15x31 feet, Sixtieth and Locust streets.

Stephen Knappick (O), 3338 Felton street. Cost, \$3,200. Two dwellings, stone and brick, 2 stories, 16x45 feet, Salmon and Westmoreland streets.

A. McCroudden (O), Fifty-eighth and Haverford avenue. Jos. Scholl (C), 2712 Girard avenue. Cost, \$425. Dwelling, 2417 Columbia avenue.

Jos. N. Mitchell (O), Forty-sixth and Mar-

Denckla Estate (O), Eleventh and Market streets. Frank Rieder & Sons (C), 1507 Germantown avenue. Cost, \$500. Store, 12 North Eleventh street.

Mary Snappick (O), 3338 Fulton street. Stephen Knappick (C), 3338 Fulton street. Cost, \$300. Work shop, 3315 Salmon street.

Chas. T. Adams (O), Fifty-seventh and Girard avenue. H. E. De Hoff (C), Fifty-seventh and Girard avenue. Cost, \$2,000. Store and dwelling, Fifty-seventh and Girard avenue.

F. E. Rub (O), 508 Oak lane. H. C. Zingraf (C), 2527 North Seventh street. Cost, \$600. Garage, 1843 East Venango street.

C. Boyd (O), North American Building. M. J. Welsh (C), 7000 Woodland avenue. Cost, \$1,825. Dwelling, 5548 Chester avenue.

S. P. Kunning (O), 153 North Third street. Geo. H. Ketterer (C), 219 Race street. Cost, \$525. Dwelling, 1859 North Camac street.

B. R. Luos (O), 5318 Boynton street. Wm. J. Gruhler (C), 219 High street. Cost, \$1,000. Dwelling, 5321 Baynton street.

H. Perlstein (O), 515 South Sixth street. Samuel Rosenburg (C), 716 Morris street. Cost, \$300. Garage, 506 South Randolph street.

W. McGehu (O), 1616 Ellsworth street. Cunningham Co. (C), 2016 Alter street. Cost, \$400. Dwelling, 1217 South Eighteen street.

Wm. Ernst (O), 2644 North Twenty-sixth street. Chas. L. Ginn (C), 2546 North Twentieth street. Cost, \$650. Wagon shed, 2610 Oakdale street.

Estate of Daniel H. Buck (O), southeast corner Thirteenth and Filbert streets. Basch & Co. (C), 1436 South Front street. Cost, \$850. Store and offices, Thirteenth and Filbert streets.

Mrs. E. Berryman (O), 3165 Frankford avenue. S. B. Forder (C), 3826 Germantown avenue. Cost, \$1,500. Garage, C and Tusculum streets.

Edwin Johnson (O), 232 Allen lane. Alfred James (C), Bala, Pa. Cost, \$700. Garage, 232 Allen lane.

Levina Verna (O), Sixteenth and Manton streets. F. B. Dillon (C), 1223 South Twentieth street. Cost, \$1,200. Store and dwelling, Sixteenth and Manton streets.

P. & R. RR. Co. (O), Twelfth and Market streets. H. C. Rea Co. (C), 1027 Wood street. Cost, \$2,300. Stable, Twentieth and Lippincott streets.

St. Peter's R. C. Church (O), Twelfth and Lombard streets. C. F. Bachler (C), 146 North Tenth street. Cost, \$1,500. Church, Twelfth and Lombard streets.

Dr. Woodbury (O), Sixteenth and Chancellor streets. W. O. Springer (C), 1624 Latimer street. Cost, \$390. Dwelling, Sixteenth and Chancellor streets.

A. Leiboutz (O), 1717 North Fifty-second street. B. Shestack (C), 528 Reed street. Cost, \$1,200. Store, 1110 North Forty-first street.

David Hart (O), Fillmore and Horroek streets. Moore & Graham (C), 6224 Wissahickon avenue. Cost, \$500. Garage, Fillmore and Horrocks streets.

Knickerbocker Realty Co. (O), Thirteenth and Chestnut streets. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$500. Theatre, 4032 Market street.

Thomas R. Dallas (O), 422 Diamond street. Cost, \$800. Dwelling, 2026 North Fourth street.

Christian Wagner (O), 1235 West Tioga street. Cost, \$1,700. Wagon shop, 3345 York road.

Thos. McIlheny (O), 3515 North Broad street. J. Y. Loux (C), 1121 Rising Sun lane. Cost, \$1,300. Office, Broad and Wyoming streets.

D. H. Schuyler (O), Broad and Diamond streets. Geo. W. Stewart (C), 2123 Germantown avenue. Cost, \$400. Dwelling, Broad and Diamond streets.

Poor Richard Club (O), 239 South Camac street. Kessler Construction Co. (C), Drexel Building. Cost, \$2,000. Club house, 239-41 Camac street.

Fred Wahl (O), 603 Cayuga street. H. Brocklehurst (C), 512 West Norris street. Cost, \$2,500. Garage, Sixth and Cayuga streets.

HEAT TRANSMITTED THROUGH WINDOWS.

A recent article in "Concrete-Cement Age," in referring to metal window sash, says:

"Metal sash, when properly fitted into the concrete, are practically dust and airtight and in this respect possess an important advantage over the old style wooden windows. One manager found that by using these he saved enough on his fuel bill the first winter to warrant the additional investment involved.

"Large window area was formerly held objectionable on account of the supposedly greater difficulty of heating. With wood frames this objection is doubtless potent. This is because wood cannot be made airtight. It is the heat loss around the frame rather than through the pane that is serious. Metal windows, if properly fitted, are practically leak-proof. Tests have shown that no more heat is transmitted through this type of window than through a 12-inch brick wall. Double glazing of the sashes decreases this loss still further, and the maximum result is obtained by duplicating the sashes as well. This is expensive, yet probably preferable to sacrificing any appreciable portion of the wall space available for windows in order to effect a slight saving in heating cost."

Commenting on the foregoing, Prof. William Kent has the following to say, in "Industrial Engineering":

"All of which is important, if true, but we doubt the reliability of the tests that are said to have shown that no more heat is transmitted through a single-glazed metal window than through a 12-inch brick wall. The figures commonly used by heating engineers and architects, based on Pelet's experiments, are, when reduced to B.T.U. per square foot per hour per degree difference of temperature, 12-inch brick wall, 0.33; single window, 1.20; indicating that the window transmits between three and four times as much heat as a brick wall 12 inches thick and of the same area as the window, and it is inconceivable that so careful an experimenter as Pelet would not take pains to prevent leakage of window frames when making experiments on glass surfaces."

If you've got a specialty that will commend itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pipkin that there is either something better on the market or your specialty isn't worth a kopeck noway.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 17, 1915.—Sealed proposals will be opened in this office at 3 p. m., September 29, 1915, for the construction complete (including mechanical equipment, interior lighting fixtures, and approaches) of the United States post office at Smyrna, Del. One story and basement building; ground area, 2,200 square feet; first floor and ceiling fireproof; stone and brick facing with wood cornice, etc.; tin roof. Drawings and specifications may be obtained from the custodian of site at Smyrna, Del., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 17, 1915.—Sealed proposals will be opened in this office at 3 p. m., September 28, 1915, for the extension and remodeling (including mechanical equipment and approaches) of the United States post office and courthouse at Harrisburg, Pa. Drawing and specifications may be obtained from the custodian at Harrisburg, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York,
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Star Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo."
Howard Ketcham, 3rd & Girard ave., Phila.
"Utility," Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131 S. 24th st., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.
Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

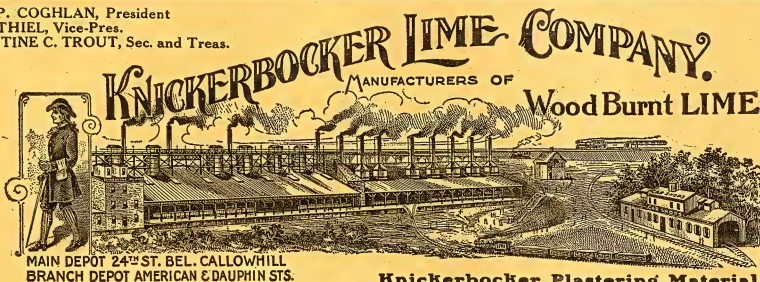
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 35.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 1, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



HIGHEST STANDARD
SAMUEL H. FRENCH & CO.
Established 1844
York Avenue, Fourth and Callowhill Streets
PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street :: Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Courts, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

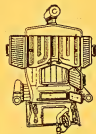
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULETIN BUILDING, PHILA. PA.

— MILLS —

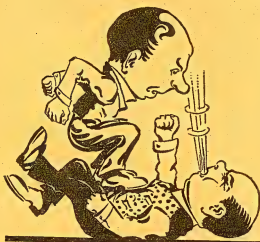


"Reputation"

Some of the most famous buildings in the country are equipped with Mills Water Tube Boilers.

They are always found where
"GOOD QUALITIES" count.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work
1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGEE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



The reputation of "F-S" Products has a solid found- ation.

Our claim to quality for "Alba Flint Enamel" rests on fifty years of giving satisfaction. You can safely specify it for inside and outside work. It is easy-flowing and dries with a permanent gloss. One coat is equal to two of many other enamels, and it is durable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(117)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

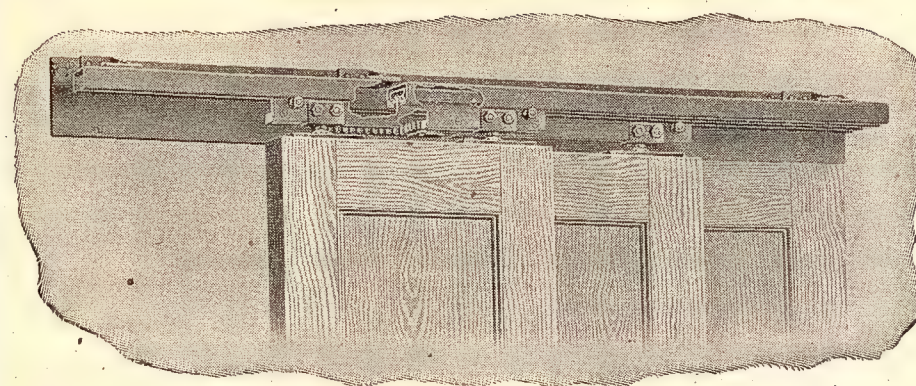
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers

Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA

Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 35.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 1, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Ice Cream Factory (add.), 806 to 810 Cumberland street, Philadelphia. Architects, Koelle, Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., 900 Cumberland street, Philadelphia. Brick, 4 stories, 49x90 feet, slag roof, rolling steel doors, metal sash, elevator (electric work reserved). Owners have received bids.

Residence (alt. and add.), 261 South Seventeenth street, Philadelphia. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owner, Dr. Fielding O. Lewis, on premises. Brick, 3 stories, tin roof, oak floors, electric lighting, plumbing, tile work. Architects have received bids.

Residences (22), Somerset and Rush sts. and Trenton ave., Philadelphia. Architect, private plans. Owner, John Connell, care Edward E. Cullen, Jr., Crozer Building, Philadelphia. Brick, 2 stories, slag roofs, gas lighting, hot air heating. Plans completed. Owner ready for sub-bids.

Store (alt.), Eighth and Montrose streets, Philadelphia. Architect, D. J. Pappano, 1211 Wharton street, Philadelphia. Owners, Deluca Bros., 921 South Eighth street, Philadelphia. Consists of 3 new bulk windows and electric lighting. Owners are taking bids.

Home (add.), 315-317 South Third street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Jewish Sheltering Home, on premises. Brick and concrete, 2 stories, 19x65 feet, slag roof, hot water heating, metal lath, reinforcing bars, (electric work reserved). Architect has received bids.

Garage and Machine Shop, 2311 and 13 N. Phillip street, Philadelphia. Architect, Chas. W. Gilmore, Godfrey avenue and G street, Philadelphia. Owners, Hope Machine Co., 2310 North Second street, Philadelphia. Brick, 2 stories, 34x42 feet, slag or asphalt roof, (electric work and elevator reserved). Owners have received bids.

Chapel, Bustleton pike, Sandiford, Philadelphia. Architect, private plans. Owners, Sandiford Sabbath School Association, Bustleton pike, Sandiford, Philadelphia. Stone, 1 story, 32x50 feet, slate roof, hot water heat-

ing, electric lighting. Owners taking bids, due August 28th. W. W. Anstine & Co., 1218 Filbert street, are figuring.

Residences (2), Lincoln drive, \$15,000. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets, Philadelphia. Stone, 2½ stories, 35x27 feet each, slate roofs, hot water heating, oak floors, tile work, electric lighting. Owner is sub-letting all contracts.

Convenience Station, Vernon Park, Germantown. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Stone and frame, 1 story, 17x36 feet, ready roofing, waterproofing, reinforcing bars, safety treads, proposal bond, (hot water heating, plumbing and electric work separate bids). Owners have received revised bids.

Church, Fifty-eighth and Cobbs Creek Parkway, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Fourth Church of Christ Scientist. Frame, 1 story, composition roof, hot air heating, electric light. Architects have received bids.

Residence, Philham road. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 25x50 feet, slate roof, vapor heating, electric lighting, oak floors, tile work. Plans in progress. Architect will probably take bids in two or three weeks.

Store and Apartments, 5622 Germantown avenue, Philadelphia. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owners, Donnelly & Sues, West Lehigh avenue and Germantown avenue. Brick and terra cotta, 24x15 feet, slag roof, steam heating, electric lighting, oak floors, tile work, metal ceilings. Architects taking bids, due September 2d. The following are figuring: A. R. Raff, 1635 Thompson street; D. M. O'Dea, 5219 North Fifth street; H. P. Werner, 3243 Germantown avenue; H. P. Schneider, 3715 Old York road; Wm. R. Dougherty, 1610 Sansom street; H. H. Wehmeyer, 1004 W. Lehigh avenue; Edward Fay & Son, 2 South Mole street; James Connor, 1317 Arch street, all of Philadelphia.

Club House (alts.), 1616 Master st., Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut st., Philadelphia. Owners, Young Men's Hebrew Association, on premises. Brick, 3 stories, slag and asbestos shingle roof, marble and tile work, hardwood floors, expanded metal lath, (plumbing, heating and electric work separate bids). Architects taking bids, due September 2d. The following are figuring: George Hogg, 1634 Sansom st.; Barclay White Co., Perry Building; Thomas Little & Sons, 1713 Moravian street; A. Raymond Raff, 1635 Thompson street; Lam Building Co., 1001 Wood street; Smith-Hardican Co., 1606 Cherry street; Charles Gilpin, Harrison Building, Philadelphia.

Store and Apartments, Broad and Rockland streets, Philadelphia. Architects, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Louis and Benjamin Fox, 4910 North Broad street, Philadelphia. Brick, 3 stories, 32x69 feet, tile and slag roof, hot water heating, electric lighting, tile work, parquetry floors, metal lath. Owner will take sub-bids on all kinds.

Residences (2), West View avenue and McCollum street, \$11,000. Architect, private plans. Owner, John H. McClatchy, Land Title Building, Philadelphia. Stone, 2½ stories, 23x34 feet, slate roofs, hot water heating, oak floors, tile work, electric lighting. Owner is sub-letting all contracts.

Residence (alt. and add.), Chestnut avenue, Chestnut Hill, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, M. P. Hanson, 515 East Sedgwick street, Philadelphia. Stone, 2½ stories, slag roof, metal lath, tile work, composition flooring, oak floors, (plumbing, heating and electric work reserved). Architect has received revised bids.

Automobile Factory, Twentieth and Montgomery avenue, Philadelphia. Architect, J. C. H. Shirk, 421 Chestnut street, Philadelphia. Owners, Touraine Motor Co., Broad and Huntingdon streets, Philadelphia. Brick, concrete and steel, 6 stories, 92x250 feet, slag roof, safety treads, metal sash, reinforcing rods, steel stack, tile and marble work, fire doors, (3) electric elevators, (heating and

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble

Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

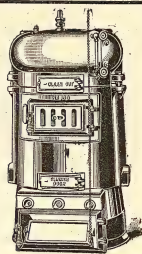
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The NEW Round

ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118 120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

electric work separate bids). Architect taking bids, due September 8th. The following are figuring: Roydhouse-Arey Co., Fidelity Building; Wh. Steele & Sons Co., 1600 Arch street; J. E. & A. L. Pennock, Land Title Building; Cramp & Co., Denckla Building; P. J. Hurley, 1233 Cherry street; H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Offices (alts.), 430 Washington ave., Philadelphia. Architects, Janssen & Abbot, Pittsburgh, Pa. Owners, Southwark Foundry and Machine Co., on premises. Brick, 2 stories, reinforcing bars, metal lath, metal ceilings, structural slate. Owners have received bids.

Residences (6), St. Martin's, Philadelphia. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Brick, $2\frac{1}{2}$ stories, shingle roof, hot water or hot air heating, oak floors, tile work. Plans completed. Architect will take bids in about two weeks.

Tunnel, Frankford Arsenal, Pa. Engineer, private plans. Owners, U. S. Government, Frankford Arsenal, Philadelphia. Concrete and expanded metal, 63x7 feet, waterproofing. Owners taking bids, due September 3d at 2 P. M. P. J. Hurley, 1233 Cherry street; Wm. B. Dougherty, 1610 Sansom street; Edward Fay & Son, 2 South Mole street, Philadelphia, are figuring.

Fire House (alts.), Sixty-fifth and Woodland avenue, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Geo. D. Porter, Secretary, City Hall, Philadelphia. Consists of remodeling steam heating system. Owners taking bids, due September 2d at noon.

Residence, Johnson street, near Wissahickon avenue, Philadelphia. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Louis H. Caban, 1332 Arch street, Philadelphia. Brick, $2\frac{1}{2}$ stories, 30x52 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Plans in progress. Owner will probably take sub-bids.

Store Building, 6837-39 Germantown avenue, Philadelphia. Architect, private plans. Owner, E. K. Paul, 6837 Germantown avenue, Philadelphia. Brick, 1 story, 40x100 feet, slag roof, steam heating, electric lighting. Owner taking bids. The following are figuring: Samuel Harting, 20 East Johnson street; Stokes Bros., 6723 Musgrave street; R. W.

Neff, 6610 Germantown avenue; McClintock & Weaver, 24 Phil-Ellena street; Kohl & Meager, 124 East Gorgas lane.

Armory, Thirty-second and Lancaster avenue, Philadelphia, \$75,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Major B. W. Demming, secretary, Harrisburg, Pa. Red tapestry brick, granite and limestone trimmings, 2 stories, 129x305x216 feet, slag roof, steel stack, damp-proofing, iron stairs, safety trends, metal lath, terrazzo floors (heating, plumbing and electric work separate bids). Owners taking bids, due September 6th at 9 A. M. In addition to those previously reported, Charles D. Burns, Bridgeport, Pa., and J. Walter Maxwell, 1438 South Penn Square, Philadelphia, are figuring.

School (add.), Thirtieth and Gordon streets, Philadelphia. Architect, J. Horace Cooke, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, 3 stories, 74x65 feet, slag roof, concrete fireproofing (heating, plumbing and electric work separate bids). Owners taking bids, due September 10th at 1:30 P. M. The following are figuring: H. E. Baton, Twelfth and Sansom streets; McCloskey & Bahls, Hale Building; Mitchell Bros., 2125 Race street, Philadelphia.

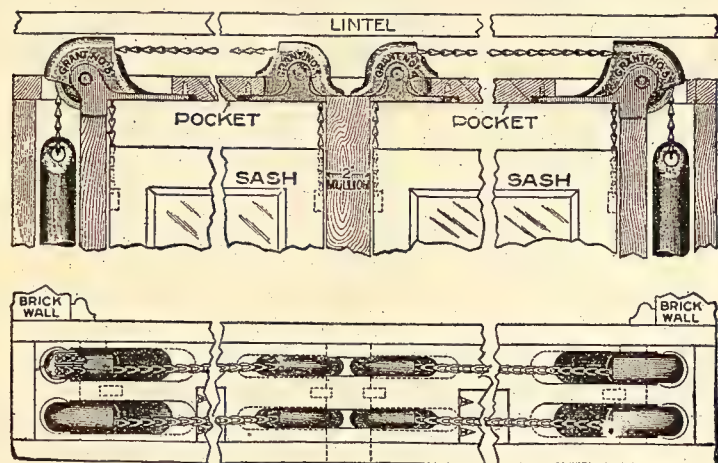
Residence, Oak Lane, Philadelphia. Architect, H. E. Rieger, 1355 North Marine street, Philadelphia. Owner, William F. Wagner, 5946 North Eleventh street, Philadelphia. Frame and stucco, $2\frac{1}{2}$ stories, 36x26 feet, with wing, slate roof, hot water heating, electric lighting, metal lath, oak floors, tile work. Architect taking bids, due September 3rd. The following are figuring: W. J. Grubler & Co., 219 East High street; Charles H. Schaefer, 4824 Marvine street; J. C. Burkholder, 5918 North Ninth street; Samuel H. Read, 4705 Old York road, Philadelphia.

Residence and Garage, St. Martins, Philadelphia, \$30,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, William N. Morice, southeast corner Water and Tasker streets, Philadelphia. Stone, $2\frac{1}{2}$ stories, 35x160 feet, shingle roof, electric lighting, warm air heating, oak floors, tile and marble work, metal lath, waterproofing, metal weather strips, canvas floors, gasoline pump and storage system. Architects taking bids, due September 8th. The following are figur-

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

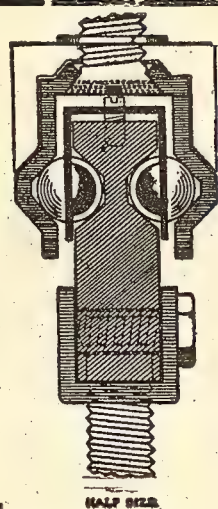
BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

ing: I. A. Dunkelberger, 71 East Herman street; John E. Walt, 204 East Willow Grove avenue; J. Sims Wilson Co., 1125 Brown street; Pringle Borthwick, 8018 Germantown avenue; George S. Roth & Sons, 230 East Gravers lane; Frank G. English, 1610 North Carlisle street; Kohl & Megarge, 124 East Gorgas lane, all of Philadelphia.

Residences (11), Fifty-fifth and Pine streets, Philadelphia. Architect, private plans. Owner, Calvin W. Rogers, Forty-ninth and Locust streets, Philadelphia. Brick, 2 stories, 16x34 feet each, slag roofs, hot water heating, electric lighting, oak floors, tile work. Owner is taking sub-bids on all lines.

Residences (10), Fifty-fourth and Lansdowne avenue, Philadelphia. Architect, private plans. Owner, Calvin W. Rogers, Forty-

ninth and Locust streets, Philadelphia. Brick, 2 stories, 16x45 feet each, slag roofs, hot water heating, electric lighting, oak floors, tile work. Owner is taking sub-bids on all lines.

Residence (alt. and add.), 1925 Walnut st., Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Stone, consists of alterations and 1 story wing addition for a ball room, hardwood floors, electric lighting, decorating. Plans about completed. Architect will soon take bids.

Warehouse (add.), 2715 North Broad street, Philadelphia. Architects, Moores & Dunford, Chicago, Ill. Owners, North Broad Street Safe Deposit and Storage Co., on premises. Reinforced concrete, 2 stories, 50x120 feet, slag roof, electric lighting. Plans in progress. Indefinite as to when bids will be taken.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alts.), 1238 Reed street, Philadelphia. Architect, D. J. Pappano, 1211 Wharton street, Philadelphia. Owner, Joseph Caruso, on premises. Brick, 3 stories, consists of general interior alterations. Contract awarded to M. Dipanfic, 750 South Eleventh street.

Warehouse (alts.), 113 Sansom street, Philadelphia, \$5,000. Architect, private plans. Owners, The Penna. Trust Co., 517 Chestnut st., Philadelphia. Brick, 4 stories, consists of new elevator shaft, slag roof, cement and concrete work, fire doors. Contract awarded to John Duncan, 920 Walnut street, Philadelphia.

Warehouse and Garage, American street and Allegheny avenue, \$6,100. Architect, private plans. Owners, Gulf Refining Co., Morris Building, Philadelphia. Brick, 2 stories, slag roof, cement floors. Contract awarded to Scott W. Hahn, Glenside, Pa.

Loft Buildin, 315 to 319 Arch street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Charles E. Schmidt, 327 Arch street, Philadelphia.

Reinforced concrete, terra cotta and brick, 7 stories, 65x124 feet, and 39x54 feet, slag roof, steel sash, dampproofing and waterproofing, (heating, plumbing, electric work and elevators separate bids). Contract awarded to Cramp & Co., Denekla Building, Philadelphia.

Store Building (alts.), northwest corner Ninth and Market streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, H. Kerstine, 3813 N. Seventeenth street, Philadelphia. Brick, 4 stories, consists of new store fronts and interior alterations, metal lath, tile and marble work, oak floors, electric lighting. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Residence and Garage, B street, below Loney street, Philadelphia. Architect, Albert N. Dobbins, 1212 Wagner avenue, Philadelphia. Owner, J. S. Milne, 441 West Lehigh avenue, Philadelphia. Stone, 2 stories, 24x41 feet, wing 18x15 feet, Garage, 1 story, 18x16 feet, shingle roof, tile work, (heating and electric work reserved). Contract awarded to

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG,
PHILADELPHIA. PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

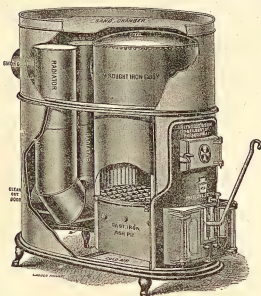
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

No matter how small or how large your kitchens, we have All-Gas Kitchen equipments to exactly meet your requirements.

Let us co-operate with you. We have ideas that will save you money.

Call up the "Builders and Operators Division."

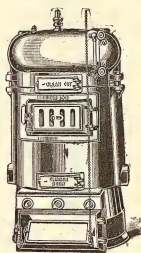
—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

Joseph Ashby, 7920 Oxford avenue, Philadelphia.

Store Building, 114 North Juniper street, Philadelphia. Architect, Charles E. Oel-



"NOVELTY REMINDERS"

A "NOVELTY" HOT WATER, STEAM or WARM AIR HEATER

in the cellar means satisfaction and comfort throughout the house.

The original design, perfect construction, ease and economy in operation of "NOVELTY" Ranges, Boilers and Furnaces have made them the best known and most popular appliances in the East.

Satisfy the Public Demand and equip your houses with "NOVELTY" appliances.

Made in Philadelphia by
ABRAM COX STOVE CO.
EXHIBIT AT BUILDERS' EXCHANGE
Philadelphia
American and Dauphin Sts.

schlager, Harrison Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 20x100 feet, slag roof, steam heating, electric lighting. Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Garage, 2622 South Eighteenth street, Philadelphia, \$2,200. Architect, private plans. Owner, J. T. Waugh, Twentieth and Porter streets, Philadelphia. Brick, 1 story, slag roof, cement floors. Contract awarded to A. De Marco, 1224 Christian street, Philadelphia.

Residence, 6371 Drexel road, Philadelphia, \$18,000. Architect, private plans. Owner, J. H. Irvin, Phila. Bank Building, Philadelphia. Stone, 2 1/2 stories, 40x50 feet, wing 28x24 feet, slate roof, steam heating, electric lighting, oak floors, tile work. Contract awarded to A. L. Fretz & Son, 1222 Chancellor street, Philadelphia.

Garage, Horter street, west of Wissahickon avenue. Architect, Frank Seeburger, Penna. Building, Philadelphia. Owner, Wm. H. Trump, 515 Westview street. Stone, 1 1/2 stories, single roof, hot water heating, electric lighting, cement floors. Contract awarded to Stokes Bros., 6723 Musgrave street, Philadelphia.

Garage, Chelton avenue and Camac street, Philadelphia, \$1,500. Architect, private plans. Owner, J. Wesley Fretz, Thirteenth and Me-

dary avenue, Philadelphia. Stone and frame, 1 1/2 stories, hot water heating, electric lighting, cement floors. Contract awarded to H. B. Barton, Chelton avenue and Camac street.

Store Building, 1227-29 Vine street, Philadelphia, \$6,000. Architect, Charles E. Oel-schlager, Harrison Building, Philadelphia. Owners, Triangle Film Corporation, New York City. Brick, 1 story, 35x90 feet, slag roof, steam heating, electric lighting. Contract awarded to P. J. Hurley, 1233 Cherry street.

Residence (alt. and add.), 2823 North Broad street, Philadelphia. Architect, Paul L. Boyd, 211 East Willow Grove avenue, Philadelphia. Owner, Dr. George A. Magee, on premises. Consists of rear addition, 2 stories, containing operating room and laboratory, tin and slag roof, oak floors (heating, plumbing and electric work reserved). Contract awarded to George A. Boyd, 211 East Willow Grove avenue, Chestnut Hill, Pa.

Church (alts.), Thirty-second street, above Montgomery avenue, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, East Park M. E. Church, Rev. W. H. Michaels, 3018 Berks street. Consists of new pulpit and choir platforms, metal lath, electric lighting. Contract awarded to B. F. Virdin, 2917 Fletcher street, Philadelphia.

PENNSYLVANIA

Construction News

Warehouse, Harrisburg, Pa. Architects, Kelker & Johnson, Union Trust Building, Harrisburg, Pa. Owners, Montgomery & Co., Harrisburg, Pa. Reinforced concrete and brick, 3 1/2 stories, 111x74 feet, concrete roof, steam heating, electric lighting, steel sash, elevator, waterproofing. Architects taking bids, due September 10th. The following are figuring: Charles Lady, Harrisburg, Pa.; W. S. Miller, Harrisburg, Pa.; Titzel Construction Co., Lancaster, Pa.; W. S. Bushey, Lemoyn, Pa.

Church (alt. and add.), Progress, Pa., \$25,000. Architect, George H. Grove, 213 Walnut street, Harrisburg, Pa. Owners, Church of God, Harry Lenker, chairman building committee, Progress, Pa. Frame, 1 story, 20x35 feet, shingle roof, steam heating, electric light-

ing. Plans completed. Owners will sub-let all contracts.

Twin Residences, Hummelstown, Pa., \$5,000. Architect, George H. Grove, 213 Walnut st., Harrisburg, Pa. Owner, James Youtz, Hummelstown, Pa. Brick, 2 1/2 stories, 35x60 feet, slate roof, steam heating, electric lighting. Owner is ready for bids.

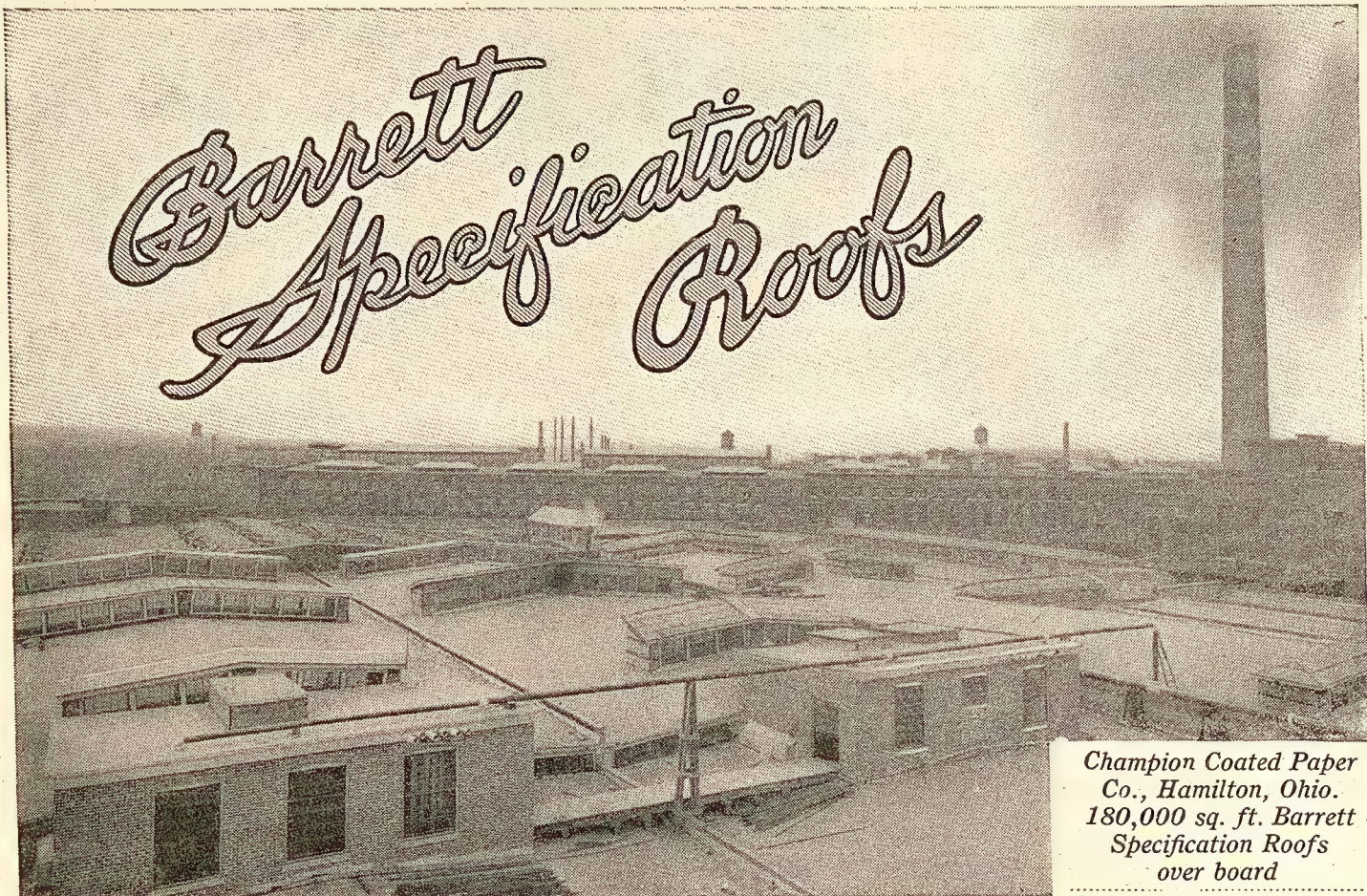
School Building, Townsend, Del., \$7,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, M. C. Money, Secretary, Townsend, Del. Brick and shingle, 2 stories, 48x70 feet, shingle roof, steam heating, slate blackboards. Plans in progress.

Residences (10), Wilmington, Del., \$18,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, name withheld. Brick,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



Champion Coated Paper
Co., Hamilton, Ohio.
180,000 sq. ft. Barrett
Specification Roofs
over board

Use the *Barrett Specification* Straight!

There are architects, engineers and owners who still allow their contractors to lay slag or gravel roofs their own way, subject only to general description. Such easy-going specifications are not fair to honest bidders. They invite the use of poor materials and workmanship.

Even if the use of labelled and reputable materials is required and a five-ply roof is specified, a mere difference in the procedure of application may lead to unsatisfactory results.

The Barrett Specification provides the easiest way to insure satisfaction.

In the words of the Underwriters' Laboratories, which recently completed an exhaustive and most gratifying investigation of Barrett Specification Roofs:

"These roof coverings are less likely to be defective as a result of improper workmanship than other roofings of the type."

The Barrett Specification provides, in addition, a method of inspection after the roof is laid by exposing a sample cross-section so that the completeness of the work is easily ascertained.

Insist that The Barrett Specification be included *in full* in the roofing specifications and you'll be ordering a roof that will cost less than any other kind because it will give protection and satisfactory service for twenty years or more.

Special Note We advise incorporating in plans the full wording of The Barrett Specification, in order to avoid any misunderstanding. If any abbreviated form is desired, however, the following is suggested:

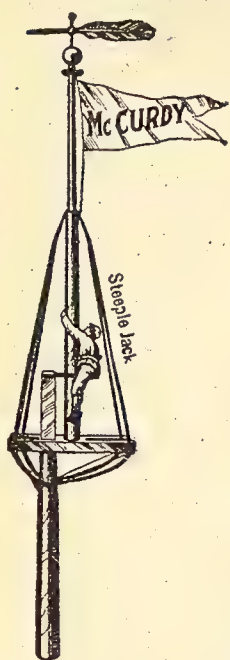
ROOFING Shall be a Barrett Specification Roof laid as directed in printed Specification, revised August 15, 1911, using the materials specified and subject to the inspection requirement.

A copy of The Barrett Specification, with roofing diagrams, free on request.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle
THE PATERSON MFG. CO., Limited: Montreal Toronto Winnipeg Vancouver
St. John, N. B. Halifax, N. S. Sydney, N. S.





FLAG POLES and Fittings

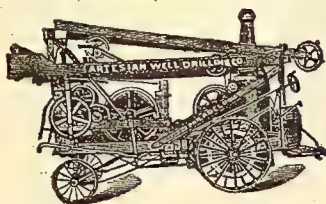
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

THE FAIRBANKS CO.
PHILADELPHIA

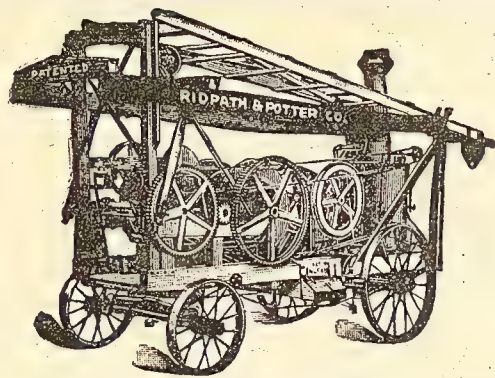
**VALVES
AND
SCALES**



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

limestone trimmings, 2½ stories, 16x45 feet each, slag and tin roofs, steam heating, gas and electric lighting. Plans in progress.

Sewers, Eddystone, Pa. Engineer, A. F. Damon, Jr., P. O. Building, Darby, Pa. Owners, Borough of Eddystone, James A. Campbell, Clerk of Councils, Eddystone, Pa. Consists of 8-inch terra cotta sewer on Tenth street. Owners taking bids, due September 13th at 8 P. M.

Bridge, Ridley Township, Pa. Engineer, private plans. Owners, Delaware County Commissioners, Orio L. Davis, Controller, Court House, Media, Pa. Reinforced concrete, to be built at Michigan avenue, Ridley Township, Pa. Owners taking bids due September 13th at 10 A. M.

Laundry Building, Norristown, Pa. Architect, M. E. S. Dyer, Land Title Building, Philadelphia. Owners, Norris Laundry Co., 223 W. Main street, Norristown, Pa. Brick, 1 story, 50x100 feet, slag roof, steel sash, fire doors, proposal bond, (heating, electric work and elevator reserved). Architect taking bids, due September 3d. The following are figuring: Geo. Kessler Contracting Co., Drexel Building; John N. Gill & Co., Heed Building; H. E. Baton, Twelfth and Sansom streets; Jacob Myers & Sons Co., Witherspoon Building; Loos & Dothard, Commercial Trust Building; A. L. Fretz & Sons, 1222 Chancellor st.; J. Richard Jackson, Perry Building; Ketcham & McQuade, 1029 Brown street; and Frank R. Heavner, Norristown, Pa.

Passenger Station, Tunnels and Platform, Johnstown, Pa., \$150,000. Architect, Kenneth M. Murchison, 101 Park avenue, New York City. Owners, Penna. RR. Co., Broad Street Station, Philadelphia. Brick, granite and limestone, terra cotta and steel, fireproof, 2 stories, 70x150 feet, slate, copper and slag roof, waterproofing, concrete fireproofing, reinforcing bars, kalamein doors, metal lath, safety treads, iron stairs, tile, marble and terrazzo work, steam heating, electric lighting, elevator. Owners have received bids.

Residence, Moylan, Pa. Architects, Thomas B. Lippincott and Edward B. Delk, 34 South Seventeenth street. Owner, J. Passmore Elkinton, 121 South Third street, Philadelphia. Hollow tile and stucco, 2½ stories, 54x27 feet, wing 10x16 feet, shingle or slate roof, hot air or hot water heating, electric lighting, oak floors. Architects will take revised bids.

Residence, Lansdowne, Pa. Architect, L. V. Boyd, Harrison Building Philadelphia. Owner, C. N. Godfrey, care architect. Hollow tile and plaster, 2½ stories, 37x27 feet, wing 16x22 feet, slate or shingle roof, electric lighting, tile work, (heating reserved.) Architect has received bids.

Residence and Garage, Wynewood, Pa.

Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owner, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Stone and frame, 2½ stories, 78x31 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Plans in progress. Architect will take sub-bids on all lines in about two weeks.

Hall Building, Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owners, P. O. S. of A., Washington Camp No. 542, Easton, Pa. Brick, 3 stories, 44x130 feet, will contain stores, theatre, lodge rooms, dance hall and offices, composition roof, steam heating, electric lighting, composition floors, fire escapes. Architect taking bids, due September 18th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, is figuring.

Garage, Rydal, Pa., \$1,500. Architect, private plans. Owner, J. Howard Sheble, 1535 Land Title Building, Philadelphia. Stone, frame and plaster, 1½ stories, shingle roof, hot water heating, electric lighting, cement floors. Owner will sub-let all contracts.

Hospital Buildings, Fairview, Pa. Architect, J. C. M. Shirk, 421 Chestnut street, Philadelphia. Owners, State Hospital for Criminal Insane, H. G. Ashmead, Secretary, room 284, City Hall, Philadelphia. Stone, brick and steel, fireproof, 1 and 2 stories, consists of Ward H Building, dining rooms, kitchen and generator room, (heating, plumbing and electric work separate bids). Owners taking bids, due September 3d at noon. P. J. Hurley, 1233 Cherry street, Philadelphia, and Lathrop, Shea & Honwood Co., Peoples Bank Building, Scranton, Pa., are figuring.

Residence, Loretto, Pa., \$150,000. Architects, Wm. Baumgarten & Co., 715 Fifth avenue, New York City. Owner, Charles M. Schwab, 111 Broadway, New York City. Limestone, steel and concrete, fireproof, 3 stories, 82x53 feet, wing 44x31 feet, slate and tile roof, waterproofing, electric lighting, steam heating, tile and marble work, oak floors, elevator, metal weatherstrips, kalamein doors, metal sash. Architects taking additional bids, due September 7th. In addition to those previously reported, Stacy Reeves & Sons, 2011 Market street, Philadelphia, are figuring.

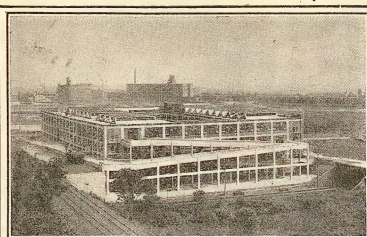
Factory (add.), Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Autocar Co., Ardmore, Pa. Tapestry brick, reinforced concrete and steel, fireproofing, 5 stories, 64x77 feet, slag and tile roof, dampproofing and water proofing, fire doors, steel sash, metal lath, terrazzo floors, (plumbing, heating, elevators, electric work and sprinklers reserved). Architects have received bids.

The **Broomell System**
of **Vapor Heating**

The original and only real VAPOR SYSTEM.
Installed in over ten thousand buildings of every kind
and size. It will pay you to investigate.

VAPOR HEATING CO., YORK : PA.

HARTMAN BLDG.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

School Building, Marcus Hook, Pa. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slag roof, slate blackboards. Lowest bidders: A. S. Reed & Bro. Co., 815 Shipley street, Wilmington, Del., \$33,973.

Ice Cream Factory, Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Wm. S. Markley, Pottstown, Pa. Brick and concrete floors, 2 stories, 60x100 feet, slag roof, electric lighting, elevator. Plans in progress. Architects will take bids in about ten days.

Hall Building (alt. and add.), Ardmore, Pa. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owners, Cassia Lodge No. 273, F. and A. M., Ardmore, Pa. Stone, 2 stories, (steam heating, plumbing and electric work reserved), 61x89 feet, slate roof. Architect taking revised bids, due September 2d. In addition to those previously reported, James Connor, 1317 Arch street, Philadelphia, is figuring.

Residence (alt. and add.), Media, Pa. Architect, R. R. McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Dr. Cheyney, care architect. Stone and frame, 2½ stories, consists of interior and exterior alterations. Plans about completed. Architect will take bids in about two weeks.

PENNSYLVANIA

Contracts Awarded

Picture Theatre (alt. and add.), Allentown, Pa. Architects, Jacoby & Weishample, Commonwealth Building, Allentown. Owner, Jas. K. Bowman, Allentown, Pa. Brick, 1 story, 35x32 feet, ruberoid roof, steam heating, electric lighting, composition flooring, metal lath. Contract awarded to M. H. Gangewere, Allentown, Pa.

Residence, Carlisle, Pa., \$25,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Guy H. Davies, Carlisle, Pa. Brick, 2½ stories, slate roof, hot water

heating, electric lighting, hardwood floors, tile work. Contract awarded to D. E. Brindle, Carlisle, Pa.

Residence, Harrisburg, Pa., \$15,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, J. A. Donaldson, Second and Locust streets, Harrisburg, Pa. Stone, 2½ stories, 40x60 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to J. A. McKelvey, Harrisburg, Pa.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your
Roof Leak?

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1895

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

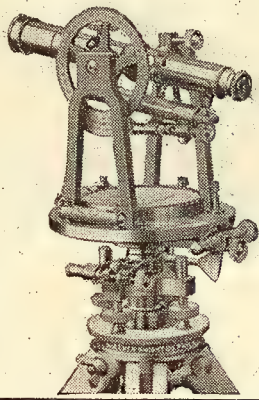
Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING and WIRE WORK

Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
95 and 96 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



We want every **BUILDER, ARCHITECT** and **CONTRACTOR** to call here at our **Factory and Salesroom** and examine our **1916 Model No. 25.**

"Sterling" Contractors' Transit

You will find it in the "last word" in instrument construction.

DESIGNED AND MADE BY

WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

PHILADELPHIA

We
repair
Transits
Levels
Tapes

Rebuilt
Instruments
For Sale
or Rent

NEW JERSEY Construction News

Bungalow, Pine Valley, N. J. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Joseph H. Baker, 3800 Girard avenue, Philadelphia. Frame, 1½ stories, 30x50 feet, asbestos shingle roof, hot air heating, electric lighting, tile work. Architect has received revised bids.

High School, Wildwood, N. J., \$75,000. Architect, Clyde S. Adams, 1309 Arch street, Philadelphia. Owners, Board of Education, M. C. Todd, Secretary, Wildwood, N. J. Brick and concrete floors, 2 stories, 118x138 feet, asbestos or slag roof, safety treads, metal lath, kalamein doors, slate blackboards, (heating, plumbing and electric work separate bids). Owners taking bids, due September 14th. The following are figuring: Alex. Chambley, 243 South Tenth street; Eugene Tourison, 1001 Chestnut street; McCloskey & Bahls, Hale Building; James Connor, 1317 Arch street, Philadelphia.

Garage and Service Building, Delaware avenue and George street, Camden, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, New Jersey Auto and Supply Co., 30 South Delaware avenue, Camden. Reinforced concrete, brick and steel, 2 or 3 stories, 80x129 feet, slag roof, electric lighting, steam heating, elevators. Architect will soon take bids.

Residence, Moorestown, N. J., \$6,000. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, Thomas W. Elkin-ton, 121 South Third street, Philadelphia. Stone, 2½ stories, shingle roof, oak floors, electric lighting. Architect has received bids.

Factory, Lambertville, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Lambertville Rubber Co., Lambertville, N. J. Brick, 3 stories, 60x110 feet, slag roof, (electric work, heating, plumbing and elevators reserved). Architects taking bids, due September 7th. The following are figuring: Fred Parker, W. J. & J. H. Morris, Newton A. M. Bugbee & Co., and Lewis Lawton & Son, all of Trenton, N. J.; Philip Haibach Contracting Co., Twenty-sixth and Thompson streets; W. R. Brown, 2145 East Fifth street, and Ketcham & McQuade, 1029 Brown street, Philadelphia.

Club House, Spring Lake, N. J. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Spring Lake Golf Club, Spring Lake, N. J. Frame or hollow tile and plaster, 1½ stories, 75x180 feet, shingle roof, steam heating, electric lighting, tile work, metal lockers. Architects taking bids, due September 2d. The following are figuring: S. W. Mather & Son, Trenton, N. J.; H. H. Moore, Spring Lake, N. J.; John Miller, Spring Lake, N. J.; I. R. Taylor & Co., Asbury Park, N. J.; F. E. Wallace, 1220 Chancellor street, Philadelphia.

Rectory, Collingswood, N. J. Architect, George E. Savage, Witherspoon Building, Phil-

adelphia. Owners, First M. E. Church, Rev. Alfred Wagg, Collingswood, N. J. Stone and brick, 1½ stories, 37x51 feet, slate roof, vapor heating, electric lighting, tile work, metal lath. Revised plans in progress. Owners will take bids in ten days.

Sunday School, Palmyra, N. J., \$25,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Epworth M. E. Church, Rev. Van Sant, Palmyra, N. J. Stone, 2 stories, slate and slag roof, steam heating, electric lighting. Contract awarded to Joseph A. Smith, Palmyra, N. J.

Pier Greenville, N. J. Architect, William H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Wood piles, concrete and timber, 200x1,000 feet. Owners taking bids on sub-structure only, due September 8th. The following are figuring: James Stewart & Co., 30 Church street; Arthur McMullen Co., 149 Broadway; The Foundation Co., Woolworth Building; Snare & Triest Co., Woolworth Building; A. N. Hazell, Inc., 90 West street; Butler Bros. Const. Co., 1170 Broadway; James E. Gaffney, 52 Vanderbilt avenue; Phoenix Construction Co., 41 Park Row; D. E. Baxter, Inc., Fricker & Murphy, John Monks & Sons, 82 Beaver street; Spearin & Preston, 90 West street; O'Rourke Engineering and Construction Co., 17 Battery Place, all of New York City; P. Sanford Ross Co., 277 Washington street, Jersey City, N. J.; Stillman, Delehanty & Ferris Co., 26 Exchange Place, Jersey City, N. J.

Factory (fire repairs), Camden, N. J. Architect, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, Collings Carriage Co., Inc., 110 Federal street, Camden. Brick, 4 stories, slag roof. Owners will sub-let contracts for portion of this work. Balance of work postponed until next year.

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

Maryland Construction News

Foundry Building, uilford avenue, Baltimore. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owners, Crown Cork and Seal Co., on premises. Brick, concrete and steel, 1 story. Architect taking bids, due September 21st. The following are figuring: West Construction Co., Knickerbocker Building; R. B. Mason, 308 West Madison street; Monmonier & Sorrell, 1711 McCulloh street, all of Baltimore, Md.

Residences (4), Fairview avenue, Baltimore, \$16,000. Architect, John R. Forsythe, 252 St. Paul street, Baltimore. Owner, Francis E. Yewell, 2845 North Calvert street, Baltimore. Frame, 2 stories, 30x36 feet each, slate roofs, steam heating, electric lighting. Owner is sub-letting all contracts.

Residences (125), Rosedale, Longwood streets and Harlem avenue, Baltimore. Architect, George R. Morris, Gunther Building, Baltimore. Owners, Ellicott Heights Co., care of John T. O'Neill, 608 Equitable Building, Baltimore. Brick, 2 stories. Owners will take sub-bids on all lines.

Cement Plant (adds.), Hagerstown, Md., \$100,000. Engineer, F. H. Lewis, Birmingham, Alabama. Owners, Security Cement and Lime Co., Equitable Building, Baltimore. Consists of new kiln, storage tanks, traveling cranes, etc. Work about to be started.

Y. W. C. A. Building, Franklin street, Baltimore, Md. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Y. W. C. A., Miss I. H. Harman, secretary, Park avenue and Franklin street. Brick, stone and steel, fireproof, 7 stories, 68x140 feet, slag roof, steam heating, electric lighting, elevator, tile and marble work. Architect taking bids, due September 21st. The following are figuring: Edward Brady & Son, 113 Cathedral street; Edward Watters & Co., 509 North Charles street; Bennett Building Co., 123 South Howard street; Henry Smith & Sons Co., German and Light streets; Cogswell-Koether Co., 406 Park avenue; Cowan Building Co., 106 West Madison street; C. L. Stockhausen o., Marine Bank Building; W. E. Burnham, Law Building; John Hiltz & Sons, 3 Clay street; Morrow Bros., Fidelity Building, all of Baltimore; George A. Fuller Co. and Norcross Bros. Co., New York City; Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Marine Barrack, Norfolk, Va. Architect, private plans. Owners, U. C. Government, Bureau of Yards and Docks, Washington, D. C. Brick, steel and reinforced concrete, 3 stories, 40x174 feet, 2 wings, 40x100 feet each, and kitchen wing, 42x47 feet, asbestos shingle and slag roof, metal lath, steam heating, electric lighting, composition floors, waterproofing, safety treads, reinforcing bars, iron stairs. Owners taking bids, due September 25th at 11 A. M. Henry L. Brown, 1714 Sansom street, is figuring. Plans may be obtained upon a deposit of \$25.00.

Learn to advertise. If you feel unequal to the task of preparing the kind of copy you ought to have, let us prepare it for you. Advertising is our business. We are always glad to help men who are honest enough to concede that they do not know it all. And the service won't cost you a penny if you contemplate joining the army of "Guide" advertisers.

No one suffers from a mean disposition like the fellow who has one.

MARYLAND

Contracts Awarded

Foundry (adds.), Charles and Wells streets, Baltimore. Architect, private plans. Owner, P. Kennedy's Foundry, on premises. Brick and steel, 3 stories, 80x300 feet, consists of new pattern and car shops, slag roof. Contract awarded to Edward Brady & Son, 1113 Cathedral street, Baltimore.

Factory (add.), Woodberry, Baltimore, Md. Architects, Emory & Nussear, Professional Building, Baltimore. Owners, Poole Engineering Co., Woodberry, Baltimore, Md. Brick and steel, 1 story, 100x290 feet, slag roof, electric lighting. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore, Md.

School Building, York road, near Spring lane, Baltimore, Md., \$60,000. Architects, Smith & May, Law Building, Baltimore. Owners, Baltimore County School Commissioners. Brick, stone trimmings, 2 stories. Contract awarded to Walter E. Burnham, Law Building, Baltimore, Md.

Residence, Debmere Park, Md., \$8,000. Architect, Clyde N. Friz, American Building, Baltimore. Owner, Mrs. Bessie L. Kelly, Debmere Park, Md. Hollow tile and stucco, 2½ stories, slate roof, hot water heating, electric lighting hardwood floors, tile work. Contract

awarded to J. Henry Smith, 1426 Light street, Baltimore, Md.

Crane Runway, Mt. Claire Shops, Baltimore. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore. Owners, Baltimore and Ohio Railroad Co., Baltimore, Md. Concrete and steel. Contract awarded to J. J. Walsh & Son, 1553 Maryland avenue, Baltimore.

Cold Storage Warehouse, Hagerstown, Md. Architect, private plans. Owner, D. Ramacciotti, Hagerstown, Md. Brick and concrete, 2 stories, 40x80 feet, slag roof, electric lighting. Contract awarded to Clinton Troviger, Hagerstown, Md.

Warehouse, East North avenue. Architects, W. O. Sparklin & George S. Childs, Law Building, Baltimore, Md. Owner, Linwood L. Clark, 215 St. Paul street, Baltimore. Brick, 1 story, 100x105 feet, slag roof, electric lighting. Contract awarded to R. B. Mason, 308 West Madison street.

Reservoir, Crownsville, Md. Engineer, private plans. Owners, Maryland State Hospital for Criminal Insane. Concrete, 100,000 gallons capacity. Contract awarded to Henri Kempmann, 4 East German street, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Chris. Geirke (O), 7101 Torresdale avenue. Cost, \$7,800. Six dwellings, brick and stone, 2 stories, 15x38 feet, Friendship and Tulip streets.

John J. Felin & Co. (O), 4142 Germantown avenue. Fidelity Construction Co. (C), Heed Building. Cost, \$115,000. Warehouse and smoke house, reinforced concrete, 6 and 5 stories, 62x100 feet and 28x54 feet, 4142-56 Germantown avenue.

J. K. Isman (O), 928 South street. H. Yacknitz (C), 1207 North Seventh street. Cost, \$4,400. Two stores and dwellings, brick, 3 stories, 15x35 feet, 427-29 Bainbridge street.

Louis J. Shmidheiser (O), 1120 Columbia avenue. E. H. Sturts (O), 2614 Ridge avenue. Cost, \$4,000. Two dwellings, brick, 2 stories, 20x51 feet, Belfield and Courtland streets.

Walter Smith (O), 4522 Germantown avenue. M. M. Bean (O), 4411 Germantown avenue. Cost, \$3,800. Dwelling, brick, 2 stories, 16x53 feet, 1404 Wyoming avenue.

John H. McClatchy (O), Land Title Building. Cost, \$10,900. Two dwellings, stone, 3 stories, 23x34 feet, West View avenue and McCallum street.

James W. Mitchell (O), Forty-sixth and Market streets. Cost, \$15,000. Two dwellings, stone, 3 stories, 35x37 feet, Springer and Lincoln drive.

Abe Kaplan (O), 2510 South Ninth street. Cost, \$85,500. Forty dwellings, stone and brick, 2 stories, 14x62 feet, Percy street, between Porter and Shunk streets.

M. Sidney Wright (O), Fifth and Walnut streets. Stokes Bros. (C), 6723 Musgrave street. Cost, \$17,200. Two dwellings, stone, 3 stories, 22x78 feet, Carpenter and Chesham road.

Frank O'Brien (O), 1929 North Twenty-

first street. H. W. Brightly (C), 1216 North Thirty-third street, Camden. Cost, \$34,000. Ten dwellings, stone and brick, 3 stories, 16x 68 feet, Forty-fourth and Spruce streets.

David McKibban (O), 2900 Frankford avenue. Cost, \$8,400. Seven dwellings, brick, 2 stories, 14x37 feet, 2011-23 Conwall street.

Wm. Clausen (O), 6506 Park avenue. Cost, \$5,000. Dwelling, brick, 3 stories, 26x36 feet, 6508 Park avenue.

A. Stephens (O), 608 Gray's Ferry road. A. Ruhland (C), 344 North Third street. Cost, \$9,500. Hall, brick, 3 stories, 20x66 feet, 2312 South street.

E. R. Winner (O), Westview avenue and Sherman street. Geo. F. Payne (C), 401 South Juniper street. Cost, \$16,000. Dwelling, stone, 2 stories, 62x50 feet, Westview avenue and Sherman street.

H. O'Neill (O), 8420 Germantown avenue. Cost, \$5,800. Two dwellings, brick, 2 stories, 16x55 feet, 216-18 Evergreen street.

Brown & Mittleman (O), 2422 South Seventh street. Cost, \$6,300. Three dwellings, brick, 2 stories, 16x36 feet, Madison and Cedar streets.

F. Warnock (O), 2811 Overington avenue. Cost, \$3,200. Dwelling, 2 stories, 16x45 feet, 4467 Salmon street.

American Ice Co. (O), Sixth and Arch streets. Monaghan & Losse (C), 214 South Twelfth street. Cost, \$100,000. Three buildings, brick, 1, 2 and 3 stories, 55x70 feet, and 120x121 feet, Philip and Cambria streets.

Yonker & Son (O), Fifty-sixth and Delancey streets. Ketcham & McQuade (C), 1029 Brown street. Cost, \$74,000. Picture theatre and rooming house, brick, 1 and 2 stories, 45x140 feet, and 140x26 feet, Fifty-sixth and Delancey streets.

Wm. A. Leehle (O), 4806 Castor avenue. Cost, \$500. Garage, 4804-06 Castor avenue.

Andrew Cantley (O), 3045 Clearfield street. Cost, \$2,500. Garage, 3045 Frankford avenue.

Hyman Balkan (O), 514 Dickinson street. Morris Barkan (C), 525 Pierce street. Cost, \$800. Store and dwelling, Twelfth and Shunk streets.

Philadelphia Felt Co. (O), Frankford, Pa. J. A. Hand (C), 8029 Frankford avenue. Cost, \$800. Manufacturing building, Frankford creek and Powder Mill lane.

J. Francis Smull (O), 2544 West Lehigh avenue. Chas. F. Woehr (C), 2509 Hagert street. Cost, \$800. Dwelling, 2544 West Lehigh avenue.

G. Perri (O), 1120 Annin street. Jos. Pinio (C), 1215 South Twelfth street. Cost, \$1,000. Dwelling, 1120 Annin street.

Markman & Co. (O), Water and Tasker streets. Koelle, Speth & Co. (C), Twenty-sixth and Thompson streets. Cost, \$8,900. Coal pockets, Water and Dickinson streets.

Serafino Pace (O), 670 South Sixth street. Jos. Giuliano (C), 1132 Watling street. Cost, \$1,150. Store and dwelling, 670 South Sixth street.

Horn & Hardart (O), Philadelphia. Ed. F. Herberg (C), 1236 Olive street. Cost, \$500. Saloon, 1512 Market street.

J. Horace Eyre (O), 3429 Comly street. Lewis Detrich (C), 3016 Comly street. Cost, \$600. Store and dwelling, 3429 Comly street.

American Bouquet Co. (O), northeast corner Twenty-fifth and Washington avenue. Cost, \$1,100. Manufacturing building, Twenty-fifth and Washington avenue.

Rachael Surpliss (O), Front and Lehigh avenue. Victor A. Craig (C), 233 East Allegheny avenue. Cost, \$1,200. Store and dwelling, 3241 North Front street.

Commonwealth Title and Trust Co. (O), Twelfth and Chestnut streets. C. F. Frary (C), 1748 Wylie street. Cost, \$500. Store and dwelling, 955 North Sixth street.

University of Pennsylvania (O), Thirty-third and Locust streets. Elfred & Wood (C), 1708 Sanson street. Cost, \$550. Training house, Thirty-third and Locust streets.

Mrs. E. McAninly (O), 2540 East Allegheny avenue. J. F. Crowe (C), 3127 Belgrade street. Cost, \$865. Store and dwelling, Clearfield and Belgrade streets.

H. B. Barton (O), Chelton avenue and Camac street. J. Wesley Fretz (C), Thirteenth and Medary streets. Cost, \$1,500. Garage, Chelton avenue and Camac street.

Board of Education (O), Land Title Building. Mitchell Bros. (C), 2125 Race street. Cost, \$4,775. School, 2705 Huntingdon street.

Jas. A. Develin (O), 6052 Overbrook avenue. F. L. Hoover & Son (C), 1023 Cherry street. Cost, \$1,700. Dwelling, 6052 Overbrook avenue.

Jewish Hospital (O), York and Tabor roads. Wm. R. Dougherty (C), 1610 Sanson street. Cost, \$15,000. Hospital, Old York and Tabor roads.

Wm. Trump (O), 515 West View avenue. Stokes Bros. (C), 6723 Musgrave street. Cost, \$600. Garage, Hortter and Wissahickon avenue.

A. H. & F. H. Lippincott (O), Twenty-fourth and Locust streets. Turner Concrete Steel Co. (C), 1713 Sanson street. Cost, \$25,000. Manufacturing building, Twenty-fourth and Locust streets.

Hortense L. Becker (O), 1018 Chestnut street. Lam Building Co. (C), 1001 Wood street. Cost, \$2,500. Store and dwelling, 3645 Woodland avenue.

Tinius Olsen Testing Co. (O), Twelfth and Buttonwood streets. Lam Building Co. (C),

(Continued on page 566)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY
Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., SEPTEMBER 1, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1867)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Maurar, St. Louis
Auditors.....{ Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.
*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Brockie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John F. Harbeson
Vice-President.....Herman L. Duhoning
Secretary.....Wilbur H. Tusler
Treasurer.....Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

Richard W. Sherman, Chief Engineer of the New York State Highway Commission, in a paper on "Engineers as Viewed by Contractors," contributes an interesting chapter or two on some of the differences which characterize the relations of the men who plan and oversee big work and the men who bid on it and carry it through to final achievement.

* * *

"Complete harmony cannot exist between engineers and contractors, as each represents opposing interests," writes Mr. Sherman. "The engineering graduate starts with an educated prejudice against contractors, whom he believes to be, in the main, determined to get the best of engineers; and therefore he is on his guard, and purposes not only to take care of himself, but to get the best of the contractors.

"Contractors dread the 'boy engineer' just from college. These young engineers are extremely technical. They expect a literal compliance with every iota of the contract obligations by the contractor.

"With rare exceptions, men greatly improve in learning, wisdom, and disposition as they grow older. After twenty or thirty years, a man is surprised to find how little he knew when he started his professional or business career. He has grown riper in judgment, and has developed greater caution, discretion, and justice towards others. He grows considerate, amiable, and kind.

"Contractors are largely influenced by their opinions of engineers. The engineer who has a reputation for ability, honesty, fairness, and good disposition will attract bidders for any work of which he has charge; and the desire to do work under him would be an incentive to reasonably low prices. It is a feature of contracting to size up the engineer with as much accuracy as possible.

"In bidding for work, contractors are almost as sensitive as weather-vanes. It may be possible to make a profit at a given bid under one engineer, and impossible to avoid a loss under some other engineer, with all other conditions similar, and the quality and the merits of the work constructed being equally good at the same cost to the owner in each case.

* * *

"A majority of bids are too high. The highest bid is often twice as much as the lowest, even when the lowest is sufficient. Over-anxiety to secure the contract is the commonest cause of low bidding. Low bids are often made to keep a contractor's organization together for future work on which he hopes for better prices.

"Contractors who do not care for the contract often bid fairly high up, without any expectation of securing the contract, but merely to avoid a reputation among contractors of being low bidders, and with the bare

chance of getting the work at good prices. Excessively high bids are usually the result of lack of knowledge of the value of the work and lack of time to become familiar with it.

"If an engineer's preliminary estimate is believed to be too low, it drives away bidders and tends to indifferent high bidding. Some over-anxious contractors may be influenced thereby to bid too low. They may secure the work, in which event the engineer has an unpleasant task during construction. There is almost sure to be a disposition on the part of the contractor to save himself from loss, and he is thus tempted to slight the quality of the work. Both contractor and engineer are in some degree injured by the work having been done at less than cost.

* * *

"An engineer who can make reliable preliminary estimates will find his services in demand by municipalities, corporations, and other owners; or, if he chooses to practice as a contractor's engineer, he will find his services of great value in that field. Some prominent engineers of my acquaintance would not under any circumstances do engineering work for contractors, confining their services entirely to the owners. I know of other engineers who confine themselves wholly to engineering for contractors, and who do a large business as engineering experts for contractors, in litigations.

"These two fields of engineering are becoming more and more distinct, and it is my opinion that an engineer is wise who makes his choice and adheres strictly either to the one line of practice or to the other.

"The contracts and specifications on very large and important works are usually models of perfection. In smaller works, such as may amount to, say, not over \$200,000, contractors are often confronted with bidding papers, contracts, specifications, plans, etc., which are a disgrace to the engineer who drew them.

* * *

"There are a few engineers who are sometimes called 'specification fiends.' They write to many places where work is advertised, for specifications, etc. They read them eagerly and often clip such paragraphs as catch their fancy—usually those which are harsh, severe, and unreasonable from a contractor's standpoint. With these clippings to aid them, they draw up specifications, etc., which often deserve the name of 'crazy-quilt' specifications. Such papers are full of contradictions, useless paragraphs, and ambiguities which are almost sure to cause contention and trouble during the construction and in the final settlement, or lead to litigation. Such engineers are apt to insert severe conditions such as excessive cash deposits with the bids, unreasonably short time in which to construct the work, excessive per diem liquidated damages for overtime, excessive bonds, and sometimes excessive

sive retained percentage where monthly payments are provided. About all they can think of is to make the work undesirable and objectionable to contractors. Such engineers and their work are often avoided by the best class of bidders, and the contracts are apt to go to rather undesirable contractors."

* * *

Isn't this to a considerable extent true of architects as well as of engineers? The young architect, like the boy engineer mentioned by Mr. Sherman, is also apt to be a trifle over-technical, and as for "the specification fiend," with his impossible clauses and patchwork exactions, who that has dabbled in building for any length of time does not know this particular type?

* * *

The current number of the "San Francisco Architect and Engineer" mentions a case in Berkeley, in that State, in which the contractor for a new school bid so low that when he had completed sixty per cent. of the work he was forced into bankruptcy.

"When will our municipal authorities and private owners," asks the magazine quoted, "awaken to the fact that there is no economy in awarding contracts to irresponsible contractors on bids that are little short of suicidal? Common sense will tell a man that a contractor who is several thousand dollars low on a job, the totals cost of which is under \$50,000, cannot, under ordinary circumstances, make good. His predicament invariably ends by resorting to one of two things: Either he must ignore the specifications and substitute cheaper materials, or he must fail to meet his obligations and go into bankruptcy.

"Why cannot we have some sort of legislation that will protect us against the dangers of irresponsible bidding? It is no wonder some architects open their doors to only a few selected bidders. Can you blame them? The better element of the contracting business, in San Francisco and Bay Cities, should unite and its members should decline to figure work in competition with irresponsible bidders. And those who figure should do so with the idea of a profit, otherwise it would be better to step out of the game."

* * *

We mention this California incident to emphasize the fact that there is another side to the medal—that contractors, in the race for new work, sometimes bid so low that stringently-drawn specifications supported by the most vigilant supervision are often a necessity to prevent wholesale scamping of the job. And we are quite ready to believe that this is as true of large public work in which the engineer figures as in that ordinary building in which the architect enacts the leading part.

The remedy is to award to the lowest "responsible" out of a selected list of "invited" bidders. True, this system may prove somewhat of a hardship to the new man breaking in, but—

* * *

The August number of "Judicious Advertising" contains an interesting article by

Robert B. Shapnisky entitled "Reaching the Architect." To get the point of view of the architect the author obtained an interview with one of the most distinguished men in the profession, in which he bluntly inquired the "best, possible way" to get before the architectural fraternity the selling arguments for building materials, devices, equipment, etc., with a view to having them specified. The reply of the architect, as reported by Mr. Shapnisky, is so completely in accord with the facts as we have found them, within our own experience, that we are moved to quote it:

"I get my information concerning the newest building materials and specialties," replied the architect interviewed, "from the architectural and engineering journals' advertising pages. I get two architectural papers and one engineering magazine and I read the advertisements with the same attention that I give the text.

"But the fact that a manufacturer says that a certain product is used in the Blank building doesn't influence me to use it in any of the buildings I am designing, although it frequently prompts me to make inquiries. I want to learn something about the material itself—a description of its merits and what it adds to the value of a building. I consider myself a judge of building materials, and the mere fact that some other architect or some contractor or owner has selected it is no reason why I should follow his example. So many building material advertisements carry only the name of the brand and the owner and his address. Many others indicate that the advertiser seems to think he is influencing the architect when he names the buildings where his materials are used. When there is some reason why the products should be used, I send for 'fuller information' and am ready to listen to the salesman, whether it is something well established or an article that has just been placed on the market."

* * *

Notice, Mr. Advertiser, that the architect quoted is most effectively interested in the advertising that tells why the product advertised is better than some other product of the same type or class. This bears out a theory that we have long cherished, viz., that to make advertising properly effective it should be a "selling talk"—should present the same argument for your goods that your salesmen present, and should harp with some insistence on any merit your product is able to claim that cannot be claimed for the products in competition with it. The selling-talk "ad" is the best kind of advertising, because it not only tells the reader what you have to sell, but why he should invest in your goods in preference to other goods of the same general class.

* * *

In connection with the recent publication of revised contract documents as formulated and published by the American Institute of Architects, and ratified widely by organizations of both architects and contractors, it might be interesting to note the development of uniform documents as a guide to building

ethics in this country. A resume of this history is printed on the cover of the documents as distributed by the American Institute of Architects, "The Octagon," Washington.

The first step in this direction was taken in 1887, when the American Institute of Architects, the Western Association of Architects and the National Association of Builders collaborated on a form of contract satisfactory to both branches of the building trade. This form, called "the Uniform Contract," came into wide use and did much to eliminate the commoner controversies in the business.

In 1907, however, it was felt that practice had advanced to such a point that the Uniform Contract no longer reflected the prevailing spirit in the building trade and the Institute set to work to re-study the problem and formulate documents of a more advanced character. The standing committee appointed for this purpose spent four years at the work calling continually on engineers, architects and contractors and the chapters of the Institute for criticism. The Institute approved the work in 1911 and general criticism was invited. In 1913 detailed criticisms were offered by the National Association of Builders Exchanges, and a joint committee of the Boston Society of Architects and the Master Builders Association of that city went over the entire ground thoroughly, submitting valuable material to the committee of the Institute for consideration.

Last year the Institute instructed the standing committee to revise and simplify the Conditions, which was done with the cooperation of the sub-committees of the various chapters, and after conferences with the Boston group and with representatives of the National Association of Builders Exchanges. The General Conditions were rewritten and the principle of arbitration, subject to certain limitations, was introduced to satisfy a general consensus to that effect among contractors and sub-contractors.

It can thus be seen that the documents as published April 1, 1915, by the Institute, represent the best thought not only of the architects, but of every branch of the building interests throughout the United States, and as such are entitled to universal acceptance. The value of the labors of the Institute toward a higher ethical business standard and the elimination of friction in a trade which demands the constant interpretation of complicated and technical contracts, can hardly be estimated.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



ALTERATIONS AND ADDITIONS

(Continued from page 563)

1001 Wood street. Cost, \$700. Factory, 1206 Nectarine street.

J. T. Pearson (O), 5039 Wayne avenue. Edw. Clifford (C), 107 Queen street, Germantown. Cost, \$1,500. Dwelling, 5039 Wayne avenue.

Jas. J. Barrett (O), 2628 South street. John Borden & Bro. (C), 637 North Nineteenth street. Cost, \$300. Dwelling, 2628 South street.

John Magoldi (O), 815 Kimball street. Cost, \$450. Dwelling, 815 Kimball street.

World Printing Co. (O), 5429 Market street. Fred Sabn & Co., Inc., 237-41 Bread street. Cost, \$525. Store and dwelling, 5429 Market street.

Penna. Trust Co. (O), 517 Chestnut street. John Duncan (C), 920 Walnut street. Cost, \$5,000. Warehouse, 113 Sansom street.

Siloam M. E. Church (O), Susquehanna avenue and Belgrade street. Chas. L. Gum (C), 2546 North Twenty-ninth street. Cost, \$600. Church, Susquehanna avenue and Belgrade street.

Board of Education (O), Land Title Building. Noe Wadlow Co. (C), 1024 Ridge avenue. Cost, \$1,310. School, Bustleton pike and Cottman street.

Geo. H. Rogers (O), care James Doyle, Cedar and Clearfield streets. R. McShane (C), 2509 North Thirty-fourth street. Cost, \$776. Dwelling, 2540 East Allegheny avenue.

Mrs. S. H. Greene (O), 643 North Fortieth street. Geo. W. Gardner (C), 511 North Fortieth street. Cost, \$300. Dwelling, 643 North Fortieth street.

Gulf Refining Co. (O), Morris Building. Scott W. Mahn (C), Glenside, Pa. Cost, \$6,100. Warehouse and garage, Allegheny avenue and American street.

A. Bonanteo (O), 1509 South Juniper street. Jas. Berlingien (C), 1633 South Isminger street. Cost, \$300. Dwelling, 1124 Christian street.

E. B. Morris (O), 227 South Eighth street. Henry C. Dhal (C), 231 South Eighth street. Cost, \$1,100. Dwelling, 227 South Eighth street.

John H. Getz (O), 2822 Germantown avenue. H. P. Werner (C), 3245 Germantown

avenue. Cost, \$500. Garage, 2542 Germantown avenue.

Chas. J. Blielmire (O), Germantown and Lehigh avenues. Baker the Sign Man (C), 1033 Race street. Cost, \$825. Store building, Germantown and Lehigh avenues.

John A. Kelly (O), 3509 Spring Garden street. E. F. Shallow (C), 3621 Hamilton street. Cost, \$1,200. Dwellings, 3601-5 Spring Garden street.

Crean Bros. (O), Second and Huntingdon streets. Stewart Bros. (C), 2526 North Orkney street. Cost, \$350. Office, Second and Huntingdon streets.

Women's Southern Homeopathic Hospital (O), Broad and Fitzwater streets. Mervine Bros. (C), 217 South Eighth street. Cost, \$650. Nurses' home, 745 South Broad street.

Simon Kneeder (O), Baynton and Shedaker streets. Wm. T. Broadhead (C), 1157 East Cheltenham avenue. Cost, \$525. Garage, Shedaker and Baynton streets.

Girard Estate (O), Lafayette Building. A. Raymond Raff (C), 1635 Thompson street. Cost, \$34,000. Toilet building, Girard College. Cost, \$800. Chapel, Girard College.

E. Pifferling (O), New York City. P. J. Hurley (C), 1233 Cherry street. Cost, \$6,000. Film building, 1227 Vine street.

M. R. Richman (O), 4242 Germantown avenue. M. Bakst (C), 1540 North Sixth street. Cost, \$1,200. Stable dwelling, 1912 Demmie street.

J. T. Waugh (O), Twentieth and Porter streets. A. DeMarco (C), 1224 Christian street. Cost, \$2,200. Garage, 2622 South Eighteenth street.

P. Gromley (O), 1316 Mt. Vernon street. McIver Const. Co. (C), Heed Building. Cost, \$560. Garage, 1316 Mt. Vernon street.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 17, 1915.—Sealed proposals will be opened in this office at 3 p. m., September 29, 1915, for the construction complete (including mechanical equipment, interior lighting fixtures, and approaches) of the United States post office at Smyrna, Del. One story and basement building; ground area, 2,200 square feet; first floor and ceiling fireproof; stone and brick facing with wood cornice, etc.; tin roof. Drawings and specifications may be obtained from the custodian of site at Smyrna, Del., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 17, 1915.—Sealed proposals will be opened in this office at 3 p. m., September 28, 1915, for the extension and remodeling (including mechanical equipment and approaches) of the United States post office and courthouse at Harrisburg, Pa. Drawing and specifications may be obtained from the custodian at Harris-

burg, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 27, 1915.—Sealed proposals will be opened in this office at 3 p. m. on October 8, 1915, for the construction (except the mechanical equipment) and approaches of an 8-story and basement stone and brick faced building of 18,500 square feet ground area; fireproof construction; composition and tile roof; also a retaining wall for the United States appraisers' stores building at Boston, Mass. Separate proposals for the foundation and the superstructure will receive consideration. Drawings and specifications may be obtained from the collector of customs, at Boston, Mass., or at this office, in the discretion of the supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 24, 1915.—Sealed proposals will be received in this office until 3 p. m. September 14, 1915, and then opened for new partitions, alterations, etc., in the United States Custom House, Boston, Mass., in accordance with drawings Nos. S. A. 62 to S. A. 66, inclusive, and specifications, copies of which may be had upon application to the Supervising Chief Engineer, etc., room 137, Post Office and Sub-Treasury, Boston, Mass., or at this office. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 27, 1915.—Sealed proposals will be opened in this office at 3 P. M. October 8, 1915, for the mechanical equipment (except elevators, lighting fixtures, pneumatic-tube system, and sprinkler system), of the United States appraiser's stores at Boston, Mass., in accordance with drawings and specification, copies of which may be obtained from the custodian of the site at Boston, Mass., or at this office, in the discretion of the Supervising Architect. James A. Wetmore, Acting Supervising Architect.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

WHY WE DO IT.

Advertise and the world buys of you;
Renig, and you need a loan.

If you never tell what you have to sell,
You'll have troubles all your own.

— "Los Angeles Evening Herald."

HOLDING UP THE MIRROR

It's some job to even imitate Nature. Some are not content to imitate. They would improve on the Creator's plan. Reformers of this type have been christened Illuminating Engineers. According to them, it would be an improvement to do away with the period of rest which comes with sun-down, and substitute a perpetual day. Meddlers of this sort are more to be pitied than scorned. The blame rests upon the narrowing influences of a technical "education," which ignores the concrete for the abstract, and blasts the imagination of the student, destroying his ability to sense the fined things of life. This artificial daylight stunt consists in trying to make an artificial illuminant perform like the real thing. As the sun sweeps across the horizon, the color value of daylight changes. The early morning light is cold, very cold, some mornings. At noon sun light is white, and bright, and fierce. Analyzed as to color, daylight at noon on a bright day consists of 33 1-3 per cent. each of red, green and blue. It is this searching garish light which is modified and toned down by drapery and window treatment, before it enters an interior. Can you imagine anything more harsh, or cold, or disagreeable, than a room flooded with garish light, unmodified by window hangings of any sort? How could we get along without convenient roller shades to regulate the brightness of an interior in accord with our mood? Yet our commercial friends, the illuminating engineers, who make and sell devices to produce artificial daylight, insist that "a white light is a better light—a light universal." The publicity which has attended this falsehood has caused considerable damage, because many people believe what they read in the advertising section of the five-cent weeklies, without stopping to reason. An artificial light which approximates daylight at noon has certain applications of usefulness, but such a light must not be regarded as suitable for the lighting of the home. Daylight at noon is a white light, and such a light is suitable for working conditions requiring an accurate comparison of color value, such as in silk mills and other similar industrial occupations.

Artificial daylight units consist of a lamp within some colored medium which supplies or contributes enough blue to compensate for the shortcomings of the lamp itself. The plan of placing lamps within wash-basin like affairs of "blued" glass is not effective unless the top of the basin is covered. A certain percentage of the lamp's light is transmitted through the colored glass, and the balance is reflected upwards toward the ceiling by the polished inner surface of the basin. This upward light is redirected downward again by the diffusive action of the ceiling, and thereby hangs a tale. If the ceiling is not absolutely white the redirected light will partake of its color. Hence a yellow ceiling will redirect yellow light downward, which, united

with the "white" transmitted light, destroys its "whiteness" and defeats the original purpose of "imitating Nature." Invariably these utilitarians who are continually howling about "efficiency" become so obsessed with trivial detail that the really important measures get lost in the shuffle. In one of New York's newest department stores this daylight stunt was installed as above described, only the wash basins had "trimmings"—in the form of gold tassels and other embellishments dear to the fixture man's purse. The ceilings and pilasters, alas, were of Caen Stone, and the light which escaped ceilingward from the bedizened wash basins came down to earth—yellow. One application of ordinary one-cylinder horse sense would have done the trick, but everybody on the job seemed to be out of gasoline. If it were only possible to confine these utilitarians exclusively to industrial occupations, such as factory lighting, illuminating engineering, plumbing, gas fitting, and bell hanging, all would be well, and the architect would enjoy a surcease of sorrow, but ad interim he is grievously beset and hounded by idiots who would convert night into hideously bright and unnatural day, giving to humanity in general the curse of a 24-hour working period. Diametrically opposed to the whiteness of the noonday light is the warmth of the late afternoon sun. It was not by accident alone that the night lights which have lighted civilization on her way for years brought into the home an afterglow of the mellowness and radiance of the setting sun. Is it not strange that a lesson taught by centuries should be too simple for these utilitarians to grasp? The architect knows it well, and so does every interior decorator. The artist has shared their knowledge from the start, and the musician from the time he first paid tribute to the Muse. Every woman sees it reflected in every glance of admiration, and it is reiterated by her mirror a thousand times. The children know it when they are happiest. But the utilitarian is dumb. He refuses to understand. I will make the prediction here and now that illuminant manufacturers will be forced to abandon their silly, false propaganda of "a whiter light, a better light, a light universal." It is unfortunate that it has remained for an individual to force the issue, but it is being forced and gaining ground each day. The People's Gas Light and Coke Company, of Chicago, recommend amber light Welsbach mantles exclusively for residence lighting. Many years ago the Welsbach Company realized that a white light mantle was not suitable for every usage, and perfected a mantle which has all the softness, restfulness and mellowness of the oil lamp. There is no reason why manufacturers of Mazda lamps should not furnish lamps with amber bulbs for home lighting. There is every reason why they should discontinue misrepresentative statements that "a white light is a better

light—a light universal." A yellow bulb absorbs but a very slight proportion of the total light, since only the blue-violet end of the spectrum where there is the least brightness is absorbed by the yellow glass. The architect can start something any time he tries. Let's get together and crush this "white light" fake before it does greater harm. Last year I told fifteen million people the story in such a way that each one could verify the facts. The architect doesn't need any proof. He knows. Soon there will be laws passed censoring publicity which is misrepresentative by suggestion or inference. Every one who helps now will have the pleasure of saying, "I told you so," in the very near future.—F. L. Godinez, in "Architecture and Building."

SOME SPLENDID SUGGESTIONS.

So long as casual labor broods in squalid lairs in sunless streets, and ugly dwellings are its only habitation, we shall continue to turn out nervous manikins instead of enduring men. Motherhood, childhood, youth, society and the race demand the demolition of the soul destroying slum. The mean street produces mean men, the lean and tired women and the unclean children.

"Plan the town if you like; but in doing it do not forget that you have got to spread the people. Make wide roads, but do not narrow the tenements behind. Dignify the city by all means, but not at the expense of the health of the home and family life."—Right Hon. John Burns, author of the English Town Planning Act of 1909.

WOODEN FENCES.

Many small cities and towns, as well as a few larger municipalities, have begun a campaign against the high board fences so commonly found in the rear of city residences. These fences have been declared "breeders of fires, crime and disease" and officials of the Health, Police and Fire Departments are energetic in the movement for their abolition.

Statistics show that a great number of serious fires occur in localities where wooden fences are common, the fire often running down the length of the block carried by the wooden fence.

That the fences serve as screens and hiding places for marauders is also claimed by certain police officials. That they are an encouragement to the collection of rubbish is a certain fact.—"Town Development."

The man who takes the stand that everybody knows his line and that his goods, for this reason, "sell without advertising," is as big a dunce in his way as that other idiot who claims to have "all the business he is able to handle." The best known book that ever was written is the Bible, and it's still advertised by firms who want to sell it. The biggest business ever organized is Standard Oil, but John D. is still reaching out for more.

TO BEGIN WORK NEXT MONTH ON ONE BLOCK OF BOULEVARD.

City Plans Completion of Small Section to Show Public What Parkway Really Means.

Construction of the Philadelphia Parkway between Sixteenth and Seventeenth streets will be started by the Department of Public Works about the middle of next month. While extending only one block, it is the desire of the Administration to give the public a physical demonstration of what the Parkway will actually mean as a great public improvement when completed to City Hall.

To that end, the Highway Bureau will advertise this week for bids for building this short section. Only \$15,000 is available, but Councils, it is expected, will appropriate an additional \$10,000 for the project when they meet next month. The work on the block will be advertised in such a way, however, that the money already available will be utilized in building the new thoroughfare as far as it will go.

As the Bell Telephone Company, whose new building at Seventeenth and Arch streets and the Parkway is nearly finished, is ready to pave the sidewalks, not only along Seventeenth street, but on the Parkway as well, Director Cooke said that the Administration's plans now under contemplation will give the public a very good idea of the appearance of the finished boulevard.

Admitting that it was the first instance under the present Administration where work on a block has been undertaken in advance of having the money with which to complete it, Director Cooke said:

"It seems so important that the development of the Parkway be pushed to completion at the first possible minute, that this extraordinary measure is being taken. The Administration wants to feel that it has made every effort to advance the development of the Parkway up to the limit of the resources placed at its disposal. It is hoped to finish the work during the course of the present session."

Between Logan Square and City Hall the width of the Parkway will be 140 feet, consisting of a roadway 80 feet wide, flanked by sidewalks 30 feet wide. Eventually, this section of the Parkway will continue through Logan Square, where, at its intersection with Nineteenth street, it will widen out into the section 250 feet wide with three roadways, a portion of which—from Nineteenth street to Twenty-second street—is now being completed.

At the point where this transition takes place, there will be laid out a large circle, in the centre of which will be erected a handsome Soldiers' and Sailors' Memorial. It is proposed to widen Logan Square west to Twentieth street, in which case the Soldiers' and Sailors' Monument will be practically in the centre of the completed square. At the City Hall end, the Parkway will widen out into a large plaza, extending to Broad street,

and lying between Arch street and the City Hall. This plaza will be developed into a beautiful little park, and will most probably contain the large municipal music stand, together with several small fountains.

THE MUNICIPAL ART SOCIETY.

One of the most important movements ever undertaken in connection with city planning was the recent competition of the Municipal Art Society of New York for the architectural solution of the crossing of an avenue and a street. Details of the competition, with reproductions of the prize-winning designs, appear in the July Bulletin of the society, and will prove of great interest, through the extent to which this vexed problem has long engaged the attention of architects and students of civic design.

The society's first prize of \$300 was awarded to John Floyd Yewell, of New York City; the second prize of \$200 was awarded to John Ambrose Thompson and Ernest F. Lewis, and the third prize of \$100 to Calvin Kiessling and Herbert E. Davis.

One hundred and eighty-five designs in all were submitted. They were displayed in public exhibition and were judged on May 24th, by a jury composed of city officers and engineers, including police and subway officials, a member of the Art Commission and several prominent architects.

Mr. Yewell's design was adjudged the best of all solutions presented, because it occasioned the least damage to surrounding property, the jury stating in its report that "Any arrangement of the traffic problem which occasions detriment to the surrounding real estate is not a proper solution, but one should be found which at once lightens the pressure of the traffic, and creates a real estate operation for the authorities which has the possibility of financial success."

The gathering together by the society of so many as one hundred and eighty-five projects has shown how difficult a matter this solution is, and there is small doubt that many large cities, who are also facing it, will be glad to profit by the large amount of material the society's work has brought forth.

The success of this competition in arousing keen interest in a pressing problem, makes it probable that the society will each year hereafter hold similar prize competitions.

ASPHALT FOR STREET SURFACES.

Practically everyone recognizes that black, viscous mass used in surfacing our streets as asphalt; but how many of us know what it is, where it is produced and the processes it passes through before it is usable for our street surfaces, roofs, waterproofing our buildings, and the various other ways in which this interesting material is utilized.

Asphalt is a product of nature, and after it is refined by a secret heating and cleansing process it is the best waterproofing material known. Many chemical preparations which

look like asphalt are oftentimes used for the same purposes, but none have the same durability or are as efficient as a good quality of natural asphalt.

Asphalt is not a manufactured product, unless the process of refining it may be called manufacturing. Much of it comes from Trinidad Lake, located in the Island of Trinidad, a British possession in the West Indies. This lake might well be named among the natural wonders of the world. Travelers visiting Trinidad make it a point of visit as one of the interesting sights of the island. Bermudez Lake, in Venezuela, South America, also produces a crude asphalt of high quality which is widely used in the United States.

Both of these lakes are located at a considerable height above sea level. They are supposed to be the craters of volcanoes long extinct. The asphalt lake at Trinidad covers an area of about 140 acres in extent and is nearly circular in form, with a diameter of approximately one-half mile. From this lake nearly 135,000 tons of crude asphalt are removed yearly without a perceptible diminishing of the supply. As the material is removed the hole rapidly fills up again and the supply seems to be endless. The subterranean asphalt springs are constantly working and sending forth new material from the earth's interior. Test borings to locate the bottom of this lake have been repeatedly made, but without success.

In these lakes the asphalt is in constant motion. Numerous islands, varying in size, and bearing trees of considerable height, with other vegetation, dot the surface. These islands are constantly moving about, although at an almost imperceptible speed. The center of the lake is higher than it is at the edges, due to the ebullition of the soft asphalt near the center. The raw material is dug with picks or mattocks and is transported in carts over roads built on the surface of the lake to the loading piers, from which it is shipped to the refining plants.

Natural asphalt is a black, viscous substance, containing a high percentage of natural oils. These oils supply its power of resisting the disintegrating influences of constantly changing weather conditions, and which make it so valuable as a waterproofing and paving material. When first dug from the lake it is not sticky like the refined product which we ordinarily see, on account of the large amount of water and organic matter it contains. This water and the foreign substances are eliminated in the refining process. The refining is accomplished by submitting the raw material to a heating process in which the degree of heat is carefully watched by employees thoroughly familiar with the process of asphalt refining. The apparatus used has been perfected after many years of experimentation.

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
Artists' and Architects' Supplies.
Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.).

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Auolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Head Bldg., Phila.

Mitchell Bros., 2135 Race st., Phila.

Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,

4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,

Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.

Barrett Mfg. Co.,

New York City and Philadelphia.

Builders' Steel Products Co.,

131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,

3 W. 29th st., N. Y., & Land Title Bldg., Phil.

Richards-Wileox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.

Warren-Knight Co., 136 N. 12th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,

1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,

10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.

Warren-Knight Co., 136 N. 12th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,

Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,

131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.

Frank C. Gillingham & Son Co.,

Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. School, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,

American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

J. Reynolds & Son, 1615 Filbert st., Phila.

Abram Cox Stove Co.,

American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,

Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori-g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,

Real Estate Trust Bldg., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and

North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

James P. Farrell Co.,

1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.

Frank C. Gillingham & Son Co.,

Richmond and Norris sts., Phila.

Howard Ketcham, 3rd & Girard ave., Phila.

Metal Lath.

Builders Steel Products Co.,

131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J.

and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wileox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.

Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,

New York City and Philadelphia.

F. E. Sagenorp, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

Liberty Stove Co., 114 N. 2nd st., Phila.

J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.

Brinkmann Bros., 2615 Frankford ave., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.

O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,

Glen Rock, Pa., and Land Title Bldg., Phila.

Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,

3 W. 29th St., New York

and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,

Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Star Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,

Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terraza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility." Frank C. Gillingham & Son Co.,

Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co., Real Estate Trust Bldg., Phila.

Barrett Mfg. Co.,

New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.

Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,

1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,

1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.

and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

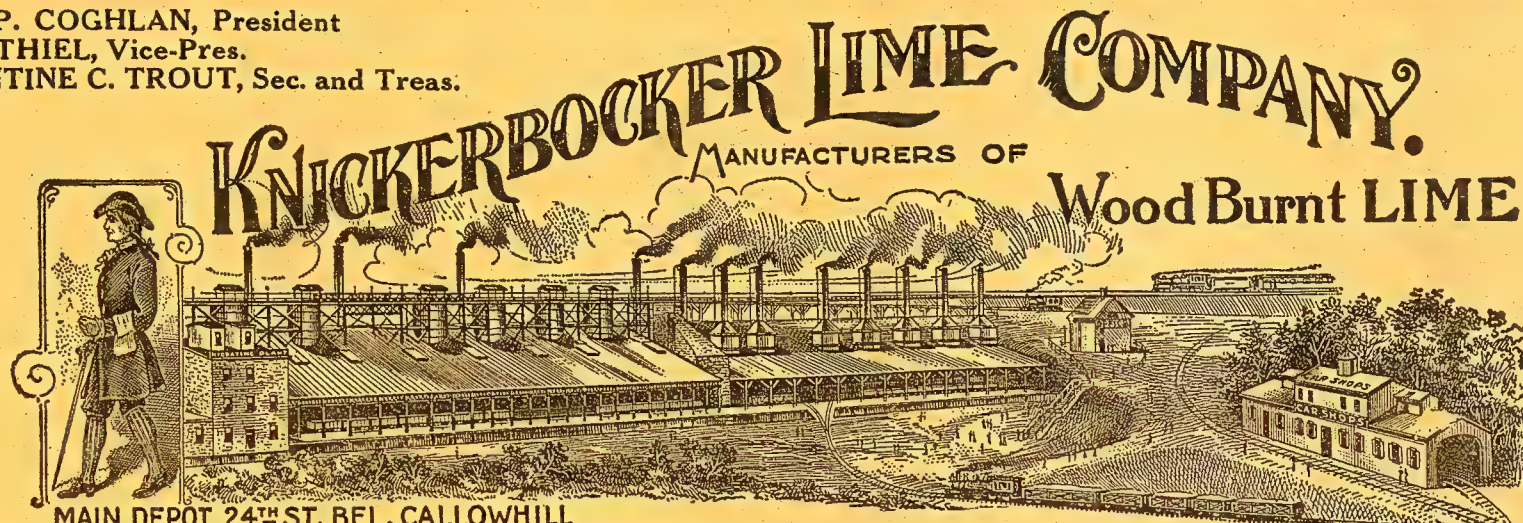
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

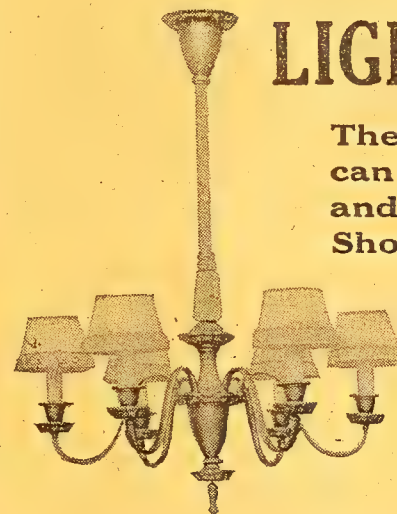
*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.



We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 36.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 8, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

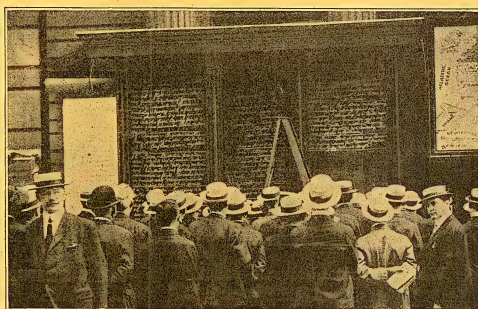
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

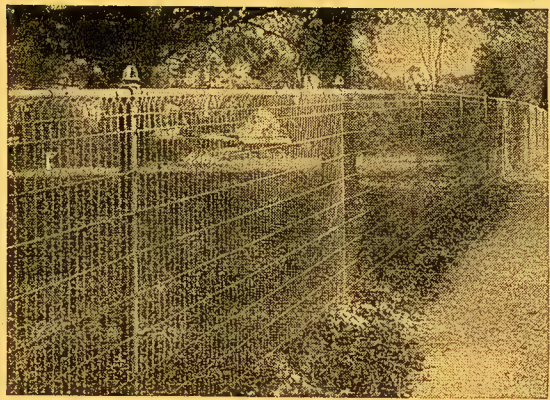
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens **ANCHOR POST FENCES**

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.

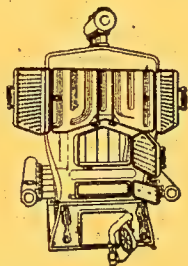


Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.

MILLS

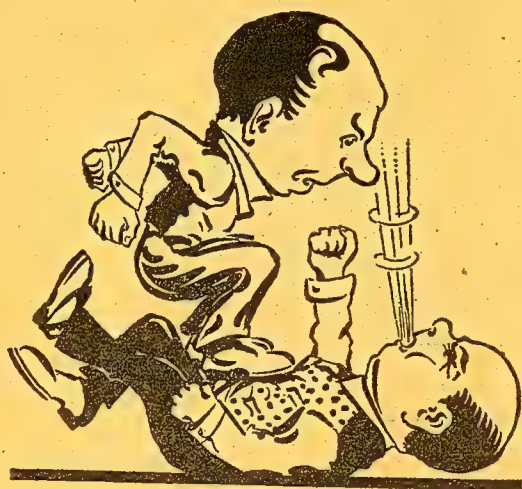


"Satisfaction"

When a type of boiler is made for 40 years, and each year's sales increase over previous ones there is but one conclusion—

They must give satisfaction.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified, advance building news concerning work in Philadelphia, Eastern Pennsylvania, Southern New Jersey and Delaware.

Let our representatives show you the merits and utility of this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN **CONTRACTOR**

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGEE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



The reputation of "F-S"
Products has a solid foundation.

Our claim to quality for "Alba Flint Enamel" rests on fifty years of giving satisfaction. You can safely specify it for inside and outside work. It is easy-flowing and dries with a permanent gloss. One coat is equal to two of many other enamels, and it is durable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(117)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

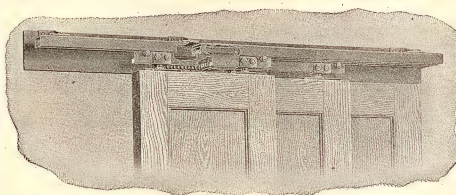
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES

Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

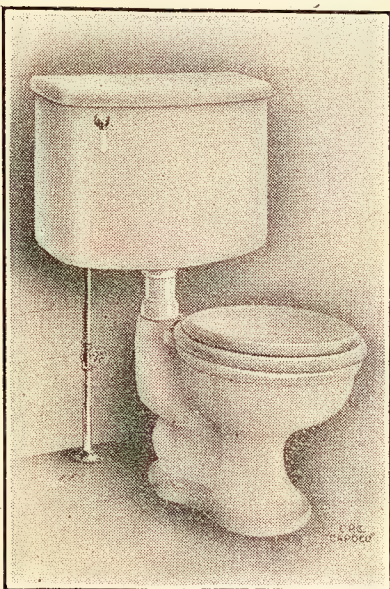
C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
 Roofing and Floor Tile
 Sewer Pipe and Flue Linings
 and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1511 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

UNIFORM CONTRACT FORMS

As adopted and recommended by the American Institute of Architects

"Standard" Blanks for the Building Trade.

Certificate Books.

Builders Levels, Transits and Rods from

\$15.00 up. Measuring Tapes.

Blue Printing.—Drawing Materials.



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting
ENGINEERS

STRUCTURAL STEEL

STEEL TOWERS

ORNAMENTAL IRON

WORK

CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 36.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 8, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

School (alts.), Walnut lane and Wissahickon avenue. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Consists of new stone wall and grading. Owners taking bids, due September 10th at 1.30 P. M.

Apartments (alts. and adds.), Twenty-second and Fairmount avenue, Philadelphia. Architects, Chas. W. Bolton & Co., Wither- spoon Building, Philadelphia. Owner, Dr. Reinhard Nell, on premises. Brick, 3 stories, slag roof, electric lighting, (steam heating, reserved). Architects have received bids.

School (add.), Thirtieth and Gordon sts., Philadelphia. Architect, Horace J. Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall. Stone and brick, 3 stories, 74x65 feet, slate and slag roof, metal lath, metal sash, reinforced bars, glazed bricks, iron stairs, metal weather strips, (heating, plumbing and electric work separate bids). Owners taking bids, due September 10th. The following are figuring in addition to those previously reported: J. H. Jordan, Thirtieth and Oxford streets; Ketcham & McQuade, 1029 Brown street; P. J. Hurley, 1233 Cherry street; Wm. R. Dougherty, 1610 Sansom street; James Connor, 1317 Arch street, Philadelphia.

Convenience Station, Vernon Park, Germantown. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Stone and frame, 1 story, 17x36 feet, ready roofing, waterproofing, reinforcing bars, promenade tile floors, safety treads, proposal bond, (plumbing, hot water heating, electric work separate bids). Lowest bid submitted by Edward Fay & Son, 2 South Mole street, Philadelphia, \$4,148.

Residences (25), Thirteenth and Courtland streets, Philadelphia. Architect, private plans. Owner, Henry P. Schneider, York road and Erie avenue, Philadelphia. Brick, 2 stories, 15x50 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owner taking sub-bids.

Apartment House, Central Philadelphia. Architect, Henry L. Reinhold, Jr., 1309 Wal-

nut street, Philadelphia. Owners, Central Estates Corporation, care architect. Brick, stone and steel, fireproof, 10 stories, 150x110 feet, composition roof, steam heating, electric lighting, tile and marble work, elevators, and dumb-waiters, metal lath, hardwood floors. Architect taking bids, due September 14th. The following are figuring: Metzger & Fisher, Denckla Building; Bailey-Lush Co., 201 North Broad street, Irwin & Leighton, 126 North Twelfth street; Geo. A. Fuller Co., Morris Building, Thompson-Starrett Co., 49 Wall st., New York City.

Residences (10), Thirteenth and Wyoming avenue, Philadelphia. Architect, private plans. Owner, Ernest H. Sturts, 2614 Ridge avenue, Philadelphia. Brick, 2 stories, 16x38 feet and 16x42 feet, slag roofs, hot water heating, parquet floors, tile work, combination lighting, plumbing. Owner is taking bids on all lines.

Store and Apartments, 5202 Sansom street, Philadelphia. Architect, J. Fieldstein, Hale Building. Owner, S. Kean, 753 South Second street, and S. Pivak, 1104 East Passyunk avenue. Brick, 3 stories, 25x55 feet, slag roof, steam heating, electric lighting, tile work, metal ceilings. Architect will sub-let all contracts.

Residence (alts.), 159 West Springfield avenue. Architect, private plans. Owner, P. J. Conway, on premises. Consists of interior alterations, hardwood floors, electric lighting. Owner taking bids. The following are figuring: John E. Walt, 204 East Willow Grove avenue; I. A. Dunkelberger, 71 East Herman street; F. B. Davis, 240 North Sixteenth street.

Twin Residences and Garage, Tilden street, Philadelphia. Architects, Durham Bros., Heed Building, Philadelphia. Owner, Stephen Knap-pick, 3322 Tilden street, Philadelphia. Brick, 2 stories, slag roof, hot water heating. Owner is taking sub-bids on all lines.

Ice Cream Factory (add.), 806 to 810 Cumberland street, Philadelphia. Architects, Koelee, Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., 900 Cumberland street, Philadelphia. Brick, 4 stories, 49x90 feet, slag roof, rolling steel doors, metal sash, elevator, (elec-

tric work reserved). Owners taking additional bids, due September 8th. H. H. Wehmeyer, 1004 West Lehigh avenue, and Harry Gill, 2525 Germantown avenue, Philadelphia, are figuring.

Tunnel, Frankford Arsenal, Philadelphia. Engineer, private plans. Owners, United States Government, Frankford Arsenal, Philadelphia. Concrete and expanded metal, 63x7 feet, waterproofing. Lowest bid submitted by Charles D. Burns, Bridgeport, Pa., \$974.

Warehouse (alts.), Carpenter street, Fifteenth to Sixteenth streets, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station. Lessees, Merchants' Warehouse Co., on premises. 54x397 feet, consists of new wood floor in first story and minor alterations. Owners taking bids, due September 8th. The following are figuring: Metzger & Fisher, Denckla Building; Royd-house-Arey Co., Fidelity Building, Armstrong & Latta, Land Title Building; A. Whitehead, Inc., 1624 Latimer street; Barclay White & Co., Perry Building; Brann & Stuart, Commercial Trust Building; H. H. Wehmeyer, 1004 Lehigh avenue, Philadelphia.

Theatre, Stores and Apartments, Thirty-first and Wilt streets, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Northwestern Realty Co., care Joseph Fisher, 722 Sansom street, Philadelphia. Brick and terra cotta, 2 stories, 93x124 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Architects have received new bids.

Residence and Garage, St. Martin's, Philadelphia, \$30,000. Architects, Brookie & Hastings, 1713 Sansom street, Philadelphia. Owner, Wm. N. Morico, southwest corner Water and Tasker streets, Philadelphia. Stone, 2½ stories, 35x160 feet, shingle roof, electric lighting, warm air heating, oak floors, tile and marble work, metal lath, waterproofing, metal weatherstrips, canvas floors, gasoline pump and storage system. Architect taking bids, due September 8th. In addition to those previously reported, Henry L. Brown, 1714 Sansom street, is figuring.

Sub-station (add.), Seventeenth and Clear-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

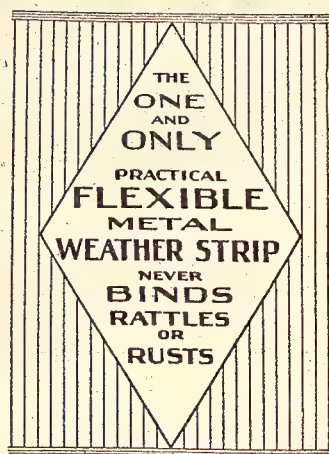
125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{3}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

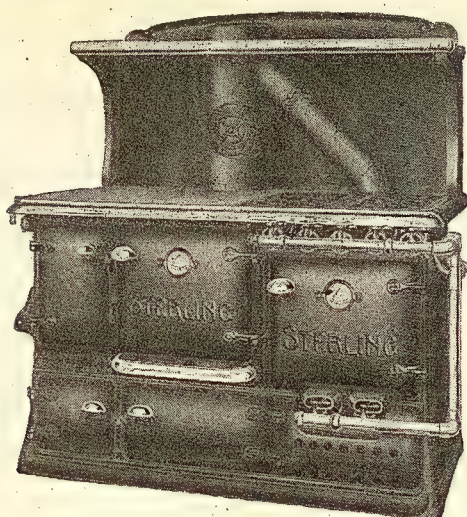
Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

field streets, Philadelphia. Architect, private plans. Owners, Phila. Electric Co., Tenth and Chestnut streets, Philadelphia. Corrugated iron, 1 story, 28x24 feet. Owners have received bids.

Stable and Garage (alts.), 17 Summit avenue, Philadelphia. Architects, Karcher and Smith, 34 South Seventeenth street, Philadelphia. Owner, James G. Leiper, on premises. Stone and frame, 2 stories, shingle roof, consists of small alterations. Architects have received bids.

Maternity Building, Forty-first and parrish streets, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, West Philadelphia Hospital for Women, on premises. Brick, stone, concrete and steel, fireproof, 3 stories, 92x52 feet, promenade tile roof, dampproofing, reinforcing bars, metal lath, elevator, tile and marble work, metal sash, metal doors and trimmings (plumbing, heating and electric work reserved). Architect taking approximate bids, due September 8th. F. L. Hoover & Sons, 1023 Cherry street, Philadelphia, are figuring.

Recreation Buildings, Westmoreland Park, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Phila., Board of Recreation, room 587. City Hall, Philadelphia. Consists of recreation building, 1 story shelters, iron fence, sodding, cement copings and grading, hollow tile and plaster, asbestos shingle and slag roofs, composition wainscoting, proposal bond (plumbing and electric work separate bids). Owners taking bids, due September 10th at noon. Plans may be obtained from architect on deposit of \$25.00. The following are figuring: Wm. Mundy, 228 South Alder street; Edward Fay & Son, 2 South Mole street; Peoples Bros., Commercial Trust Bldg.; W. W. Anstine & Co., 1218 Filbert street; H. E. Baton, Twelfth and Sansom streets; James H. Wells, Heed Building; F. W. Van Loon, Denckla Building; Mitchell Bros., 2125 Race street; Manwaring & Cummins, Hale Building, Philadelphia.

School (alts.), Walnut lane and Wissahickon avenue, Philadelphia. Architect, J. Horace Cooke, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Consists of new stone wall and grading. Owners taking bids, due September 10th at 1.30 P. M. The following are figuring: J. H. Jordan, Thirty-first and Oxford streets;

Mitchell Bros., 2125 Race street; Wm. Mundy, 228 South Alder street; Peoples Bros., Commercial Trust Building, Philadelphia.

School (add.), Thirtieth and Gordon sts., Philadelphia. Architect, J. Horace Cooke, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, 3 stories, 74x65 feet, slag roof, concrete fireproofing (heating, plumbing and electric work separate bids). Owners taking bids, due September 10th at 1.30 P. M. In addition to those previously reported, W. W. Anstine & Co., 1218 Filbert street; Abel Bottoms & Sons Co., 41 South Fifteenth street; James Connor, 1317 Arch street; Cramp & Co., Denckla Building, Wm. R. Dougherty, 1610 Sansom street; P. J. Hurley, 1233 Cherry st.; J. H. Jordan, Thirty-first and Oxford streets; Ketcham & McQuade, 1029 Brown street; Melody & Keating, Bailey Building; H. H. Wehmeyer, 1004 West Lehigh avenue; H. L. Brown, 1714 Sansom street, all of Philadelphia, are figuring.

Residences (3), Fourth street, near Duncan non avenue, Philadelphia. Architect, Paul L. Boyd, 211 East Willow Grove avenue, Chestnut Hill. Owner, Frank M. Bischoff, 5211 North Fourth street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, electric lighting, hot water heating. Plans completed. Owners will take bids. Geo. A. Boyd, 211 East Willow Grove avenue, is figuring.

Ice Cream Factory (add.), 806 to 810 Cumberland street. Architects, Koelle, Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., 900 Cumberland street, Philadelphia. Brick, 4 stories, 49x90 feet, slag roof, rolling steel doors, metal sash, elevator (electric work reserved). Owner taking an additional bid, due September 8th. Harry Gill, Jr., 2515 Germantown avenue, Philadelphia, is figuring.

Learn to advertise. If you feel unequal to the task of preparing the kind of copy you ought to have, let us prepare it for you. Advertising is our business. We are always glad to help men who are honest enough to concede that they do not know it all. And the service won't cost you a penny if you contemplate joining the army of "Guide" advertisers.

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alt. and add.), 261 South Seventeenth street, Philadelphia, \$2,600. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owner, Dr. Fielding O. Lewis, on premises. Brick, 3 stories, tin roof, oak floors, electric lighting, plumbing, tile work. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Stores and Offices, Eighteenth street below Market street, Philadelphia. Architect, Paul A. Davis, 3d., 1713 Sansom street, Philadelphia. Owner, J. C. Fuller, 10 South Eighteenth street, Philadelphia. Brick and limestone, 2 stories, 16x25 feet, slag roof, electric lighting, terrazzo and marble work, oak floors (heating reserved). Contract awarded to Charles McCaul Co., 1713 Sansom street, Philadelphia.

Office Building, Swanson street and Snyder avenue, Philadelphia, \$2,000. Architects, private plans. Owners, Publicker Ward Distilling Co., on premises. Brick, 2 stories, 20x35 feet, slag roof, reinforcing rods. Contract awarded to Joseph Levin, 1530 South Sixth

street, Philadelphia.

Storage Building, 5738 and 30 Cherry st., Philadelphia, \$20,000. Architect, private plans. Owner, J. M. Kennedy, 1001 Chestnut street, Philadelphia. Brick, 2 stories, 30x127 feet, slag roof. Contract awarded to C. H. Schwartz, 5703 Chestnut street, Philadelphia.

Showrooms, Broad and Arch streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, United Gas Improvement Co., on premises. Consists of remodeling first floors for showrooms. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Parish House (add.), D and Allegheny avenue, Philadelphia, \$11,000. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, St. Nathaniel's P. E. Church, Rev. George R. Miller, 715 East Allegheny avenue, Philadelphia. Stone, 1 story, 25x60 feet, consists of basement and first story only, slag roof, steam heating, electric lighting. Contract awarded to F. E. Wallace, 1220 Chancellor street, Philadelphia.

PENNSYLVANIA

Construction News

Hall, Apartments and Theatre, Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, P. O. S. of A., Washington Camp No. 542, Easton, Pa. Hall Building, brick and terra cotta, 3 stories, 130x44 feet; Apartment House, 4 stories, 37x45 feet, slag roofs, tile and terrazzo floors, metal lath, electric lighting, fire escapes, (plumbing and heating separate bids). Architect taking bids, due September 18th. The following are figuring: F. J. Lerch & Co., A. A. Bechtel, Howard Folkenson, Asa Smith & Son, George Lutz, all of Easton, Pa.; and Frank G. Stewart, 1619 Sansom street, Roydhouse-Arey Co., Fidelity Building, Philadelphia.

Street Paving, Chester, Pa. Engineer, private plans. Owners, City of Chester, care Joseph Messick, Jr., Superintendent of Streets, City Hall, Chester, Pa. Consists of about 30,000 square yards of street paving. Owners have received bids.

Sidewalks, Glenolden, Pa. Engineer, A. F. Damon, Jr., P. O. Building, Darby, Pa. Owners, Borough of Glenolden, Joseph W. Hopper, Secretary, Glenolden, Pa. Consists of about 14,000 square feet of cement sidewalks. Owners have received bids.

Residence, Lansdowne, Pa. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, C. N. Godfrey, care Architect. Hollow tile and plaster, 2½ stories, 37x27 feet, wing, 16x22 feet, slate or shingle roof, electric lighting, tile work (heating reserved). Architect has received revised bids.

Residence (alt. and add.), Laverock, Pa.,

\$40,000. Architect, Charles A. Platt, 11 E. Twenty-fourth street, New York City. Owner, Isaac T. Starr, 400 Chestnut street, Philadelphia. Brick and plaster, 2½ stories, slate, slag and canvas roofing, metal lath, oak floors, tile work, waterproofing (heating, plumbing and electric work reserved). Architect taking bids, due September 8th. J. S. Cornell & Son, Land Title Building, Philadelphia, are figuring.

Residence and Garage, St. Davids, Pa. Architect, H. Bartol Register, 1012 Walnut street, Philadelphia. Owner, Charles Henry Scott, Jr., Land Title Building, Philadelphia. Hollow tile and plaster, 2½ stories, 29x62 feet, shingle roof, hot air heating, electric lighting, hardwood floors, tile work. Architect taking bids, due September 10th. The following are figuring: F. B. Davis, 240 North Sixteenth street; Gray Bros., Rosemont, Pa.; Stokes Bros., 6723 Musgrave street; George & Borst, 277 South Eleventh street; Frank G. Stewart, 1619 Sansom street; Elfret & Wood, 1708 Sansom street.

Apartment House, Ogontz, Pa. Architects, Borzner & Wood, 721 Walnut street, Philadelphia. Owners, name withheld. Hollow tile and plaster, 3 stories, 70x28 feet, wing 27x40 feet, slate or tile roof, steam heating, electric lighting, oak floors, tile work. Architects taking approximate bids. F. B. Davis, 240 North Sixteenth street, Philadelphia, is figuring.

Residence (alt. and add.), Laverock, Pa., \$40,000. Architect, Chas. A. Platt, 11 E. Twenty-fourth street, New York City. Owner, Isaac T. Starr, 400 Chestnut street, Phila-

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.,
PHILADELPHIA, PA.



Our organization makes a
business of SATISFYING its
customers, not partially, but
wholly, in quality, promptness
and fair treatment.

T. S. Johnson's Sons Co. invites
the confidence of buyers who
are in the habit of accepting
promises as final and who expect
the utmost in returns from the
money they invest in Roofing
and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

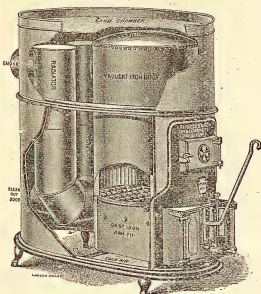
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect

Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

No matter how small or how large your kitchens, we have All-Gas Kitchen equipments to exactly meet your requirements.

Let us co-operate with you. We have ideas that will save you money.

Call up the "Builders and Operators Division."

Telephones

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

delphia. Brick and plaster, 2½ stories, slate, slag and canvas roofing, metal lath, oak floors, tile work, waterproofing (heating, plumbing and electric work reserved). Architect tak-

"NOVELTY" REMINDERS

"Novelty" Combination Coal and Gas Ranges

The "Yearound," "Junior Yearound" and "Duplex" Novelty's are the Most Compact, Complete and Convenient on the Market.

A Complete Coal Range and a Complete Gas Range condensed into the space of one. Four Cooking Holes for Coal and a Four-Burner Gas Cooking Top. Original in Design—Perfect in Construction—Economical in Operation. Write for our "Combination" Literature.

MANUFACTURED BY

ABRAM COX STOVE CO.

General Offices: AMERICAN AND DAUPHIN STREETS, PHILADELPHIA

ing bids, due September 8th. In addition to those previously reported, the following are figuring: F. L. Hoover & Sons, 1023 Cherry street; Milton W. Young, Overbrook, Phila.; and Warren E. Green & Co., 29 W. Thirty-eighth street, New York City.

Hospital Buildings, Farview, Pa., \$185,000. Architect, J. C. M. Shirk, 421 Chestnut street, Philadelphia. Owners, State Hospital for Criminal Insane, H. G. Ashmead, Secretary, room 284, City Hall, Philadelphia. Brick, stone and hollow tile, 1 and 2 stories, consists of ward H Building, dining rooms, kitchen, and generator room, slate roofs, enameled bricks, iron stairs, fire doors, metal lockers, metal lath, tile, marble and terrazzo work (heating, plumbing and electric work separate bids). Lowest bid submitted by P. J. Hurley, 123 Cherry street, Philadelphia.

Residence (alt. and add.), Wynecote, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, John C. Martin, Wynecote, Pa. Stone, 2½ stories, shingle roof, tile work, metal lath, oak floors (electric

work and heating reserved). Architects have received bids.

Ice Plant, Ardmore, Pa., \$5,000. Engineers, York Mfg. Co., York, Pa. Owners, Ardmore Ice Co., Ardmore, Pa. Brick, 1 story, 45x100 feet, slag roof, electric lighting. Plans in progress. Owners will take bids in about one month.

Residence, Moylan, Pa. Architects, Thomas B. Lippincott and Edward B. Delk, 34 South Seventeenth street. Owner, J. Passmore El-kinton, 121 South Third street, Philadelphia. Frame or hollow tile and plaster, 2½ stories, 51x27 feet, wing 15x14 feet, slate roof, hot water or hot air heating, electric lighting, oak floors. Architects have received revised bids.

Church, Darby, Pa. Architects, Hulme-Schless Co., 1594 Chestnut street, Philadelphia. Owners, Mount Zion M. E. Church, Darby, Pa. Stone, 1 story, 48x48 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about one month.

PENNSYLVANIA

Contracts Awarded

Station, Tunnels and Platform, Johnston, Pa., \$132,000. Architect, Kenneth M. Murchison, 101 Park avenue, New York City. Owners, Penna. Railroad Co., Broad St. Station, Philadelphia. Brick, granite and limestone, terra cotta and steel, fireproof, concrete fireproofing, 2 stories, 70x150 feet, slate, copper and slag roof, waterproofing, reinforcing bars, kalamein doors, metal lath, safety treads, iron stairs, tile, marble and terrazzo work, steam heating, elevators, electric lighting. Contract awarded to Wm. H. Fissell & Co., 1328 Broadway, New York City.

School Building, Gap, Pa., \$25,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Board of Education, Gap, Pa. Brick, 2 stories, 60x68 feet, slag roof, slate blackboards. Contract awarded to Joseph L. Aiken, Vintage, Pa.

Sewerage System, West Chester, Pa. Engineers, Remington & Vosbury, Sixth and Market streets, Camden, N. J. Owners, Borough of West Chester, West Chester, Pa. Contract awarded to M. & T. E. Farrell, West Chester, Pa.

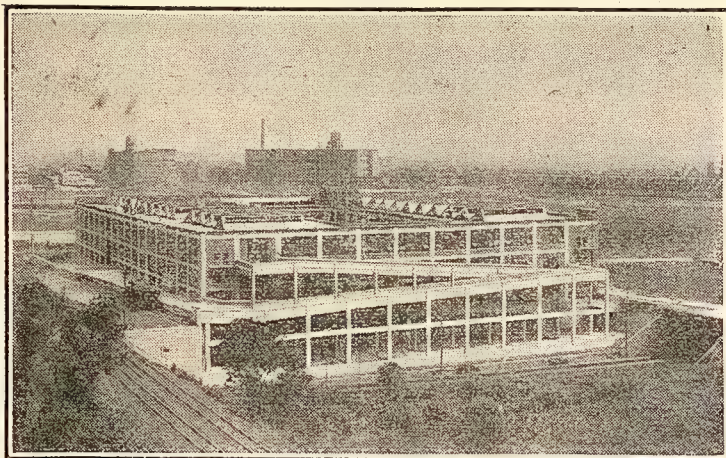
Home Buildings, Muncy, Pa., \$140,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, State of Penna., Home for Criminal Women, George Quintard Horwitz, chairman of committee, West End Trust Building, Philadelphia. Stone and brick, 2½ stories, 2 cottages, 109x38 feet each, 1 cottage, 90x70 feet, administration building and school, 153x54 feet, slate roofs, concrete fireproofing, waterproofing and damp proofing, slate blackboards, metal lath, canvas floors, (steam heating, electric lighting and plumbing separate bids). Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

NEW JERSEY Construction News

School (alt. and add.), Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owners, Board of Education, H. H. Young, Secretary, Atlantic City. Brick, terra cotta, reinforced concrete and steel, fireproof, 3 stories, 90x150 feet, slag and slate tile roofing, metal sash, kalamein doors, metal lath, slate blackboards, metal lockers, dampproofing and waterproofing, composition flooring, safety treads, tile and marble work, weather strips. Owners taking bids, due September 9th at 5 P. M. In addition to those previously reported, H. E. Baton, Twelfth and Sansom sts., Philadelphia, is figuring.

School Building, Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, Secretary, Berlin, N. J. Brick, 1 story, 75x160 feet, slate roof, (warm air heating, plumbing and electric work separate bids). Plans completed. Owners ready for bids.

School Building, West Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, Secretary, Berlin, N. J. Brick, 1 story, 75x60 feet, slate roof (warm air heating, plumbing and electric work separate bids). Plans completed. Owners ready for bids.

Storehouses (2), Camden, N. J. Architect, private plans. Owners, New York Shipbuilding Co., Camden, N. J. Brick and steel, concrete foundations, 1 story, 80x200 feet and 88x50 feet, asbestos roof, metal sash. Owners have received bids.

Cottage (alts.), Atlantic City, N. J. Architects, E. F. Durang & Son, 1200 Chestnut st., Philadelphia. Owner, J. J. Sullivan, Witherpoon Building, Philadelphia. Hollow tile, brick and plaster, 2½ stories, consists of refacing exterior, promenade tile porch. Plans completed. Architects will take bids in a few days.

Pumping Station, Burlington, N. J. Engi-

neer, W. E. S. Temple, Swarthmore, Pa. Owners, City of Burlington, Burlington, N. J. Brick, 1 story, asbestos shingle roof, expanded metal and concrete work (electric work separate bids). Owners have received bids.

Factory Building, Camden, N. J. Architect, Henry Boettcher, care owners. Owners, Armstrong Cork Co., Lancaster, Pa. Brick and steel and concrete, 2 stories, 220x94 feet, gravel roof, fire doors, kalamein doors, reinforcing rods (steel work, ornamental iron, heating, plumbing, electric work, painting, steel rolling doors and steel sash reserved). Owners taking bids, due September 13th. Barclay White & Co., Perry Building, Philadelphia, are figuring.

School (alt. and add.), Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owners, Board of Education, H. H. Young, Secretary, Atlantic City. Brick, terra cotta, reinforced concrete and steel, fireproof, 3 stories, 90x150 feet, slag and slate tile roofing, metal lath, metal sash, kalamein doors, slate blackboards, metal lockers, dampproofing and waterproofing, composition flooring, safety treads, tile and marble work, weather strips. Owners taking bids, due September 9th at 5 P. M. In addition to those previously reported, Irwin & Leighton, 126 North Twelfth street, Philadelphia, is figuring.

High School, Wildwood, N. J., \$75,000. Architect, Clyde S. Adams, 1309 Arch street, Philadelphia. Owners, Board of Education, W. C. Todd, Secretary, Wildwood, N. J. Brick, concrete floors, 2 stories, 118x136 feet, asbestos or slag roof, safety treads, metal lath, kalamein doors, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due September 14th. In addition to those previously reported; The Franklin Construction Co., 401 Bulletin Building, Philadelphia; H. J. Wenzelberger, Phillipsburg, N. J., and W. R. Titus, Woodbury, N. J., are figuring.

Professionals' House, Summer, N. J. Arch-



EXPERIENCE and organization enable us to execute building contracts thoroughly.

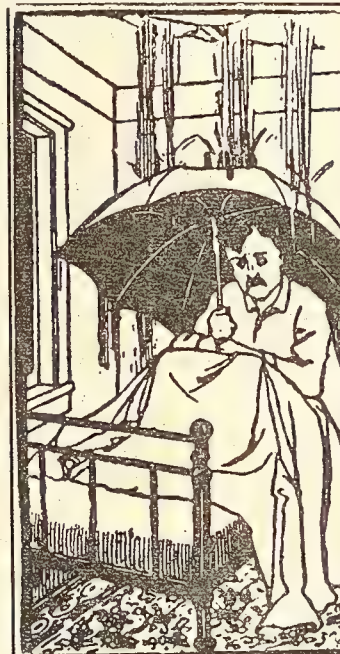
Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.

North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

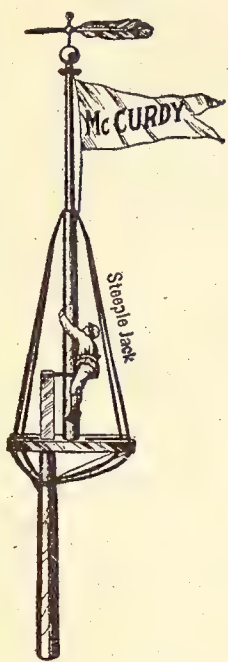
The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



FLAG POLES and Fittings

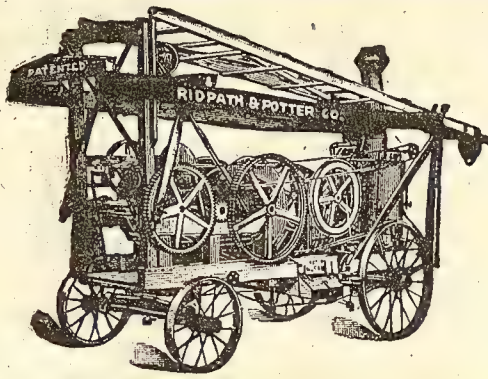
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

**STEEPLEJACK
CANVAS ROOFING**

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

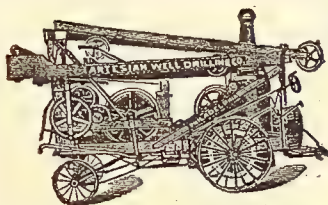
RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

steam heating, waterproofing, (4) steel stacks, reinforcing rods, metal lockers, kalamein doors. Owners taking bids, due November

17th at 10 A. M. Metzger & Fisher, Denckla Building, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

MARYLAND Construction News



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.

itect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Pine Valley Golf Club, Summer, N. J. Frame, 2 stories, 36x24 feet, shingle roof, hot air heating. Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Miscellaneous Construction News

Residence, Wilmington, Del. Architect, Albert W. Dilks, 1001 Chestnut street, Philadelphia. Owner, H. M. Barksdale, Dupont Building, Wilmington, Del. Brick, 2½ stories, 53x33 feet, wing 22x17 feet, shingle roof, electric lighting, tile work (heating reserved). Contract awarded to A. S. Reed & Bro. Co., 815 Shipley street.

Central Power Plant, Washington, D. C. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Brick and steel and concrete, 1 story, 178x125 feet, asbestos steel roof, metal sash, iron stairs, electric lighting,

Y. W. C. A. Building, Franklin street, Baltimore, Md. Architects, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Y. W. C. A., Miss I. H. Harman, secretary, Park avenue and Franklin street, Baltimore. Brick, stone and steel, fireproof, 7 stories, 68x140 feet, slag roof, steam heating, electric lighting, elevators, tile and marble work, concrete fireproofing. Architects will receive bids, due September 11. Note change in date. Irwin & Leighton, 126 North Twelfth street, Philadelphia, is figuring.

Building, Baltimore, Md. Architects, Smith & May, Lake Drive and Broogfield avenue, Baltimore, Md. Owners, Lee S. & Benjamin Meyer, Baltimore, Md. Brick, 4 and 5 stories, 68x105 feet. Architects taking bids, due September 14. The following are figuring: West Construction Co., Consolidated Eng. Co., Coggsell Koether Co., Blake & Engle, Burns & Russell, John Waters, C. L. Stockhausen, all of Baltimore, Md., are figuring.

Store Building, Baltimore, Md. Architect, Theo. Wells Pietsch, American Building, Baltimore, Md. Owner, J. Marshall Thomas, Baltimore, Mr., 518 Charles street. Brick, 2 stories, slag roof, marble work, steam heating. Architects taking bids, due September 15th.

Dwelling, Guilford Park, Md., \$30,000. Architect, Howard Sill, Baltimore, Md. Owner, Jesse Boynton, 7 Northfield place, Baltimore, Md. Stone, 2½ stories, slate and tile roof (heating and plumbing reserved). Contract awarded to Gladfelter & Chambers, Baltimore, Md.

Dwelling, Sardour Station, Md., \$10,000. Architect, Edw. H. Glidden, Baltimore, Md. Owner, Col. C. A. Doyen, Annapolis, Md. Brick, 2½ stories, 40x60 feet. Contract awarded to Burns & Russell, Baltimore, Md.

Dwelling, Guilford Park, Md. Architects, Mottu & White, Baltimore, Md. Owner, Howard Adams, 605 North Charles street, Baltimore, Md. Brick, frame and stucco, 2½ stories, 45x51 feet, slate roof, marble and tile work (heating, plumbing and electric work separate bids). Contract awarded to M. C. Davis, Baltimore, Md.

Engine Houses (3) (alts.), Baltimore, Md.

The following are figuring: Morrows Bros., George Bunnecke & Son, William Ferguson & Bro., L. Schoenlein & Son, John S. Busick, Fred Decker & Son, R. B. Mason, Burns & Russell, Consolidated Engineering Co., West Construction Co., all of Baltimore.

Bank Building, Forrest Hill, Md. Architect, Otto G. Simonson, Baltimore, Md. Owner's name withheld. Brick, 23x43 feet, slate roof, steam heating. Plans in progress. Owner will take bids shortly.

Immigration Station, Baltimore, Md. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Stone, terra cotta, reinforced concrete and steel, fireproof. Hospital building, 4 stories, 130x40 feet; administration building, 33 stories, 100x40 feet; receiving and detention building, 2 stories, 53x150 feet; power house and laundry building, 2 stories, 56x37 feet, slag roof, promenade tile, tin and slate roofs, reinforcing bars, safety treads, waterproofing, wire cloth, tile work, metal weather strips (heating, plumbing, electric lighting, elevators, separate bids). Lowest bids submitted by William C. Doll, Cleveland, Ohio.

MARYLAND Contracts Awarded

Architect, private plans. Owners, City of Baltimore, Md. Consists of general alterations. Contract awarded to H. Chambers Co., Baltimore, Md.

Engine Houses (5) (alts.), Baltimore, Md. Architect, private plans. Owners, City of Baltimore, Md. Consists of general alterations. Contract awarded to William A. Parr, Baltimore, Md.

Engine Houses (6), Baltimore, Md. Architect, private plans. Owners, City of Baltimore, Md. Consists of general alterations. Contract awarded to Charles W. rant, Baltimore, Md.

Garage, Dolphin and Pennsylvania avenue, Baltimore, Md. Architect, F. E. Beall, Baltimore, Md. Owner, E. E. Ottenheimer, 327 Law Building, Baltimore, Md. Brick, 1 story, 425x180 feet, slag roof, metal sash, concrete oors. Contract awarded to H. W. Thomas, 2015 Slingluff avenue, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Lewis Schultz (O), 3217 Wakeling street. Anton Ahlers (C), 3425 Howell street. Cost, \$4,000. Two dwellings, brick, 2 stories, 14x40 feet, Edmond and Wakeling streets.

Samuel Stubbs (O), 126 West Courtland street. Cost, \$1,900. Dwelling, brick and stone, 2 stories, 16x40 feet, 107 Courtland street.

Bennett & Aspden Co. (O), Levering and Baker streets. Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$100,000. Manufacturing building, brick and concrete, 4 stories, 225x193 feet, Pechin and Krams avenue.

Mrs. C. Bopp (O), 2935 Hickory street. J. J. Hefferman (C), 8513 Frankford avenue. Cost, \$2,000. Dwelling, brick, 2 stories, 18x30 feet, Frankford avenue and Linden street.

Margolin & Block (O), Fifth and Walnut streets. G. P. Reich (C), 1112 Loudon street. Cost, \$30,000. Six stores and dwellings, brick, 3 stories, 16x48 feet, Old York road and Ruscomb streets.

Joseph B. Friedman (O), 2135 North Seventeenth street. Cost, \$18,000. Ten dwellings, brick, 2 stories, 15x52 feet, A and Wellens streets.

Armstrong & Wiley (O), 300 Penn Square Building. Cost, \$218,400. One hundred and

twenty-one stores and dwellings, brick, 2 stories, 16x31 feet, Woodstock and Conlyn streets.

Harry H. Heist (O), Eighteenth and Pike streets. Cost, \$39,000. Eighteen dwellings, brick, 2 stories, 16x40 feet, Sixty-fifth and Limekiln pike.

E. B. Hampton (O), S and Westmoreland streets. Cost, \$16,900. Eight dwellings, brick, 2 stories, 15x37 feet, B and Westmoreland streets.

Herbert H. Downsborough (O), Forty-sixth and Pine streets. Cost, \$118,200. Twenty-eight dwellings, brick, 2 stories, 15x46 feet, Sixty-second and Webster streets.

Jas. Connolly (O), 1312 North Sixteenth street. Cost, \$1,000. Stable, brick, 2 stories, 22x28 feet, Sixteenth and Seybert streets.

J. M. Kennedy (O), 1001 Chestnut street. C. H. Schwartz (C), 5703 Chestnut street. Cost, \$20,000. Storage building, brick, 2 stories, 30x127 feet, 5738-40 Cherry street.

John A. Irvin (O), Buena Vista, Sixty-third and Oxford streets. A. L. Frétz & Sons (C), 1222 Chancellor street. Cost, \$16,000. Dwelling, stone, 3 stories, 43x51 feet, Sixty-fourth and Drexel road.

tian (C), 4030 Paul street. Cost, \$900. Church, 4255 Paul street.

Dr. Fielding O. Lewis (O), 261 South Seventeenth street. R. C. Ballinger (C), 218 North Thirteenth street. Cost, \$2,600. Dwelling, 261 South Seventeenth street.

Publicker Ward Dist. Co. (O), Swanson and Snyder avenue. Jos. Levin & Co. (C), 1530 South Sixth street. Cost, \$1,900. Offices, Swanson and Snyder avenue.

Mrs. E. T. Griswold (O), 1500 Spruce street. J. S. Cornell & Sons (C), Land Title Building. Cost, \$1,500. Residence, 1500 Spruce street.

Gulf Refining Co. (O), Morris Building. Scott M. Hahn (C), Glenside, Pa. Cost, \$3,200. Warehouse, Snyder avenue and Vandalia street.

L. & L. Renceldo (O), 6400 Vine street. Geo. J. Clarke (C), Sixth and Spruce streets. Cost, \$1,000. Store and dwelling, 6404 Vine street.

Pfiffer & Milgram (O), 1833 South Fourth street. Abe Kaplan (C), 640 Wolf street. Cost, \$3,000. Dwelling, 1919-43 South Isenminger street.

De. Wm. Speakman (O), 1835 Chestnut street. John F. Holland (O), 309 South Fifty-first street. Cost, \$750. Offices, 1823 Chestnut street.

Pennsylvania Railroad Co. (O), Broad Street Station. Brann & Stuart Co. (C), 311 Commercial Trust Building. Cost, \$4,000. Tank, Delaware avenue and Wharton streets.

Powers, Weightman & Rosengarten (O), Ninth and Parrish streets. Cost, \$800. Shipping room, Ninth and Parrish streets.

Michler Gesualdo (O), 1518 Moore street. P. Giovdano (C), 724 Salter street. Cost, \$425. Dwelling, 1518 Moore street.

C. F. Keller (O), 840 North Forty-third street. Chas. Kinzler (C), 726 Brooklyn street. Cost, \$500. Dwelling, 4502 Wyalusing avenue.

Wm. McDonald (O), 5906 Lansdowne avenue. H. W. Bright (C), 1216 North Thirteenth street, Camden, N. J. Cost, \$800. Dwelling, 5906 Lansdowne avenue.

Dr. P. Assante (O), 821 Christian street. Strawbridge & Clothier (C), Eighth and Market streets. Cost, \$4,000. Dwelling, 1335 South Broad street.

Mrs. Elizabeth M. Huehn (O), 4901 Knox street. H. E. Sweger (C), 4435 North Uber street. Cost, \$5,000. Garage, 4908 Royal street.

Mrs. Philip Cassases (O), Lansdowne, Pa. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$1,400. Store and dwelling, 2412 Germantown avenue.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—“Municipal Engineering.”

Philadelphia is one of the busiest building centers in the United States and “The Guide” is the only medium that touches this golden field.

Alterations and Additions

Pennsylvania Railroad Co. (O), Philadelphia. Walter E. Duncan, 4902 Woodland avenue. Cost, \$500. Building, 1801 Filbert street.

East Park M. E. Church (O), Twenty-ninth and Fletcher streets. B. F. Virdin (C), 2917 Fletcher street. Cost, \$800. Church, Thirty-seventh and Morse streets.

Dr. H. A. Clement (O), 1627 Walnut street. Jos. Price (C), 2048 Rittenhouse street. Cost, \$400. Office, 1627 Chestnut street.

J. P. Maher (O), 2733 West Lehigh avenue. Cost, \$2,200. Garage, 2539-41 West Huntingdon street.

J. Walperd (O), 1930 South street. B. Bornstein (C), 1510 North Franklin street. Cost, \$750. Store and dwelling, 1935 South street.

J. M. Strawbridge (O), Drexel Building. H. E. Grau Co. (C), 1707 Sansom street. Cost, \$300. Offices, Thirteenth and Chestnut sts.

Benj. Alexander (O), Hale Building. E. J. Kreitzburg (C), 1345 Arch street. Cost, \$400. Store building, 114 North Juniper street.

S. From (O), Spencer and Seventeenth streets. Harry H. Yerger (C), 4430 North Nineteenth street. Cost, \$500. Dwelling, Seventeenth and Spencer streets.

Leon Marciniak (O), 2638 Margaret street. F. Gregouk (C), 3185 Edgemont street. Cost, \$400. Store and dwelling, 2368 Margaret street.

Wm. D. Lelar (O), 731 South Third street. C. C. Taylor (C), 1608 South Ninth street. Cost, \$500. Dwelling, 216 Siegel street.

M. Weiss (O), 4227 Ridge avenue. Morris Bakst (C), 1540 North Sixth street. Cost, \$3,100. Store and dwellings, 4227-31 Ridge avenue.

Bernstein Co. (O), Third and Allegheny avenue. Dorsey & Smith (C), 111 North Eleventh street. Cost, \$800. Manufacturing building, Third and Allegheny avenue.

W. A. Ennis (O), 1130 Vine street. Geo. F. Pawling & Co. (C), Broad and Vine streets. Cost, \$3,000. Shop, 4330 North Broad street.

Lewis King (O), 928 Pine street. C. A. Legates (C), 322 North Gross street. Cost, \$300. Dwelling, 1126 Pine street.

Jake Sydman (O), 1907 South Fifth street. L. Werner (C), 2419 South Darien street. Cost, \$300. Dwelling, 1907 South Fifth street.

J. Goosenberg (O), 822 North Seventh street. K. Jaffa (C), 960 North Seventh street. Cost, \$550. Store and dwelling, 5172 Viola street.

Andrew Brown (O), 1835 East Tioga street. Christian Dear's Sons (C), 219 Northeast Boulevard. Cost, \$1,100. Dwelling, 1212 East Venango street.

E. Miller (O), 2346 South Seventh street. Samuel Katz (C), 605 Morris street. Cost, \$400. Store and dwelling, 2346 South Seventh street.

Ed. Cloutch (O), 1902 Spring Garden street. Jos. Tomlinson (C), 1710 West Venango street. Cost, \$500. Store, 1200 North Fourth street.

Dr. Geo. A. Magee (O), 2823 North Broad street. Geo. S. Boyd (C), 211 E. Willow Grove avenue. Cost, \$1,150. Dwelling, 2823 North Broad street.

Turnbull Estate (O), 104 Market street, Camden, N. J. F. T. Mercer Co. (C), 1706 Delancey street. Cost, \$435. Dwelling, 237 South Thirteenth street.

Lifter Co. (O), 5159 Columbia avenue. Frank & Kaiser (C), 1522 South Sixth street. Cost, \$300. Dwelling, 5159 Columbia avenue.

Philadelphia Steel & Forge Co. (O), Milnor and Bleigh streets. Wm. L. Brewster (C), 181 West Loudon street. Cost, \$1,000. Mill, Milnor and Bleigh streets.

Pennsylvania Railroad Co. (O), Philadelphia. John N. Gill & Co. (C), Heed Building. Cost, \$3,730. Car shop, Reed and Delaware avenue. Cost, \$5,135. Piers 48 and 58 South Wharves.

Chas. E. Harrison (O), 400 Chestnut street. Basch & Co. (C), 1426-36 South Front street. Cost, \$300. Store, 920 Chestnut street.

C. Brown (O), 4030 Paul street. Ed. Chris-

THE ENGINEER AND THE CONTRACTOR—THEIR RELATION ON THE JOB

The engineer or architect is able to plan great structures and large engineering schemes, but when it comes to the erection of these structures or the methods adopted in carrying these feats to successful conclusion, this work usually devolves upon the contractor.

The contractor occupies a peculiar position in that, to be successful, he has to be possessed of a temperament and faculties not required in the average profession. In other words, the successful contractor meets and has to contend with more obstacles in his work than falls to the lot of the average business man or merchant, and in addition he has to be able to manage and direct his office affairs and the work of his employees in such a way that for every dollar spent on his work he hopes to receive more than one hundred cents in return.

The engineer has a great many advantages in planning a great enterprise over that enjoyed by the contractor; usually he is not limited in the time taken in drawing his plans and specifications, and has ample opportunity to investigate all conditions and make researches prior to the time when bids are called for, but the time allotted to the contractor for preparation of this bid is usually very short, and often a sufficient period is not allowed him for investigation of conditions, etc., source of supply of labor and material, and other important considerations which go to make up the bids prior to the opening of the same.

It has been said, and truthfully so, that a successful contractor must have three qualifications: First, Faith; second, Hope; and third, Nerve, and of these three virtues (if they may be so termed), it seems to me the latter is the most important.

First, contractors as a general rule usually know the men at the head of all large engineering schemes, upon which they bid and have faith in their judgment, and accept without question their plans and specifications as being correct, and the result of months and probably years of study, and rely in a great measure upon their judgment.

Second, they hope in event of securing a contract, to be favored with such conditions when the work is under way, as will enable them to make money legitimately, because you will find that the average contractor doing business to-day, is honest, and he takes a certain amount of pride in his work (although in this, as in all cases, there are exceptions to the general rule), and he hopes when certain conditions and questions arise, during the progress of the work, and the matter under discussion put up to the Chief Engineer or other official in authority, that he will be big and broad enough to look at the situation from the contractor's standpoint, as well as

from the viewpoint of the municipality or corporation by whom he is employed.

Third, to undertake large contract work requires considerable nerve, because usually if conditions are favorable and the prices at which the contract has been secured are reasonable, and the specifications liberally construed by fair-minded engineers the contractor sometimes makes money, but oftentimes when unforeseen conditions arise during the progress of the work, materials and labor advance, extremely rigid and arbitrary interpretations are given to the specifications, impractical and unreasonable inspectors placed on the work, and various other obstructions put in the contractor's way (sometimes by those directly interested in the contract, and at other times by disinterested parties), it requires considerable nerve on the part of any man to continue the business of contracting in order to make a living.

Practically all recent works of great magnitude have been let by contract, with one exception, that being the Panama Canal, which was constructed by the Government, under the supervision of army engineers who had practically an unlimited amount of money at their disposal, and who were not hindered in any way in the expenditure thereof; their motto being, "Build the Canal, build it well, and at any cost."

Great works like the increased water supply for New York City, the New York Barge Canal, the reclaiming of millions of acres of land in the West, the improvement of our rivers and harbors, and even down to our own local improvement, such as the water supply, the building of our sewers, paving of the streets, covering of the falls, building of the docks, extensions of parks, improvement in terminal facilities of the various railroads leading into the city, the improvement of our State highway system, erection of municipal buildings, etc., have all been let by contract, for the reason, no doubt, that those in authority recognize that where possible, it is much better to have the work done by this method than under the day labor system.

The work is done as well under the contract system as if it is performed by day's work, and oftentimes better, because on day labor work done by a State, municipality or corporation, usually there are no rigid specifications in effect and practically no inspections (except when the engineer happens to be on the work) and many things are done which would not be tolerated for a moment if the work was being done under contract; furthermore, the engineer on contract work has less worry (this being shifted to the contractor's shoulders), and the last, but not least reason is that it is almost universally conceded that work done by contract is done far cheaper than if performed by the day labor method.

A prominent engineer once remarked that "specifications were only made for rogues and thieves, that honest men did not need any specifications; he meant this, however, to be interpreted in a broad way.

The clauses in a set of specifications as written by the average engineer are not always clear and intelligible to the average contractor, and anyone who engages in contracting work now, if he wants to be "up-to-date" should take a course in law also, so as to be able to reason out the intent of some engineers who write specifications, because some specifications of to-day if literally construed as written, could place an average contractor in receivers' hands in a short time, unless he had an unlimited amount of money at his disposal.

Take the usual set of specifications as issued to-day for public work to reputable attorneys and ask them to give you an unbiased opinion of its contents, and ninety-nine out of one hundred will tell you that you would be foolish to sign a contract with such clauses incorporated therein, because it is so written to provide all the safeguards possible for the municipality and to place the responsibility for everything that may happen, even including the acts of Providence, upon the contractor.

In other words, they bind the contractor hand, foot, body and soul, because some specifications have almost every possibility and condition between the heaven and earth, and even into the depths of the same covered by a clause which they can point out, which covers the disputed point when questions arise, but contractors must live, and some in their eagerness to secure work would sign any contract and specifications no matter how definite or unreasonable it was.—"Engineering News."

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scrimper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

MADE IN THE U. S. A.

With the wave of industrialism in America that has followed the European war is the demand for a universal trade mark, "Made in U. S. A." Recognizing the need of a trade mark that will be uniform for all industrial organizations in the country, the Detroit Board of Commerce has offered a prize of \$500 for the best design of trade mark. The trade mark desired is to represent any town wherein it is used, of course bearing that town's name. The prize, however, is offered for the "Made in Detroit" trade mark.

The rules of the contest state specifically that the trade mark must be national in its character, but that space must be provided for the name of any city.

Committee of the Board of Commerce has sent contest rules and information to leading designers and artists throughout the United States, as well as to newspapers and magazines.

"We see in this contest a means in gaining a widespread support to the movement of American goods for American people," said Mr. Charles B. Warren, president of the Detroit Board of Commerce. "Our purpose is not simply to label American made goods and to show the people of the world and our own people that American manufacturers are proud of the goods they make. At this time when the war in Europe has cut down our imports of foreign goods and when our own manufacturers are distributing American made goods to all parts of the world in larger quantities than ever before, American industries have the greatest opportunity to build up an industrial prestige for United States. It has seemed to the Detroit Board of Commerce that this prestige can best be gained through the universal use on American made goods of the "Made in U. S. A." trade mark.

"We have felt that the movements in this direction which have already been started lack organization. Nothing really definite has been done. True, some "Made in U. S. A." organizations have been started. Some individuals and a number of publications have given impetus to the movement. But we can never secure the proper marking of American made goods without a trade mark, and the Detroit Board of Commerce is to initiate the movement in this direction.

"It is an actual fact that the United States manufactures many things in every way superior to the same product made abroad. But here in the United States we have been buying goods simply because they were imported. We have been hypnotized by the idea that a thing made in Europe is better than the same thing made in the United States. The European war has forced us to an awakening. The opportunity is before us. We have only to take advantage of it by capitalizing the fact that the goods we use are made in the United States of America."

The trade mark which will be selected in

this contest which has been started in Detroit will not be copyrighted and will have no royalties attached to it. It is free to the American people. A gift from a patriotic organization in Detroit to everyone who is interested in promoting America's prosperity.

The following rules are to govern the contest:

1. Any person born in the United States or at the time of this contest a naturalized citizen of the United States shall be eligible to competition.
2. All designs shall be submitted on paper, or flexible board, 8½x11 inches.
3. All designs submitted in this contest must be of such character as to lend themselves to re-production in any size by all of the following methods:
A—Lithographic or color process printing.
B—Textile label in color.
C—Zinc re-production in one color.
D—Stencil.
E—Metal stamp or die.
4. All designs submitted must be shown in two forms of the same size—in full color, and in line.
5. All designs submitted in this contest must bear the following words: "Made in Detroit, U. S. A."
6. All designs must be strictly national in character. No design will be considered if it carries any feature of strictly local character.
7. The artist's name or initials shall not be integral part of any design submitted.
8. All sheets bearing designs submitted for this contest must have attached to them a plain sealed envelope containing the card with the artist's name and address.
9. All designs submitted in this contest will upon request be returned if postage is sent for that purpose.
10. All designs must be submitted to the "Made in Detroit, U. S. A." committee, Detroit Board of Commerce.
11. For the design selected by the judges the Detroit Board of Commerce will pay the sum of \$500.

Are you a regular subscriber to "The Guide"?

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

**The prosperous, the great, the wise,
You may have noticed, advertise!**

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

Don't lose your grip. Noah was 600 years old before he knew how to build an ark.

THE CONTRACTOR AND ENGINEERING PROBLEMS IN THE HOME.

One may have a house of elaborate design, architecturally a thing of beauty; a glorious addition to the landscape, the interior artistically furnished; but, if the plumbing, heating and lighting equipments are faulty the house remains unsatisfactory and loses its charming title of "home" to the occupants, and becomes merely an uncomfortable residence. It may also be absolutely dangerous to health and life from defective plumbing or heating, and seriously impair the health of the occupants by improper illumination.

It behooves the contractor, therefore, to thoroughly acquaint himself with the different system of heating and lighting, and the methods and materials to be employed to insure the installation of sanitary plumbing, heating, and lighting equipments, in order that he may not only satisfy the owner of the building he is erecting, but satisfy himself as well, that all has been done that lay in his power to safeguard the occupants from any improper or imperfect installation. This reason alone should be sufficient incentive to any builder to scan carefully all the advertisements in his trade magazine, as they constitute a liberal education in the arts and sciences relating to building, particularly when supplemented by catalogues, which any manufacturer or dealer will gladly send on a postal card request. Many contractors are content to go on year after year duplicating the heating or plumbing equipment in every house they build, principally because they have some "friend in the business" who can install the plant at a reasonable price, and they fail to give the efficiency of the plant a thought, nor do they care much whether there is anything better to be had or not.

The "friend in the business" may be honest enough in his intentions to give good value for the money received, but he, too, is likely to be shortsighted and adhere too closely to old ideals and customs, ignoring, entirely, improvements in apparatus and methods, no doubt more from ignorance than any exist, because of his lack of ambition to acquaint himself with modern methods, than from any real desire to adhere so closely to venerable systems.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States . . . \$5.00 a year
To all points in Canada . . . \$5.00 a year
To all points in Europe . . . \$5.00 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., SEPTEMBER 8, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brookie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klaunder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Meller
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

Building activity in Philadelphia continues to establish new records. According to figures compiled from the official records by William W. Gamble, statistician in the Bureau of Building Inspection, the estimated total of expenditures for building in Philadelphia during August is the highest that has been reached in the same month since 1911.

Permits aggregating 882 were granted for 1486 operations. During the first eight months of 1915, 6223 permits were granted for 12,797 operations at an estimated cost of \$16,719,955, as compared with 6888 permits for 11,492 operations, costing \$28,620,660.

One hundred and five two-story dwellings were erected during last month at a cost of \$1,363,725; sixty-two garages, \$108,105; three schools, \$608,000, and one place of amusement, \$37,000. Four factories were begun during the month. They will cost \$214,000.

The complete monthly report for building operations follows:

Character	Permits	Opera- tions	Est- Cost
Dwelling, one story	1	1	3,500
Dwellings, two story	105	604	1,363,725
Dwellings, three story	32	123	637,050
Dwellings, frame	4	4	6,500
Stables	7	7	16,975
Manufactories	4	4	214,000
Workshops	6	6	19,600
Garages	62	62	108,105
Office buildings	1	1	1,300
Stores	4	5	14,600
Warehouses	6	6	259,400
Engine and Boiler Houses.	2	2	5,000
Schools	3	3	608,000
Hall	1	1	9,500
Place of Amusement	1	1	37,000
Miscellaneous buildings	16	16	58,455
Additions	153	155	301,135
Alterations and repairs	272	281	243,765
Miscellaneous work	160	161	31,685
Heaters	28	29	11,215
Fire-escapes	6	6	4,215
Signs	7	7	1,900
Rooming house	1	1	37,000
Totals	882	1486	\$3,993,625

The building inspectors' conference held in New York recently is bearing results in a movement to bring about uniformity in the building codes of the several states. Twenty-nine men, nineteen of them city building inspectors and ten others connected with state inspection, chose Rudolph P. Miller, building inspector of New York City, as permanent chairman, and Sidney J. Williams, building inspector of Madison, Wis., secretary. It was voted to form an independent organization to hold an annual conference in association with the meetings of such bodies as the American Institute of Architects, the National Fire Protection Association, the American Concrete Institute, National Association of Builders'

Exchanges, etc. The second conference is to be held in some Western city in 1916.

The conference adopted a resolution for the more general use of automatic sprinklers and a second one favoring the requirement of a certificate of occupancy issued by the building department to prevent the use of a building for any purpose of which it is not suited.

The principal discussion of the meeting was precipitated by an article by P. J. Carlin, building inspector of Brooklyn, N. Y., favoring the wider use of hollow tile construction, and in this connection a consideration was given to the 1915 specifications for hollow tile wall construction, as published by the Hollow Building Tile Manufacturers' Association, suggested for incorporation in municipal codes. Mr. Carlin held that the working stress for hollow tile should be not less than 50 pounds per square inch for end construction, nor more than 30 pounds per square inch for side construction for grass area, while Virgil G. Marani, former building inspector of Cleveland, urged the necessity of one specification for both end and side construction.

* * *

Mr. Marani further explained the results of test data on both types of construction, citing that the failure of any properly proportioned masonry wall was due to the failure of the mortar joints. Reference was made to the test in Chicago in May, 1912, where a common brick wall, laid in good lime mortar, failed at 279 pounds per square inch, whereas a properly constructed hollow tile wall laid on a side construction with cement mortar, failed at 1333 pounds per square inch of net area (available web section). He also opposed a minimum web thickness of one inch, claiming that the proportional thickness of 15 per cent. between web and void secured the proper thickness automatically.

Secretary Williams raised the objection that a working stress of 350 pounds per square inch was too high and Mr. Marani agreed that the loading might be reduced to 250 or 200 pounds without serious damage to the recognition of hollow tile as a building unit for bearing walls.

It may be interesting to architects to give these specifications in full. The specifications according to Charles T. Harris, secretary of the Hollow Tile Association, 824 Engineers Building, Cleveland, are the result of three months' careful work on the part of the committee on specifications and codes, and are based on experiments by individual manufacturers and experience in the use of hollow tile over a number of years. These requirements based on tests and use are considered by the association as securing the best in hollow tile material and construction up to date. "Our requirements regarding loads and absorption are higher than general practice in use and higher than the absorption necessary for average construction. It is the idea of

the association to set a high standard of excellence and make requirements severe rather than lax." The specifications follow:

SECTION I.

"The provisions of this Section governing the character and use of Hollow Building Tile and Hollow Brick, shall apply to all buildings and structures, or parts of buildings and structures, using Hollow Building Tile or Hollow Brick within the 'Fire Limits.'

"A. Terra Cotta Hollow Building Tile, or Hollow Brick may be used as structural material for all bearing and non-bearing walls; for the enclosure walls of steel or concrete skeleton structures, where the walls are supported at each story upon steel or concrete beams or girders; and for all Fire, Party and Foundation walls.

"B. All tile shall be true, straight and free from objectionable cracks, shall be well burned and of sufficient hardness not to absorb more than ten (10) per cent. of their weight of moisture in a forty-eight (48) hour absorption test, and shall have an ultimate crushing strength of not less than three thousand (3,000) pounds per square inch of net web area tested.

"C. No tile in any wall shall be loaded, including all live and dead loads, so as to exceed two hundred (200) pounds per square inch of their bearing members. Bearing members, as herein mentioned, shall mean only such vertical shells or webs of the tile as will rest on thorough mortar beds and stand in complete vertical alignment with the vertical bearing members of the adjacent tile below.

"D. No hollow tile shall contain any void whose cross section dimension, measured at right angles to the web or shell, is more than four (4) inches, and the vertical webs and shells of all tile used for all bearing walls shall have a thickness of not less than fifteen (15) per cent. of the measurement across the void enclosed by such shells or webs.

"E. All tile shall be thoroughly bedded in mortar composed by volume of one (1) part of Portland cement, and not more than three (3) parts of clean, sharp sand, to which may be added not more than ten (10) per cent. by volume of lime paste.

"F. All tile shall be so laid and bedded that the wall throughout will be thoroughly bonded. Where a brick facing is used, the brick shall be firmly bonded into the tile backing by a full brick header course not further apart than every seventh course of brick. Each such brick header shall bond onto and overlap not less than two bearing shells or webs of the tile, and shall be so bedded in mortar as to form an integral part of the bearing wall.

"G. When the brick facing of any tile wall is not bonded by a masonry bond, as specified in paragraph 'F,' then such brick facing shall not be considered as part of the supporting wall when computing the bearing value of such wall.

"H. All joists or beams seated in or upon tile walls shall extend into the wall so as to rest on not less than two (2) of the bearing

members of the tile running parallel with the wall face.

"I. All Fire, Bearing, and Exterior walls of tile, built within the fire limits, shall conform in height and thickness to the required dimensions for solid brick walls for the respective classes or purposes.

"J. Tile used in the construction of Fire and Party walls shall be of such design that in a cross section through the wall there shall be not less than four (4) columns of tile bearing members, extending parallel with the face and for the full length and height of such walls. No vertical joints shall extend unbroken through the entire thickness of any Fire or Party wall and all openings or offsets shall be constructed of tile having closed ends, or in tile with open ends, the openings shall be completely filled with fireproof material of a thickness back from the face of the opening not less than the required thickness of the wall.

"K. Tile foundation walls for all buildings shall not be less than four (4) inches thicker than the required thickness of wall for the first story above, but no foundation wall in any building containing hollow tile, shall be less than twelve (12) inches thick.

SECTION II.

"The provisions of this Section governing the character and use of Hollow Building Tile and Hollow Brick, shall apply to all buildings and structures, or parts of buildings and structures, using Hollow Building Tile or Hollow Brick outside the 'Fire Limits.'

"A. All Fire walls of tile, built outside the fire limits, shall conform to all of the requirements of Section I, relating to the quality of tile, character of construction and thickness of Fire walls.

"B. All bearing, exterior, and foundation walls of tile in buildings outside the fire limits, shall conform to the requirements of Section I, relating to the quality of tile and character of construction, and shall be of not less than the following thicknesses: For a one-story building 6 inches; for a two-story building, 1st story 8 inches; 2d story 6 inches; for a three-story building, 1st and 2d story 8 inches; 3d story 6 inches; for a four-story building, 1st story 12 inches; 2d and 3d story 8 inches; 4th story 6 inches.

"C. The wall specified in this Section, Paragraph 'B,' shall not exceed thirty (30) feet in length unless braced or supported by cross partitions, cross walls, pilasters, buttresses or independent supporting columns or piers.

"D. Tile foundation walls for all buildings shall not be less than four (4) inches thicker than the required thickness of wall for the first story above, but no foundation wall in any building, containing hollow tile, shall be less than twelve (12) inches.

SECTION III.

"The Bureau of Buildings may conduct proper tests to determine the compressive strength of hollow tile, or the density of hollow tile by the absorption test.

"A. All tests shall be conducted according to established standard methods for such tests.

"B. Any building regulations in conflict with the provisions of Sections I, II, III are, and the same are hereby repealed."

The conference took no definite action on the provisions of the proposed code covering this material.

* * *

New York City has set out to reform the billboard. The National Poster Advertising Association is the agency through whose efforts it is hoped to do away with the ugly, inappropriate, obtrusive garving and inartistic wall advertisement.

No one realizes more thoroughly than the poster advertising fraternity the abuses for which out-door advertising has been responsible in the past. But no body of business men is more interested in correcting these abuses than the members of the National Poster Advertising Association. In New York City, following a mutual agreement between the Board of Aldermen and the bill-posting companies, there has been a gradual reformation of the billboard. It is disappearing by degrees as contracts expire from places where it offends the public taste or impertinently obstructs a landscape view.

Neither can it longer be accused of indecency; soon it will be innocent of the charge of impertinence, and may yet be complimented on its morality. Churches are using the boards in their work. The Sunday School Poster, as it is called, is displayed in front of a prominent Harlem church. In a short time there will appear in many places in all the principal cities a Boy Scout poster.

At many places in this city during the Christmas holidays the boards carried for two years past a strange but beautiful poster. The subject was one that nobody had ever expected to see in a poster, the Nativity. It bore the legend, "Ask your Sunday School teacher to tell you the story."

That poster is symbolical of the reformation that has come over the billboard wherever it is found in this country, a reformation that has not only given the poster better manners but which is preventing natural scenic beauties from being despoiled by hideous painted advertisements.

Did you ever hear how that poster came to be there? At the late convention of the American Civic Association, held in Washington, Mr. A. M. Briggs, chairman of the Educational Committee of the National Poster Advertising Association, related in an address the essential facts of a very remarkable movement that has been going on in this country, a movement of which the picture of the Nativity is a symbol.

* * *

"No one can possibly realize more thoroughly than we do the terrible abuses that outdoor advertising has been subjected to in the past," said Mr. Briggs, "and no body of men could possibly be more interested in correcting these abuses than we are. Our organization, the Poster Advertising Association, was formed twenty-three years ago. Every man in our Association controls his own business, and every member is a free agent."

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



"At first, our rules governing service were crude in the extreme, but such as they were, they were made to be obeyed, and they were obeyed. The billposter soon learned that when the majority of his brothers made a rule governing service, that he must obey it, if he were to remain in good standing in the association, and that if he were not in good standing, the advertiser would not patronize him, for the advertiser realized that we, as an association, were trying to build up an honest, clean service, and he supported us. Every member had a voice and a vote in the meetings that made the rules, and they soon learned that the organization was too large, and its purpose too sincere, to adopt any rule that was not honest, or make any move that was not clean.

"It took seventeen years of hard work to reach that point, where every bill-poster cheerfully and voluntarily obeyed every rule, but we did reach that point, and that made it possible to begin our great work of reconstruction. The work that is now showing the results that you want to see—for it was at that point that our inspection system was put to work and the classification of plants was begun.

"That was the start, and the first classification was made. It was successful beyond our expectation. The force of inspectors was increased, the inspections made more rigid, until now, each inspector has a small district; he is held responsible for it. The billposter never knows when the inspector will come. He knows only that he is coming and if the town is not cleaned up that he, coming often, and coming until it is, or until a better man has taken over the franchise and made it clean.

* * *

"Wonderful improvement has already been made. Greater improvements are being made.

The doom of the old wooden tumble-down billboard has been sounded and with it you will witness the passing of sniping and all other forms of indiscriminate outdoor advertising. The law has been passed. It goes into effect January 1, 1916. In thirteen months every plant in our association will be composed of steel boards—no more wooden structures—just the perfectly built beautiful steel boards, raised three feet from the ground, framed with six-inch picture moulding, and each surrounded by a white mat—a perfectly framed picture—ready to receive the art posters they deserve and which we will insist upon. Hundreds of thousands of feet of this construction have already been built. You see some of it in nearly every town. In thirteen months you will see nothing else in our towns, and in another year, at the next convention of your great organization, I do not believe the subject of billboards will be of great interest to you—for I sincerely believe that you will then be satisfied to let us take that trouble off your hands and leave you more free to handle the great civic movements and improvements you have already started—and will start."

* * *

Isn't it about time this subject of controlling fence-boards and wall advertising was taken up here in Philadelphia? We can mention most attractive residential streets that are made hideous and ugly at various points by glaring areas of poster advertising. And as far wall advertising—well, numerous horrible examples of this form of neighborhood desecration will readily suggest themselves to readers interested in the subject.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 1, 1915.—Sealed proposals will be opened in this office at 3 p. m., October 13, 1915, for the construction, complete (including mechanical equipment, lighting fixtures, and approaches), of a one-story and basement, brick, terra-cotta, and stone-faced building of 4,115 square feet ground area, fireproof construction, composition and tile roof, for the United States post office at Naugatuck, Conn. Drawings and specifications may be obtained from the custodian of the site at Naugatuck, Conn., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 27, 1915.—Sealed proposals will be opened in

this office at 3 p. m. on October 8, 1915, for the construction (except the mechanical equipment) and approaches of an 8-story and basement stone and brick faced building of 18,500 square feet ground area; fireproof construction; composition and tile roof; also a retaining wall for the United States appraisers' stores building at Boston, Mass. Separate proposals for the foundation and the superstructure will receive consideration. Drawings and specifications may be obtained from the collector of customs, at Boston, Mass., or at this office, in the discretion of the supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 24, 1915.—Sealed proposals will be received in this office until 3 p. m. September 14, 1915, and then opened for new partitions, alterations, etc., in the United States Custom House, Boston, Mass., in accordance with drawings Nos. S. A. 62 to S. A. 66, inclusive, and specifications, copies of which may be had upon application to the Supervising Chief Engineer, etc., room 137, Post Office and Sub-Treasury, Boston, Mass., or at this office. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 27, 1915.—Sealed proposals will be opened in this office at 3 P. M. October 8, 1915, for the mechanical equipment (except elevators, lighting fixtures, pneumatic-tube system, and sprinkler system), of the United States appraiser's stores at Boston, Mass., in accordance with drawings and specification, copies of which may be obtained from the custodian of the site at Boston, Mass., or at this office, in the discretion of the Supervising Architect. James A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 4, 1915.—Proposals will be opened in this office at 3 P. M., October 7, 1915, for the construction complete (including mechanical equipment) of medical officers' quarters at United States Marine Hospital, Wilmington, N. C. Drawings and specifications may be obtained from the custodian at Wilmington, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

If a man can make a better quality of brick than his competitors can, it is up to him to let the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

ABSOLUTELY NECESSARY.

We may live without poetry, music and art;
We may live without conscience and live without heart;
We may live without friends, we may live without fads;
But business to-day cannot live without ads.

CONSTRUCTION COST COMPARISONS

How Materials Have Returned to the Low Levels of a Decade Ago—Prices Now on the Ascendency

Portland cement advanced in price recently to a ninety-cent mill base for future deliveries over sixty days in this city. Of the ten leading building commodities, only two have not advanced in price within the last few weeks. The two exceptions are common brick and linseed oil. Common brick is selling below \$6 a thousand in this market and linseed oil has fallen back from an abnormally high level owing to manipulation of supplies of flaxseed at Duluth. These facts cause builders and prospective projectors of building operations to wonder what the comparative cost of construction is to-day as compared with costs ten and twenty years ago.

Ten years ago the greatest building boom the country ever knew of its kind was under way. Plans were being laid and finances arranged for the great structural giants that made the pace for commercial New York of to-day. It was on the eve of ten-dollar brick. The public was contemplating the effect of the new subway system upon sections of the city decidedly removed from lower Broadway and Wall street. The "Build Now" movement was felt, not preached.

Prices of a Decade Ago.

Ten years ago this month Portland cement was quoted at the mills at 96 cents. In the same year Hudson common brick brought \$6.75 and \$7.25. Genuine No. 1 Bangor roofing slate brought \$5.25. To-day it is priced at \$4.75. Lime was quoted at \$1.52 for select finishing in 350-pound packages, whereas to-day it is priced at \$1.55 in 300-pound barrels. Lath then was \$3.35, as against \$3.75 to-day. Portland cement in 500-barrel lots alongside of dock, New York, based on the 96 cents mill price already quoted, was \$1.53. To-day it is \$1.52. Yellow pine then was \$p4. To-day it is \$28 and \$30 a thousand feet. Structural steel beams were 1.74½ and 1.84½ and at the present time this year they were quoted at 1.31 and 1.36c. at tidewater. Spelter then brought 6 cents. To-day it brings 18 cents and is going up. Wire nails were quoted at 1.99 a pound. To-day the same nail is bringing 2.25c.

Wages Compared.

The prevailing rate of wages in New York as approved by the Building Trades in 1905, per hour, follow: Masons, 50 and 56½ cents; bricklayers, 70 cents; stone cutters, 62½ cents; marble cutters, 62½ cents; marble setters, 62½ cents; cement masons, 55 cents; stone setters, 62½ cents to 68½ cents an hour; elevator constructors, 53½ cents; structural iron setters, 56 cents; ornamental iron setters, 56½ cents; plasterers, 68½ cents; lathers, 50 cents; carpenters, 54½ cents; floor layers, 56½ cents; plumbers, 56½ cents; steamfitters, 56½

cents; boiler and pipe coverers, 50 cents; gas fitters, 56½ cents; painters, 50 cents; decorators, 53 cents; varnishers, 43 cents; sheet metal workers, 50 cents; house shorers, v4 2-3 cents; electricians, 50 cents.

Current lists as approved by the United Board of Business Agents of the Building Trades of Manhattan and vicinity give these figures as those applying to union artisans to the "Record and Guide." They apply for a day from 8 o'clock in the morning until 5 o'clock in the afternoon except on Saturday, when work in the building trades ceases at noon. Day wages are figured. Where bricklayers formerly got 70 cents an hour, they get 75 cents now. Other union labor working 8 hours a day get day wages as follows:

Marble cutters and setters, \$5.50; cement masons, \$5; elevator constructors, \$5.25; structural iron erectors, \$5; iron workers in general, \$5; plasterers, \$5.50; plumbers, \$5.50; steam fitters, \$5.50; boiler and pipe coverers, \$5; painters, \$4; decorators, \$4.50; varnishers, \$4; sheet metal workers, \$5; house shorers, \$3.75; electricians, \$4.80.

Hours of labor were longer then than they are now and there were no rival unions to shade wage lists.

Construction Cheaper To-day.

Ten years ago Madison square and the Fourth avenue districts did not exist as they do to-day. In that day a fair general price of office or commercial building construction per cubic foot was fifty cents. It is practically the same to-day, but the office building as then known has been modified and the average cost of its modern prototype, the loft building that can be sub-divided for offices, costs from 18 to 30 cents.

New York builders who fail to take advantage of present low prices of building materials and the eagerness of labor to obtain employment are losing opportunities that will not recur for many years. There is developing another cycle of building material costs upward, and this recurrence is just as sure of eventuating as anything can be.

Those who are in close touch with big manufacturers have learned something of their plans. Recent advances in building material prices are not temporary, save only in the sense that they herald other and larger increases. Building material interests have passed through a ten-year period of depression. They have worked under artificial conditions. Now an entirely new element is coming within their grasp. They see an opportunity with the revival of the sailing ship and the cheap intra coastal water freight service, an opportunity to sell their goods to foreign shores. The American basic building material plants are equipped to handle only

domestic business. At present the building market is taking less than 45 per cent. of their capacity on the whole. What is to become of this capacity when the domestic building situation picks up, plus the development of an active price-defying export business? Who will have to meet the price set by European or Mexican or South American or Canadian builders if it is not the New York builder who has let the opportunity of buying building materials and land cheap go by him?

Opinion of a Builder.

These words of an eminent builder: "Prices of building materials may never be so low again," are not those of a rabid optimist, but of a man whose practical experience in building the pioneer skyscrapers of this city, makes his words absolutely dependable. He tells the "Record and Guide" readers about why he thinks so in these words:

"You have got to change your buildings. There will always be the rule of the survival of the fittest as long as New York buildings endure. There will also be building expansion. Types of buildings will change. You real estate fellows have got to learn the wants of your tenantry and you have got to supply them.

"At present you do not know your prospective tenants' wants. If you did you would not allow lower Sixth avenue and Middle Broadway and the old dry goods section to stand idle. This very war that you are holding off for is going to tenant those districts. But it will be for the men who can foresee the commerce of the New World when the Old World wakes up. Will Chicago continue to be the granary of the world? Is there not a future in grain in one of these old sections, if not, why not the old Centuries Slip section? Where are the imaginations of our investors when they contemplate the construction of vast terminals on every side of us? Is that not a portending of a great shift of population?

"When the cheap labor of the lower or Middle East Side move out to the new factory locations is it not reasonable to suppose that the apartment house population will again move down town? Has not anyone noted the trend of apartment house erection in the lower squares, like Washington and Gramercy? Just as soon as neighborhoods improve the fashionable folk will be glad to sidetrack the shoddy rich and move back into old historical New York. Land is cheap there, but it will not be cheap long. Building materials are cheap now, but they will not be cheap long. Opportunity is here now, but opportunity will not remain long.—"New York Real Estate Record."

A hen is the only kind of a critter that can produce something by sitting down and doing nothing.—Exchange.

An advertisement should stick out like a sore thumb without being so sensitive.—"Novelty News."

REMOVES DANGER OF GREAT CITY FIRE

New Building Code Provides Efficient Fire-proofing and for Safety of Tenants' Lives

If the New York Board of Aldermen accepts the suggestions of Rudolph P. Miller, formerly Superintendent of Buildings and now expert to the Building Committee of the Board for Revising the Building Code, all dangers of a great conflagration in that city will be removed speedily. Mr. Miller has now completed his draft of the proposed articles for the new code dealing with fireproofing and the protection of life and property, and he has made the section so stringent that every building hereafter will act as its own fire break and by its own ability to resist fire will prevent the spreading of a blaze. For the protection of life Mr. Miller has gone to extremes.

This section has been written after hearings with material men, builders and architects. It is not stated that the section embodies their views. In fact, some of the provisions go so far ahead of the general practice today that there is a possibility of opposition to them before the section becomes a part of the new code.

Fire walls under the new section because of their importance are required to be constructed in as substantial a manner as the exterior walls. This is on the theory that a fire wall serves practically the same purposes as a party wall. In non-fireproof buildings fire walls must be continuous from the foundation to a point three feet above the roof. Openings in fire walls are restricted to eighty square feet in area and the aggregate width of all the openings at any one level to 25 per cent. of the length of the wall. In the first story of buildings that are equipped with automatic sprinklers larger openings and a greater percentage may be used if the written permission of the Superintendent of Buildings is obtained.

Openings in fire walls must be provided on each side of the wall with approved automatic fire doors, and in case a fire wall serves also as a fire partition in providing the necessary exit facilities from a building, then no other than door openings are permitted and one of the automatic fire doors at each opening must be replaced by a self-closing fire door. A self-closing fire door is one which is normally kept closed by some mechanical device and must be opened each time it is used. An automatic fire door, on the other hand, is one that is normally held open and is released by a fusible link and closes automatically in case of fire.

Fire partitions, which are partitions "for the purpose of protecting life by providing an area of refuge," shall be constructed in one of several ways: First, of any approved masonry, that is, in the same manner that exterior walls are constructed; second, of any form of fireproof partition construction pro-

vided in the article on fireproof construction, with the thicknesses, however, increased above what is provided there for an ordinary partition. The minimum thicknesses specified for the different materials are eight inches for brick, six inches for stone or cinder concrete or hollow blocks of terra cotta, concrete or gypsum, reinforced at the openings with adequate steel shapes, and four inches for reinforced stone or cinder concrete.

In non-fireproof buildings it is again provided that the fire partitions when required in any story shall continue for the full height of the building from the foundations to three feet above the roof. Fire partitions shall have no other openings than the required door openings. The doors are limited to 48 square feet in area, and if there is more than one door opening, the distance between any two successive doors shall be not more than 60 feet. Such openings must be protected by approved self-closing fire doors.

Fireproof shafts are required for any series of two or more floor openings in successive floors, counting the roof as a floor, whether the space thus enclosed is used for the purposes of light, air, elevator or anything else. Any existing series of floor openings that is materially changed so as to enlarge the openings or to change the purpose of the openings is required to be enclosed as in a new building. The provisions are not meant to apply to frame buildings and are not to be applied to chimneys, flues or ducts.

Materials and construction to be used in shafts are the same as required for fire partitions. The smaller sized shafts may be constructed of approved masonry, reinforced concrete or any material or form of construction not less than two inches thick permitted for so-called fireproof partitions when set in an angle frame or suitably reinforced with metal dowels or in such other manner as may be approved by the Superintendent of Buildings. This requirement for fireproof construction does not apply to existing shafts except where they are enlarged.

Non-fireproof construction is permitted for vent shafts in non-fireproof residence buildings, provided they do not extend through more than the top story of the building, and for dumbwaiter shafts that do not extend more than three stories above the cellar or basement in one and two family residence buildings. For these latter dumbwaiter shafts, however, a brick enclosure is required for the portion extending into the cellar. Provision is also made for the construction in existing residence buildings having not more than fifteen sleeping rooms of a shaft of lighter construction when the space available for the installation of a new elevator is not sufficient for the regular fireproof construction.

Existing elevators in non-fireproof public buildings are required to be enclosed the same as new elevator shafts. Existing dumbwaiter shafts that extend into the cellars or basements and are not enclosed with some fireproof construction must be enclosed in the basement or cellar with eight-inch brick walls. The windows or other openings into open shafts are required to be fire windows when such shaft has a cross sectional area of thirty-six square feet or less. In vent shafts, except non-fireproof shafts, all openings must be protected with fire windows. In elevator shafts the openings must be protected with self-closing fire doors. No other openings are permitted except windows opening directly to the outer air. Dumbwaiter shafts must be provided with self-closing fire doors and shall have no other openings.

Fire doors or shutters or fire windows are required on all openings above the first story in fireproof and non-fireproof business buildings which are more than forty feet in height, unless any such openings are more than thirty feet from any other exterior opening or more than fifty feet above the adjoining roof. Where fire shutters are required on streets they must be arranged to be readily opened from the outside by firemen, but openings to fire escapes will practically have to be built of fire windows, inasmuch as the fire shutters or fire doors that might be provided must be made self-closing and so arranged as to not obstruct. Provision is also made for the closing of all fire doors and shutters at night by tenants, unless they are equipped with automatic devices.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

Don't expect outsiders to give you a big rating on a one-inch space.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., and Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo." Howard Ketcham, 3rd & Girard ave., Phila.
"Utility." Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131 S. 24th st., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.
Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

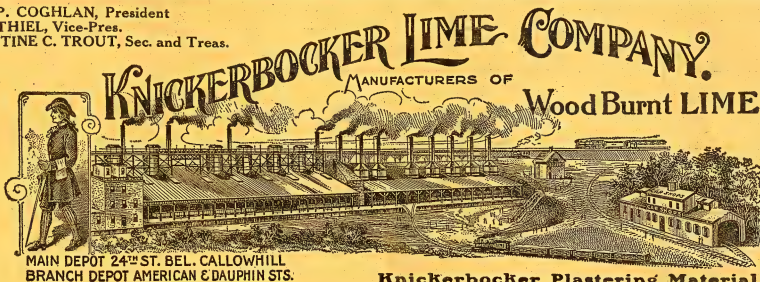
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIE
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL



OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.

We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 37.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 15, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

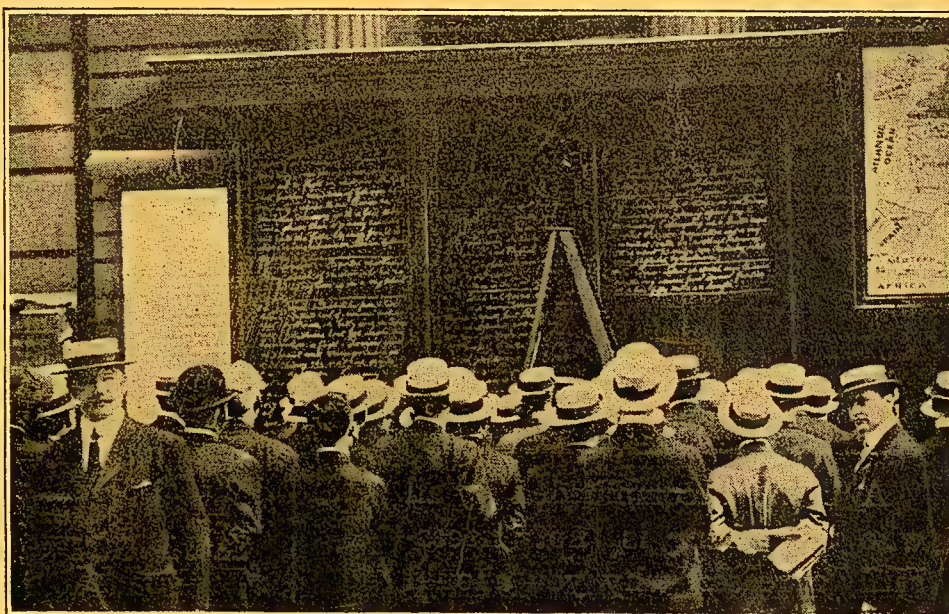
5632-34 Summer Street

∴ Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

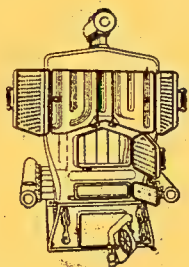
ANCHOR POST IRON WORKS
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA., PA.

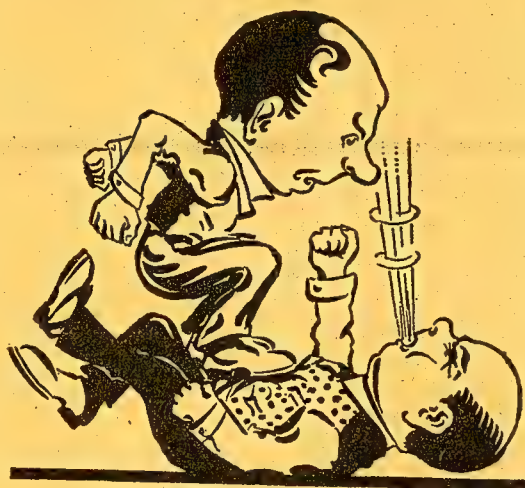
— MILLS —



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

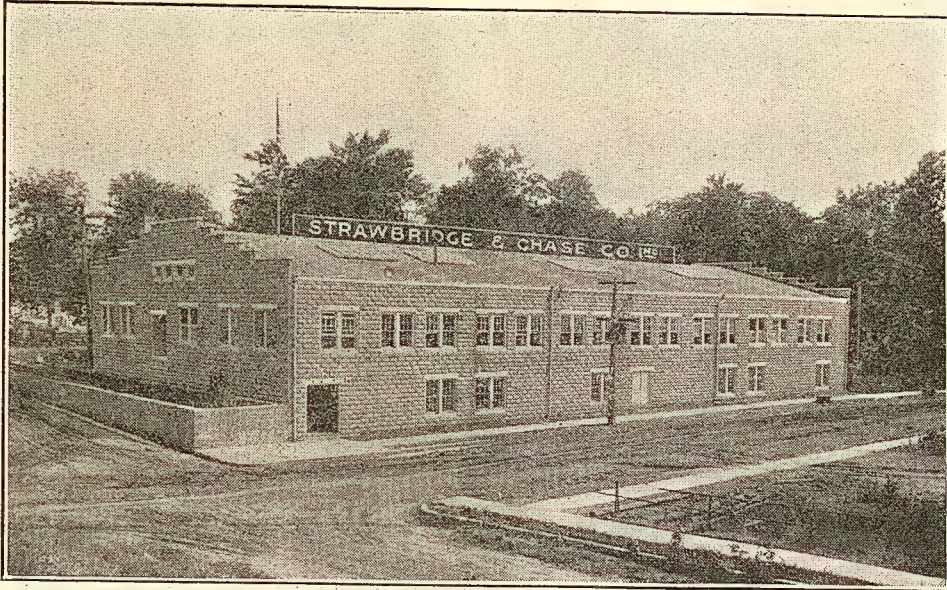
1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGEE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



The reputation of "F-S" Products has a solid found- ation.

Our claim to quality for "Alba Flint Enamel" rests on fifty years of giving satisfaction. You can safely specify it for inside and outside work. It is easy-flowing and dries with a permanent gloss. One coat is equal to two of many other enamels, and it is durable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(117)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

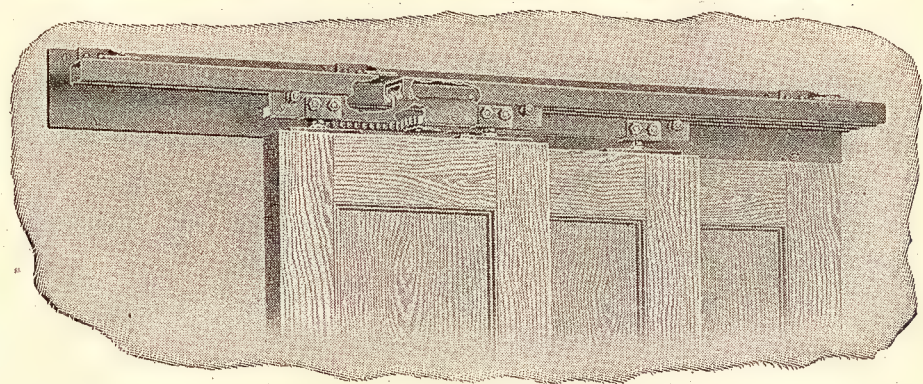
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

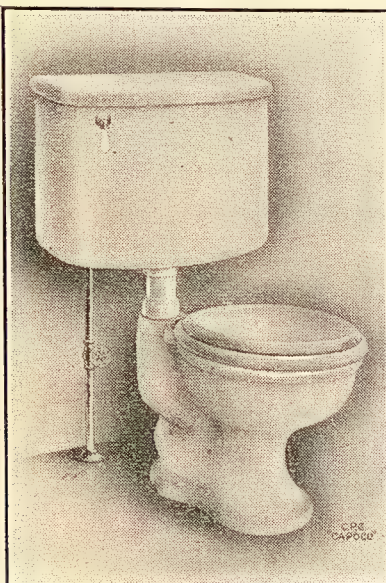
C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.
1511 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

The Standard Documents of the American Institute of Architects

The New Contract Documents of the American Institute of Architects are now on sale and replace the old Uniform Contract, which is to be discontinued

PRICES FOR SINGLE COPIES

Agreement and General Conditions in cover	\$.10
Bond of Suretyship	.02
Form of Subcontract	.02
Letter of Acceptance of Subcontractor's Proposal	.01
Complete set in cover	.15

Trial set delivered upon receipt of nine 2-cent stamps.

These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

F. WEBER & CO. Architects, Artists & Engineers' Supplies 1125 Chestnut St., Phila. Baltimore, Md. St. Louis, Mo.

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 37.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 15, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Club House, Fourth and Queen streets, Philadelphia. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owners, Settlement Music School, on premises. Brick and reinforced concrete, 3 stories and basement, 60x120 feet, slag roof. Plans completed.

Garage, Sixty-third and City Line, Overbrook, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Mrs. Cyrus Chambers, Jr., Sixty-third and City Line, Philadelphia. Stone and half timber, 1½ stories, slate roof. Plans in progress. Architects will take bids in one month.

Residence (alt. and add.), Chestnut avenue, Chestnut Hill, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, M. F. Hanson, 515 East Sedgwick street, Philadelphia. Stone, 2½ stories, slag roof, metal lath, tile work, composition flooring, oak floors (plumbing, heating and electric work reserved). Revised plans in progress.

Store Building (alt. and add.), 1251-53-55 North Fifty-second street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Schwartzmann Bros., on premises. Brick, 2-story addition, 50x14 feet, slag roof, electric lighting, steam heating, tile baths, cement floors and general interior alterations. Architects have received bids.

Warehouse, Filbert and American streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, J. D. Lit, Eighth and Market streets, Philadelphia. Brick and reinforced concrete, 4 stories, 75x165 feet, slag roof (plumbing, heating, electric work and elevators reserved). Architects taking revised bids, due September 16th. In addition to those previously reported, J. Sims Wilson Co., Ketcham & McQuade, 1029 Brown street; William R. Dougherty, 1610 Sansom street; Lam Building Co., 1001 Wood street; Fidelity Const. Co., Heed Building, and Harry Gill, Jr., 2515 Germantown avenue, Philadelphia, are figuring.

Factory (add.), 3202 Chestnut street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, M. Rosenbaum, 605 South Third street, Philadelphia. Brick and steel, 4 stories, 36x40 feet, slag roof (steam

heating, electric work, plumbing and freight elevator reserved). Architect has received bids.

Warehouse, Filbert and American streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, J. D. Lit, Eighth and Market streets, Philadelphia. Brick and reinforced concrete, 4 stories, 75x165 feet, slag roof (plumbing, heating, electric work and elevators reserved). Architects taking revised bids, due September 16th. Frank G. Stewart, 1619 Sansom street, is figuring.

Cafeterias, Kitchen and Equipment, Seventeenth and Arch streets, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Marble, tile work, electrical and mechanical equipment, ventilation, waterproofing. Architect taking bids, due September 21st. Cramp & Co., Denckla Building, are figuring.

Armory, Thirty-second and Lancaster avenue, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Harrisburg, Pa. Red tapestry brick, granite and limestone trimmings, 2 stories, 129x305x216 feet, slag roof, steel stack, damp-proofing (heating, plumbing and electric work separate bids), iron stairs, safety treads, metal lath, terrazzo floors. Lowest bids submitted by Fidelity Const. Co., \$135,950, and E. F. Fonder Co., \$135,960.

Manufacturing Building, Front and Erie avenue, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Hess-Bright Mfg. Co., on premises. Brick, steel and concrete. Plans in progress. Too early for details.

Library Building, McPherson Park, Philadelphia. Architects, Wilson-Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owners, Free Library of Philadelphia, J. Thompson, Librarian, Thirteenth and Locust streets, Philadelphia. Brick and stone, 2 stories. Plans in progress. Too early for details.

Club House, 313 South Broad street, Philadelphia. Architects, Ballinger & Perrot, 1700

Arch street, Philadelphia. Owners, City Club of Philadelphia, Real Estate Trust Building, Philadelphia. Brick and stone, 4 stories, slag roof, steam heating, tile and marble work, electric lighting, elevator, fireproofing, metal lath. Architects taking bids, due September 16th, at 3 P. M. The following are figuring: George A. Fuller Co., Widener Building; Metzger & Fisher, Denckla Building; A. Raymond Raff, 1635 Thompson street; H. E. Grau, 1707 Sansom street; Abel Bottoms & Sons Co., 41 South Fifteenth street; H. E. Baton, Twelfth and Sansom streets; Irwin & Leighton, 126 North Twelfth street; Harrison C. Rea Co., 1027 Wood street; Cramp & Co., Denckla Building; George H. Borst, 277 South Eleventh street, all of Philadelphia.

Stores (11), southwest corner Broad and Girard avenue, Philadelphia. Architect, private plans. Owners, John F. Betz Estate, 415 Callowhill street, Philadelphia. Brick, 2 stories, 90x58 feet and 96x45 feet, slag roof, steam heating, electric lighting, tile work. Owners have received bids.

Stable, Thirty-fourth and Lancaster avenue, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Brick, 2 stories, 45x180 feet, slag roof. Plans in progress.

Film Building, Twelfth and Winter streets, Philadelphia. Architect, Charles E. Oelschlagger, Harrison Building, Philadelphia. Owner's name withheld. Brick, 2 stories, slag roof, electric lighting, 32x53 feet, steam heating. Architect has received bids.

Home (add.), 315-17 South Third street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Jewish Sheltering Home, on premises. Brick and reinforced concrete, 2 stories, 19x65 feet, slag roof, hot water heating, metal lath, reinforcing bars (electric lighting reserved). Architect has received bids.

Bridge, Bourse Building, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Thirteenth and Arch streets, Philadelphia. Steel, reinforced concrete, metal

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazzo and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{16}'' \times 2\frac{1}{4}''$ and $3\frac{1}{4}''$ face. End matched, hollow backed, and bored for secret nailing.

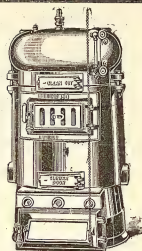
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The NEW Round

ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118 120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

lath, electric lighting, vault lights. Architect has received bids.

Hospital Building, northwest corner Nineteenth and Federal streets, \$75,000. Architect, E. S. Lemmon, P. O. Box 389, Philadelphia. Owners, Mercy Hospital and School for Nurses (Lincoln Memorial), care of Algernon B. Jackson, 770 South Eighteenth street, chairman Building Committee. Granite, brick and terra cotta, 5 stories and basement, 68x72 feet, vapor heating, inlaid slate roof, leather flooring, composition flooring, fireproof tile partitions, laundry equipment, elevator. Plans in progress. Architect will take bids about October 1st.

Residence, Germantown, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Dr. E. P. Moxey, 34 Carpenter street, Germantown, Philadelphia. Brick, $2\frac{1}{2}$ stories, slate roof, electric lighting, vapor heating, hardwood floors. Plans in progress. Architect will take bids in about two weeks.

Apartment House (changing residence into apartment house), 1931 North Thirty-third street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, H. Sacks, care of architects. Brick, 3 stories, 16x24 feet, slag roof, electric lighting, steam heating, tile work and plumbing and metal roof. Architects taking bids, due September 20th. Lam Building Co., 1001 Wood street, is figuring.

School (alts.), Walnut lane and Wissahickon avenue, Germantown. Architect, J. Horace Cooke, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Consists of new stone wall and grading. Lowest bid submitted by William Mundy, 228 South Alder street, \$1,410.

Recreation Buildings, Westmoreland Park, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Room 587, City Hall. Consists of recreation building, 1 story shelters, iron fence, sodding, cement copings and grading, hollow tile and plaster, asbestos shingle and slag roofs, composition wainscoting, proposal band (plumbing and electric work separate bids). Lowest bid submitted by Edw. Fay & Son, 2 South Mole street, \$21,480.

School (add.), Thirtieth and Gordon streets, Philadelphia. Architect, J. Horace Cooke, Land Title Building, Philadelphia. Owners,

Board of Education, City Hall. Stone and brick, 3 stories, 65x74 feet, slate and slag roof, metal lath, metal sash, reinforced bars, glazed bricks, iron stairs, metal weather strips (heat-115, plumbing and electric work separate bids). Lowest bid submitted by Abel Bottoms Sons Co., \$51,989; next lowest bid, William R. Dougherty, \$53,175.

Apartment House (residence alteration to apartment house), 1931 North Thirty-third street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, H. Sacks, care of architects. Brick, 3 stories, 16x24 feet, slag roof, electric lighting, steam heating, tile work and plumbing and metal roof. Architects taking bids, due September 20th. The following are figuring: Lam Building Co., 1001 Wood street; Freund-Siedenbach Co., Bulletin Building; Stocker & Hastings, 1320 North Carlisle street; P. A. Havens & Co., 845 North Nineteenth street; Smith-Hardican Co., 1606 Cherry street; Bernard Cohen, 5021 Walnut street; Charles Freedman, 815 Watkins street, all of Philadelphia.

Cool Tunnel and Storage, Ridge avenue and School lane. Engineer, J. S. Ely, Department of Public Works, City Hall, Philadelphia. Owners, Department of Public Works, City of Philadelphia. Reinforced concrete, steel trusses, 145 feet long. Owners taking bids, due September 30th. Manwaring & Cummins, Hale Building, Philadelphia, are figuring.

Storage Building, 2715 North Broad street, Philadelphia. Architects, Moore & Dunford, Otis Building, Chicago, Ill. Owners, Miller-North Broad Storage Co., 2715 North Broad street, Philadelphia. Reinforced concrete, hollow tile, slag roof, steam heating, 6 stories, 53x120 feet, electric lighting, metal sash. Plans about completed. Owners will take bids in a few days.

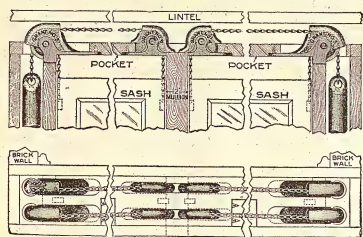
Storage Building, Belfield avenue and Walnut lane, Germantown. Architects, private plans. Owners, American Ice Co., Michael Dreier, superintendent, Thirtieth and Columbia avenue, Philadelphia. Reinforced concrete, 1 story, 82x82x75 feet. Plans about completed. Owners will take bids in one week.

Laboratory Building, Broad and Ontario streets, Philadelphia. Architect, Herbert C. Wise, Franklin Building, Philadelphia. Owners, Temple University, Broad and Berks streets, Philadelphia. Concrete work, metal

ASPHALT SHINGLES

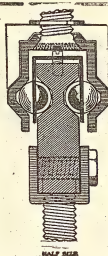
FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.



Write
for
Catalogue
and
Discounts

THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.
Is easily installed and quickly adjusted.
Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

lath, plumbing, electric work, slate sill. Architect taking bids, due September 17th. The following are figuring: Harrison C. Rea Co., 1027 Wood street; A. Raymond Raff, 1635

Thompson street; H. H. Burrell, 206 South Quince street; P. J. Hurley, 1233 Cherry street; H. E. Grau, 1707 Sansom street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Sub-Station (add.), Seventeenth and Allegheny avenue, \$5,000. Architect, private plans. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Corrugated iron, 1 story, 25x24 feet. Contract awarded to Charles Cilpin, Harrison Building, Philadelphia.

Residence (alt. and add.), 1627 Walnut street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Dr. Hayes A. Clement, on premises. Consists of general interior alterations. Contract awarded to Joseph Price, 2048 Rittenhouse street, Philadelphia.

Factory and Offices, northwest corner of Fourth and Cherry streets, Philadelphia, \$50,000. Architect, Spencer Roberts, 1524 Chestnut street, Philadelphia. Owners, Felton Sibley Co., on premises. Brick and reinforced concrete, 6 stories, 40x70 feet, slag roof, metal sash, elevator, dampproofing, safety treads, composition flooring (heating and electric work reserved). Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

Club House, 1616 Master street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Young Men's Hebrew Association, care of Morris Wolf, Secretary. Brick, 3 stories, slag and asbestos shingle roof, marble and tile work, hardwood floors, expanded metal lath (plumbing, heating and electric work separate bids). Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Church (alts.), Twelfth and Diamond sts., Philadelphia, \$5,000. Engineer, Horace T. Campion, Crozer Building, Philadelphia. Owners, Church of the Annunciation, Walter LeMar Talbot, chairman of Building Committee, 6730 North Thirteenth street, Philadelphia.

Consists of new front for rectory, new piers and underpinning, tile work, reinforcing bars, structural steel and painting. Contract awarded to Graham Campion Co., Heed Building, Philadelphia.

Garage (alt. and add.), 2321 North Smedley street, Philadelphia, \$2,350. Architect, private plans. Owner, E. M. Kirby, 1611 West York street, Philadelphia. Consists of general alterations. Contract awarded to Borndt & Son, 1037 West Tioga street.

Garage, Fifty-second and Overbrook avenue, Philadelphia, \$600. Architect, private plans. Owner, John H. McClatchey, Land Title Building, Philadelphia. Consists of alterations. Builder, John H. McClatchey, Land Title Building, Philadelphia.

Garages (4), 431 Winona avenue, Philadelphia, \$2,000. Architect, private plans. Owners, The Trust Co., Germantown avenue and Main street, Germantown. Consists of general alterations to four garages. Contract awarded to William J. Gruhler, 219 High street, Germantown.

Sunday School, Fifty-third and Chestnut streets, Philadelphia, \$30,000. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, St. Matthew's M. E. Church, Rev. Richard Radcliffe, Fifty-third and Sansom streets, Philadelphia. Stone, 2 stories, slate roof, vapor heating, electric lighting. Contract awarded to Alexander Chamblay, 243 South Tenth street, Philadelphia.

Residence (alts.), 5722 Greene street, Philadelphia. Architect, William C. Pritchett, 418 Walnut street, Philadelphia. Owner, E. Eldridge Pennock, Bourse Building, Philadelphia. Consists of new bath room, tile work. Contract awarded to William C. Wright, 22 Harvey street, Germantown.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

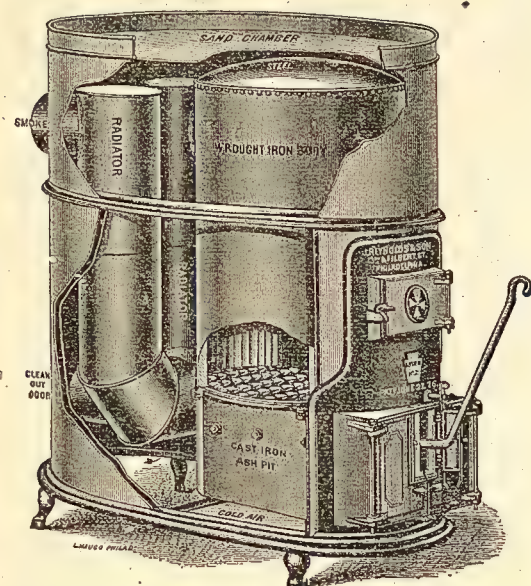
GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

No matter how small or how large your kitchens, we have All-Gas Kitchen equipments to exactly meet your requirements.

Let us co-operate with you. We have ideas that will save you money.

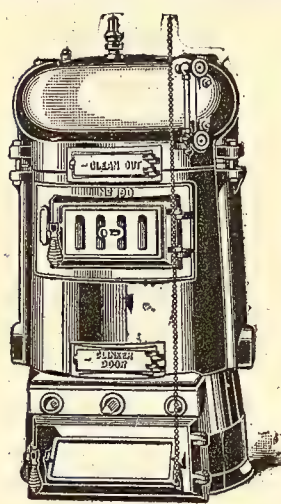
Call up the "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

Offices (alt.), 430 Washington avenue, Philadelphia. Architects, Janssen & Abbott, Pittsburgh, Pa. Owners, Southwark Foundry and Machine Co., on premises. Brick, 2 stories,



"NOVELTY REMINDERS"

A "NOVELTY" HOT WATER, STEAM or WARM AIR HEATER

in the cellar means satisfaction and comfort throughout the house.

The original design, perfect construction, ease and economy in operation of "NOVELTY" Ranges, Boilers and Furnaces have made them the best known and most popular appliances in the East.

Satisfy the Public Demand and equip your houses with "NOVELTY" appliances.

Made in Philadelphia by
ABRAM COX STOVE CO.
EXHIBIT AT
BUILDERS' EXCHANGE
American and Dauphin Sts.
PHILADELPHIA

reinforcing bars, metal lath, metal ceilings, structural slate. Contract awarded to Roydhouse-Arey Co., Fidelity Building, Philadelphia.

Stores and Apartments, 5622 Germantown avenue, Philadelphia. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owner, Martha C. Scott, on premises. Brick and terra cotta, 24x115 feet, slag roof, steam heating, electric lighting, oak floors, tile work,

metal ceilings. Contract awarded to Edward Fay & Son, 2 South Mole street, Philadelphia.

Store and Dwelling (alt. and add.), 5610 Germantown avenue, \$1,100. Architect, private plans. Owner, E. M. Van Deusen, 5610 Germantown avenue. Brick, 1-story rear addition, 10x26 feet, slag roof. Contract awarded to Fred Elvidge & Son, 5522 Germantown avenue.

PENNSYLVANIA Construction News

Residence (storm enclosure), Latham Park, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, J. E. Cochrane, Latham Park, Pa. Wood and glass. Plans in progress.

Sewage Disposal Plant, Glen Mills, Pa. Engineers, Franklin & Co., Crozer Building, Philadelphia. Owners, Girls' House of Refuge of State of Pennsylvania, Glen Mills. Consisting of mechanical work, concrete work, pipe work and general alterations. Engineers taking bids, due September 20th. The following are figuring: Dwyer & Co., 1524 Chestnut street; Latta & Terry, Drexel Building; James Skelly, Lima, Pa.; F. Guy Meyers Co., Harrison Building; Day & Zimmerman, 611 Chestnut street, all of Philadelphia.

Residence (alt. and add.), Wyncote, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, John C. Martin, Wyncote, Pa. Stone, 2½ stories, shingle roof, tile work, metal lath, oak floors (electric work and heating reserved). Architects have received revised bids.

Residence, Penfield, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, A. S. Kempfor, 5413 Chestnut street, Philadelphia. Hollow tile and plaster, 2½ stories, 25x35 feet, hot water heating, shingle roof. Plans about completed. Architects will take bids in a few days.

Residences (8), Easton, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owners, Lachenour Heights Co., Easton, Pa. Brick and plaster, 2½ stories, 32x28 feet, slate roof, hot water heating. Plans about completed. Architects will take bids in a few days.

Manufacturing Plant, Freemansburg, Pa.

Architects and engineers, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, William Shimer, Son & Co., Freemansburg, Pa. Brick, steel and concrete, fireproof, 1 and 2 stories, 242x75 feet, 100x75 feet and 160x75 feet, slag roof (heating, electrical work and sprinkler system reserved). Architects taking bids, due September 18th. The following are figuring: F. F. Speck, Vanderstucken & Ewing, both of Bethlehem, Pa.; George Hardner and R. S. Rathburn, both of Allentown, Pa.; L. H. Focht & Son, Reading, Pa.; Philip Hainbach Contracting Co., Twenty-sixth and Thompson streets, Philadelphia.

Warehouse, Penn below Second street, Reading, Pa. Architect, H. J. Mauer, Baer Building, Reading, Pa. Owners, G. H. Dalp & Co., 12 South Eighth street, Reading, Pa. Brick and steel, 3 or 4 stories, 210x40 feet and 40x57 feet, slag roof, steam heating, elevator, electric lighting, cement floors, dampproofing. Architect will be ready to take bids September 13th.

School, Lebanon, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, John Selzer, chairman Building Committee, Lebanon, Pa. Brick, 2½ stories, 180x180 feet, tile roof, indirect steam fan system of heating, electric lighting, concrete and tile floors, dampproofing. Plans in progress. Owners will advertise for bids in one week.

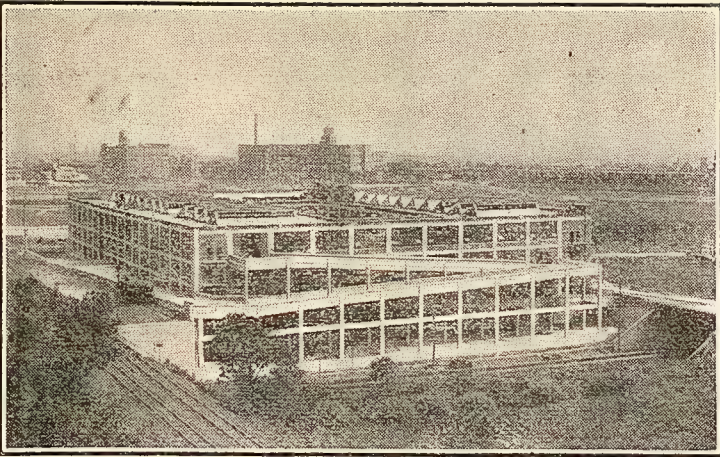
Factory (add.), Boyertown, Pa. Architect, Wayne M. High, Reading, Pa. Owners, United Underwear Mills Co., Boyertown, Pa. Brick, 2½ stories, 60x32 feet, slag roof, steam heating, electric lighting, double maple floors. Owners about to take bids.

Residence, Longwood, Pa. Architects,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Brown & Whiteside, du Pont Building, Wilmington, Del. Owner, Pierre L. Du Pont, Wilmington, Del. Hollow tile and concrete, 2 stories, 40x50 feet; wing 25x25 feet, slate roof, vapor heating, electric lighting, tile work. Architects taking bids. The following are figuring: J. P. Thompson, Real Estate Trust Building, Philadelphia; W. D. Haddock & Co., A. S. Reed & Bro. Co., and J. E. Healy & Son, all of Wilmington, Del.

Residence, Radnor, Pa. Architect, Louis Rush, 130 South Fifteenth street, Philadelphia. Owner, C. McM. Cadwalader, Radnor, Pa. Hollow tile and plaster, 2½ stories, 42x56 feet, slate roof, hot water heating. Plans in progress.

Residence and Garage, Washington lane, Bethayres, Pa. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Anderson MacPhee, 33 North Thirty-sixth street, Philadelphia. Fishlock tapestry brick, 2½ stories, 42x30 feet, shingle roof, vapor heating. Plans in progress. Architect will take bids in two weeks.

Garage, Rydal, Pa. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owner, Henry H. Roelofs, Rydal, Pa. Stone, 1½ stories, 22x20 feet, shingle roof, hot water heating. Plans in progress.

Garage, Fifty-second and Susquehanna streets, Wynnefield, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Albert C. Wood, Pennsylvania Building, Philadelphia. Stone, 1½ stories, 23x25 feet, slate roof, steam heating, electric lighting (plumbing reserved). Architect taking bids, due September 20th. The following are figuring: E. J. Hedden, Finance Building; M. W. Young, Overbrook, Pa.; A. L. Fretz & Sons, 1222 Chancellor street; Guy Croyle, Merion, Pa.; Frank G. Stewart, 1619 Sansom street, Philadelphia.

Passenger Station, Kiskiminotus Junction, Pa. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 1 story, stone and terra cotta, 28x97 feet; 2 wings, 1 story, 19x15 feet, tile roof, metal lath, composition flooring, steam heating. Architect taking bids, due September 24th. The following are figuring: J. D. Ludwig, Leechburg, Pa.; Cuthbert Bros., Beesmer Building, Pittsburgh, Pa.; Henry

Shenk Co., 1154 Century Building; W. F. Trimble & Sons Co., 1719 Pennsylvania avenue; Pittsburgh Const. Co., Diamond Bank Building, all of Pittsburgh; W. D. Steinbach's Sons, Lewistown, Pa.; W. H. Fissell & Co., 1135 Broadway, New York City; Irwin & Leighton, 126 North Twelfth street; Brann & Stuart Co., Commercial Trust Building; F. A. Havens & Co., 845 North Nineteenth street; Roydhouse-Arey Co., Fidelity Building, Philadelphia.

Abattoir, Shenandoah, Pa. Architects, C. H. A. Wannenwetsch & Co., Citizens' Bank Building, Buffalo, N. Y. Owners, Shenandoah Abattoir Co., Buffalo, N. Y. Brick and reinforced concrete, 3 stories, 53x29 feet, composition roof, waterproofing. Architects taking bids, due September 16th. Pomeroy Const. Co., 1609 Ranstead street, Philadelphia, is figuring.

Residence, Drexel Hill, Pa. Architect, E. Kenny Crothers, 133 South Fifty-second street, Philadelphia. Owner, Charles A. Wagner, 222 North Water street, Philadelphia. Stone, 2½ stories, 40x28 feet and 16x14 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Architect is taking bids.

Bank, Wind Gap, Pa., \$20,000. Architect, A. Spangenburg, Bangor, Pa. Owners, Citizens' National Bank, care of Charles Daniels, Wind Gap, Pa. Brick, 3 stories, 50x60 feet, slate roof, steam heating, electric lighting, tile work, banking fixtures. Owner is taking sub-bids.

Residence, Catasauqua, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, James Troxell, Catasauqua, Pa. Stone and shingle, 2½ stories, 24x46 feet, shingle roof, hot water heating, electric light, tile and hardwood floors. Owner is taking bids.

Silk Mill (add.), Kutztown, Pa., \$18,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, W. H. G. Dery, Allentown, Pa. Brick, 2 stories, 66x50 feet, slag roof, steam heating, electric lighting, fire towers, enclosed stairway. Owners taking bids.

Bank Building (alt.), South Bethlehem, Pa., \$5,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, People's Trust Co., South Bethlehem, Pa. New front, 1 story, new banking fixtures and plumbing fixtures. Plans in progress.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



1st--ALL MAPLE FLOOR
2nd--ALL MAPLE FLOOR

Treated with **SAUMS**



HARRISON C. REA,
Builder

PLANT OF THE HESLER

Satisfaction guaranteed for 5 years when wood or
MAKES OLD FLOORS NEW' AND

Applied by **THE SAGENDORPH CO., N. E.**

S IN OLD BUILDINGS S IN NEW BUILDINGS PRESERVATIVE

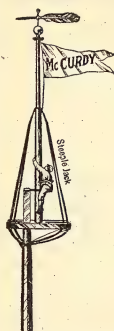


BRIGHT CO., PHILA., PA.

WATSON & HUCKEL, PHILA.
Architects

Concrete floors are treated with Saums Preservative
NEW FLOORS LAST FOREVER

Cor. 24th and Walnut Sts., Philadelphia



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-15.
Keystone, Race 60-17A



**Wells - Soundings
Test Borings**

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.

THE FAIRBANKS CO.
PHILADELPHIA

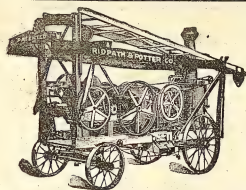
VALVES AND SCALES



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA

Contracts Awarded

Play House, Oreland, Pa. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, A. C. Harrison, Drexel Building, Philadelphia. Logs and stone, 1 story, 19x29 feet, shingle roof (plumbing reserved). Contract awarded to W. John Stevens, Wyncote, Pa.

Residence, Moylan, Pa. Architects, Thomas B. Lippincott & Edward B. Delk, 34 South Seventeenth street, Owner, J. Passmore Elkinson, 121 South Third street, Philadelphia. Frame or hollow tile and plaster, 2½ stories, 51x27 feet; wing, 15x14 feet, slate roof, hot water or hot air heating, electric lighting, oak floors. Contract awarded to James B. Flounders, 1329 Arch street, Philadelphia.

Laundry Building, Norristown, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Norris Laundry Co., 223 West Main street, Norristown, Pa. Brick, 4 stories, 50x100 feet, slag roof, steel sash, fire doors, proposal bond (heating, electric work and elevator reserved). Contract awarded to Jacob Myers & Sons, Witherspoon Building, Philadelphia.

Factory (add.), Ardmore, Pa., \$75,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Autocar Co.,

Ardmore, Pa. Tapestry brick, reinforced concrete and steel, fireproofing, 5 stories, 64x77 feet, slag and tile roof, dampproofing and water proofing, fire doors, steel sash, metal lath, terrazzo floors (plumbing, heating, elevators, electric work and sprinklers reserved). Contract awarded to William R. Dougherty, 1610 Sanson street, Philadelphia.

Bridge, Glenolden, Pa. Engineer, A. F. Damon, Jr., Post Office Building, Darby, Pa. Owners, Borough of Glenolden, Pa., care of County Commissioner. Reinforced concrete. Contract awarded to the Williams Construction Co., Chester, Pa.

Residence (alt. and add.), Wyncote, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, John C. Martin, Wyncote, Pa. Stone, 2½ stories, shingle roof, tile work, metal lath, oak floors (electric work and heating reserved). Contract awarded to W. John Stevens, Wyncote, Pa.

College Building, Gettysburg, Pa. Architect, George C. Baum, 1424 Arch street, Philadelphia. Owners, Pennsylvania College, Gettysburg, Pa. Brick and stone trimmings, 2 stories, 50x150 feet, slate roof, electric lighting (heating reserved). Contract awarded to A. R. Warner, Waynesboro, Pa.

NEW JERSEY

Construction News

Assembly Building, Skillman, N. J., \$35,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State of New Jersey Epileptic Village, care of David S. Weeks, Skillman, N. J. Brick and concrete, 1 story, 61x126 feet, slag roof, steam heating, wood and cement floors. Owners will advertise for bids this week.

Nurses' Cottage, Skillman, N. J., \$20,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, New Jersey State Hospital for Epileptics, Skillman, N. J. Brick and frame, 2 stories, 30x80 feet, slate roof, steam heating, electric lighting. Owners will advertise for bids this week.

Service Building and Cottages (2), Skillman, N. J., \$75,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, State of New Jersey Epileptic Village,

Skillman, N. J. Brick and concrete, 1½ and 2 stories; service building, 115x44 feet, and cottages, 116x31 feet each, slag roof, steam heating, electric lighting, composition floors, iron stairs, waterproofing and dampproofing. Owners will advertise for bids this week.

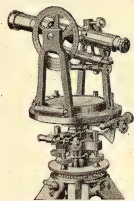
Residence, Atlantic City, N. J., \$20,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, Robert C. Kolb, 798 Stuyvesant street, Trenton, N. J. Hollow tile and stucco, 2½ stories, 45x35 feet, tile roof, vapor vacuum heating, electric lighting, hardwood floors, tile work. Architects have received bids.

Residences (12), Eastburn avenue, Trenton, N. J., \$10,000. Architect, private plans. Owner, Isaiah Birks, Forst Richey Building, Trenton, N. J. Brick, 2 stories, 13x28 feet, slag

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM.
Installed in over ten thousand buildings of every kind
and size. It will pay you to investigate.

**VAPOR HEATING CO., HARTMAN BLDG.
YORK : PA.**



We want every **BUILDER, ARCHITECT and CONTRACTOR** to call here at our **Factory and Sales-room** and examine our 1916 Model No. 25.

"Sterling" Contractors' Transit

You will find it in the "last word" in instrument construction.

DESIGNED AND MADE BY

WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

PHILADELPHIA

We repair
Transits
Levels
Tapes

Rebuilds
Instruments
For Sale
or Rent

roof, hot water heating, combination lighting. Owner is taking sub-bids.

Residences (2), Ellsworth avenue, Trenton, N. J., \$4,000. Architect, private plans. Owner, Samuel Hilton, Forst Richy Building, Trenton, N. J. Brick, 2½ stories, 32x14 feet, slate and tin roof, hot water heating, electric lighting. Owner is sub-letting all contracts.

Residences (2), Hobart avenue, Trenton, N. J., \$3,000. Architect, private plans. Owner, Samuel Lowe, Trenton, N. J. Brick, 2 stories, 13x28 feet, slag roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Garage, Trenton, N. J., \$2,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, R. C. Maxwell, Broad and State streets, Trenton, N. J. Brick, 2 stories, 20x24 feet, salt roof, steam heating, electric lighting, cement floors. Plans in progress.

Hospital (alt.), Hamilton Square, Trenton, N. J., \$4,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Tubercular Hospital, Mayor Donnelly, Trenton, N. J. Consists of new laundry equipment, plumbing, toilets, electric lighting and heating system. Architects taking bids, due September 22nd.

Garage and Office, Trenton, N. J., \$9,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, The Tattersall Co., 147 North Warren street, Trenton, N. J. Brick and steel, 1 story, 42x75 feet, slag roof, steam heating, electric lighting, cement floors. Architects have received bids.

Factory Building, Camden, N. J. Architect, Henry Boettcher, care of Armstrong Cork Co., Lancaster, Pa. Owners, Armstrong Cork Co., Liberty and Mary streets, Lancaster, Pa. Brick and steel and concrete, 2 stories, 220x94 feet, gravel roof, fire doors, kalamine doors, reinforcing rods (steel work, ornamental iron, heating, plumbing, electric work, painting, steel rolling doors and steel sash reserved). Owners have received bids.

Church, Butler street, Trenton, N. J. Architect, Walter Thomas Mayo, 1701 Chestnut st., Philadelphia. Owners, Italian Baptist Church, Butler street, Trenton, N. J. Brick, 1 story, 60x45 feet, slag roof, Architect taking bids, due September 16th. The following are figuring: F. B. Davis, 240 North Sixteenth street, and Thomas C. Trafford, 1613 Sanson street, both of Philadelphia, and S. W. Clayton, Wil-

liam Musson and Charles R. Randall, all of Trenton, N. J.

Picture Theatre, 1521 Mt. Ephraim avenue, Camden, N. J. Architect, Thomas Stephen, Masonic Building, Camden, N. J. Owner, Meyer Teitleman, Camden, N. J. Brick and concrete, 1 story, 35x100 feet, slag roof, steam heating, electric lighting, hardwood floors, 4 ventilators. Owner ready for sub-bids.

High School, Port Norris, N. J., \$20,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, Port Norris, N. J. Brick, 2½ stories, 60x57 feet, slate roof. Plans in progress.

Yacht Club, Beach Haven, N. J., \$5,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Little Egg Harbor Yacht Club, Beach Haven, N. J. Frame and stucco, 2½ stories, 30x50 feet, shingle roof. Plans in progress.

Sewerage System and Disposal Plant, Seaside Park, N. J., \$25,000. Engineers, Remington & Vosbury, 601 Market street, Camden, N. J. Owners, Borough of Seaside Park, N. J., care of Frank Brockway, Borough Clerk, Seaside Park, N. J. Consists of 8,000 feet of 8-inch and 12-inch terra cotta sewers, 24 man-holes, pumping station, 2-story settling tank, chemical house, submerged outfall. Engineers will be ready for bids, due September 24th.

Home (alt. and add.), North Warren street, Trenton, N. J., \$10,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owners, Oriol Order of Eagles, No. 100, Trenton, N. J. Brick, 3 stories, 110x27 feet, slag roof, steam heating, tile and hardwood floors, combination lighting. Architect has received bids.

Residences (2), Revere avenue, Trenton, N. J., \$5,000. Architect, private plans. Owner, Elmer H. Stout, Trenton, N. J. Stone and frame, 2½ stories, 25x43 feet, slate roof, hot water heating, combination lighting. Owner taking sub-bids.

Hotel (alt. and add.), 457 South Broad street, Trenton, N. J. Architects, W. W. Slack & Son, Trenton, N. J. Owner, Julius Sabo, Trenton, N. J. Brick and frame, 3 stories, 54x150 feet. Plans in progress.

Residence, Bywood, N. J. Architect, Theo. F. Fetter, 4822 North Eleventh street, Philadelphia. Owner, W. Atlee Ermold, Manhattan Building, Philadelphia. Hollow tile, 2½ stories, 24x34 feet, shingle roof, electric lighting. Plans in progress.

streets, Trenton, N. J., \$8,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owner, I. J. Keuper, South Clinton and Division streets, Trenton. Brick, 2½ stories, 25x80 feet, slate and slag roof, combination lighting, composition and tile floors, metal lath, metal ceilings (heating reserved). Contract awarded to W. J. Morris, Trenton, N. J.

Store, 114 North Broad street, Trenton, N. J., \$2,500. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, I. Garb, 326 North Broad street, Trenton, N. J. Consists of general remodeling of interior. Contract awarded to Howard W. Parrish, 1020 Division street, Trenton.

Factory, Calhoun and Merion streets, Trenton, N. J., \$50,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owners, Fitzgibbons & Crisp Co., on premises. Brick and steel, 1 story, 90x700 feet, slag roof, electric lighting, concrete and wood floors, Lupton steel sash (steam heating reserved). Contract for mason work awarded to Scott & Day, Trenton, N. J. Contract for carpentry awarded to Carl Poinsett, Trenton, N. J.

Factory, Trenton, N. J., \$30,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton, N. J. Owners, Hill Refrigerator Co., Trenton, N. J. Brick, 1 story, 100x400 feet and 42x112 feet, slag roof, steam heat, electric lighting, wood and concrete floors, Lupton steel sash. Contract for mason work awarded to Burton & Burton, Trenton, N. J. Architect taking bids on mill work, electric work, heating and carpenter work this week.

Stores and Apartments, Trenton, N. J., \$12,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, J. Green, Trenton, N. J. Brick and hollow tile, stone trimmings, 3 stories, 26x100 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Contract awarded to Levy & Pletz, Trenton, N. J.

Garage, Spring Lake, N. J. Architects, Watson & Huckle, 1211 Walnut street, Philadelphia. Owner, William White, Trenton, N. J. Frame, 36x25 feet, shingle roof, hot water heating. Contract awarded to H. H. Moore, Trenton, N. J.

Bungalow, Pine Valley, N. J. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Joseph H. Baker, 3800 Girard avenue, Philadelphia. Frame, 1½ stories, 30x50 feet, asbestos shingle roof, hot air heating, electric lighting, tile work. Contract awarded to W. Atlee Ermold, Manhattan Building, Philadelphia.

Parish House, Pennsgrove, N. J., \$3,000. Architect, Robinson L. Perot, 34 South Seventeenth street, Philadelphia. Owners, Church of the Merciful Saviour, Pennsgrove, N. J. Frame, 24x51 feet, 1 story, composition roof (plumbing, heating and electrical work reserved). Contract awarded to Elfreth & Wood, 1708 Sanson street, Philadelphia.

Residences (10), rear of Steamboat street, Trenton, N. J., \$10,000. Architect, private plans. Owner, Lewis Olinsky, 452 Lambert street, Trenton, N. J. Frame and stucco, 2 stories, 13x26 feet, slag roof, hot air heating, gas lighting. Contract awarded to David Teitz & Son, Trenton, N. J.

Residences (4), Steamboat street, Trenton, N. J., \$5,000. Architect, private plans. Owner, Lewis Olinsky, 452 Lambert street, Trenton, N. J. Brick, 2 stories, 13x28 feet, slag roof, hot air heating, gas lighting. Contract awarded to David Teitz & Son, Trenton, N. J.

Residence, Oak Lane, Trenton, N. J., \$3,000. Architect, private plans. Owner, Lew Hughes, 560 Oak lane, Trenton, N. J. Brick and frame, 2½ stories, 18x50 feet, slate roof, hot water heating, electric lighting. Contract awarded to Ernest V. Robinson, Trenton, N. J.

Garage, Washington street, Trenton, N. J., \$5,200. Architect, private plans. Owner, Rowlo Palowby, Trenton, N. J. Brick, 2 stor-

(Continued on page 598.)

NEW JERSEY

Contracts Awarded

Residence (alt. and add.), Riverton, N. J. Architect, C. E. Schermertorn, 430 Walnut street, Philadelphia. Owner, R. V. Hollingshead, Riverton, N. J. Consists of new porches, decks and entrances, etc. Contract awarded to Thomas H. Miller, Camden, N. J.

Residences (5), 851 Van Hook street, Camden, N. J. Architect, private plans. Owners, Knight & Sheppard, Camden, N. J. Brick, 2 stories, 14x42 feet, slag roof, hot air heating,

gas lighting. Contract awarded to Conrad Lambert, 1255 Morton street, Camden.

Church, Long Branch, N. J., \$9,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, Holy Trinity Church, Trenton, N. J. Brick, 35x74 feet, slate and tin roof, metal lath (lighting reserved). Contract awarded to Michael E. Viracola, Long Branch, N. J.

Store and Residence, Broad and Harrison

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., SEPTEMBER 15, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Maurar, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President.....M. B. Medary
First Vice-President.....J. P. B. Sinkler
Second Vice-President.....A. H. Brockie
Secretary.....Horace Wells Sellers
Recorder.....Arthur I. Meigs
Treasurer.....George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President.....John F. Harbeson
Vice-President.....Herman L. Duhring
Secretary.....Wilbur H. Tusler
Treasurer.....Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzinger.

Editorial Comment

The fact that ruinous competition is gradually driving out many of the oldest concerns in the building field is forcing renewed interest in the much-discussed subject of quantity-estimating. There is just one notable difference between estimating as it is done by the average builder and quantity estimating. In estimating, as it is usually practiced, a man with considerable experience in building costs supplements a certain amount of figuring with a guess at what it will cost to do a given piece of work, adding to this guess a reasonable profit on the job. If everything goes well and his guess was a good one the firm he represents makes some money. If things go wrong he makes a desperate effort to wriggle out by beating the specifications or ringing in extras, failing in which, the firm he represents loses money.

In quantity estimating this element of guess-work is practically eliminated. A man trained in this particular line of work takes off the quantities with an accuracy that enables the prospective bidder to figure with almost uncanny exactitude not what the building may cost, but what it will cost. Nothing remains for the builder but to tack on what he considers a fair margin of profit and turn in his bid.

The guess-work is eliminated. Barring strikes, uncalculated difficulties in procuring materials and bad weather, the builder cannot fail to come out with the job on the right side of the ledger.

Mr. D. S. Ballantine, in the "Building Age," in writing on the "Quantity System," says:

"From personal experience of the 'Quantity System,' I can assure the reader that by its adoption the contractors of this country will greatly benefit themselves and generally raise their standard of business. There is no reason why we should not wish to profit by the experience of others, and establish a universal method of estimating on the principle of the Quantity System as practiced successfully in London, revised and adjusted as may be found necessary to meet the requirements of this country and forming the basis of an American System as advocated by G. Alexander Wright, of San Francisco, and others. The length of time, the labor involved and the precise method adopted by the Quantity Surveyor in the preparation of the bill or schedule are immaterial to the contractor, and would not concern him any more than do the time and labor necessarily employed in preparing the drawings by the architect.

"A comprehensive and intelligible Bill of Quantities, defining the exact amount and description of the materials and labors, guaranteed to the contractor and forming part of his contract, would be of inestimable benefit. The necessity of taking off his own quantities, and the consequent expense, loss of time, and inevitable risk of errors are avoided. A few

minutes' perusal of the drawings at the office of the architect in order to familiarize himself with the style and nature of the proposed structure, a visit to the site, pricing the bill and extending would constitute the entire work of the estimator.

* * *

"By a concentrated and honest effort on the part of the more representative contractors of the country, through their associations, the Quantity System might be well established, and I think it reasonable to assume it will receive the support of the architectural profession. Considerable has been written in its favor, and from a practical test it is understood to have been so far successful. All radical changes take time to accomplish, and their first efforts may not always wax enthusiasm. The cause is an excellent one, however, and must and will succeed, and it should receive the support of every contractor's association throughout the country, and the interest of the individual member. By establishing classes for the training and preparation of Quantity Surveyors, a great deal would result toward furthering the scheme, and it would be interesting to many to hear through these columns that some such move is being made in that direction.

* * *

"As a matter of fact, contractors undertaking large works frequently employ skilled men of experience to make up their estimates before sending in their tenders for work, and they find it relieves them from a great deal of inconveniences and worries, besides that feeling of uncertainty and doubt which always haunts the builder who makes up his own estimates. When an expert is employed to make up the figures on a job, he is supposed to know of everything that is required to complete it, and it naturally follows that no item of work or material is overlooked, and this gives confidence to the contractor, with an assurance that everything on the work has been accounted for. The Quantity Surveyor makes it his business to learn the prices and cost of everything he deals with, also the cost of transportation, moving earth, excavations, scaffolding, hoisting machines, and other tools and appliances that may be employed temporarily or otherwise on the works; and will know how to charge for their uses while on duty. To become a successful Surveyor or Estimator, a man must be more than an ordinary man, and possess a broad knowledge of arithmetic and geometry, and a familiarity with the building trades in every branch. That will take time, money and close application to acquire."

* * *

"Building trade activity evidently turned a corner in August," says "Bradstreet's," "because that month's report of expenditures is one of the best in some time. Some explanation, however, necessarily goes with the

fact that August this year showed a gain of 13.7 per cent. in expenditure over the like month a year ago, and that the gain shown is the largest reported in any month since early in 1913.

"It should, first of all, be recorded that August a year ago saw a check administered to a very promising growth in building trade expenditures and that as a result of the shock to all credit, and industry caused by the war building expenditures for August fell heavily below those of July, and totals have never since equaled those recorded in June, 1914. In fact, except for a fraction of 1 per cent. gain in expenditures in May this year, the percentage of gain shown in August is the first since July, 1914, and is the largest since early in 1913.

* * *

"Because of the slump in August a year ago, the gain this year is a liberal one, but it is worth noting that with only 132 cities' reports available, the grand total expenditure for August is only a little below the aggregate at 152 cities in 1913, and the month's full returns will undoubtedly show a total in excess of that of 1913 and next in importance to the high record August total of 1912.

"The total value of the building expenditure at 132 cities for August this year was \$63,907,981, a gain of 13.7 per cent. over August, 1914, and comparing with a decrease of 14.4 per cent. in July and 21.8 per cent. in June, and a gain of only three-tenths of 1 per cent. in May. The number of permits granted in connection with this expenditure was 20,834, an increase of 6.3 per cent. over August last year, and in this connection it is worth noting that only two groups of cities, the Southwest and the far Western, show fewer permits, while the Southwestern, the Southern and the far Western show smaller expenditures than a year ago in August.

* * *

"Not quite half the gain at the entire 132 cities is furnished by New York (three boroughs reporting), which gains 36.4 per cent. over a year ago in August. Chicago shows an even larger quantitative gain than New York, \$3,744,000, against \$3,372,000 at New York, with a gain of 64.8 per cent. Other good increases shown are those by Buffalo, 23.6 per cent.; Philadelphia, 51 per cent.; Cincinnati, 204 per cent.; Detroit, 36.7 per cent.; Milwaukee, 72.7 per cent.; Minneapolis, 9.3 per cent., and St. Paul, 66.9 per cent. Large decreases are reported by Newark, N. J., 82 per cent.; Pittsburgh, 34 per cent.; Cleveland, 14 per cent.; Los Angeles, 6.9 per cent.; San Francisco, 31 per cent., and Seattle, 71 per cent. In all, 65 cities show gains, while 66 show decreases from August a year ago.

"For eight months of the year building expenditures aggregate \$534,787,839, a decrease of 8.4 per cent. from a year ago, which in turn showed a decrease of 5.5 per cent. from 1913, the latter falling 5 per cent. from 1913."

* * *

If the builder of the present day, accustomed to steel, brick and concrete, were to find himself suddenly called upon to bid on a log

house or a school of this primitive material, he'd be at some loss how to proceed. Here in the East we've got past the log cabin stage of building, but in Canada and in the West there is still a considerable demand for this type of "country house." A specification, printed in a recent number of "The National Builder," covering a log school house to be erected in Montana, is interesting as showing a few of the difficulties faced by the pioneers in American building. This is it:

"One log house 20x30 feet inside (the logs are on the ground). Height from floor to ceiling, 10 feet, the logs must be hewn on the inside. Cement foundation 12 inches thick, 2x8 joists, 19 inches apart, double bridged, double floor, rough lumber with building paper between with hard yellow pine matched top floor. Wainscoting 4 feet high from the floor; 6 windows, 3 on each side; size of window glass, 14x30. One door in each end of the room, 2 feet 8 inches by 6 feet 8 inches; 2 inches thick, with 12-inch transom. Ceiling joists 2x6 inches, 2 feet apart. Shiplap must be put on ceiling, with wall board on top and walls to meet wainscoting. Rafters 2x6 inches, 2 feet apart; roof sheathing solid with building paper between sheathing and shingles. Shingles must be laid 4 inches to weather. Gable ends shingled with building paper between. One brick chimney, height 4 feet from top of roof, put in middle of room. Shutters on outside of windows. One shed or entrance, 8 feet long and 10 feet wide, to be put in main building walls from floor 10 feet high. Roof must be same height as main building with paper and shingles, also gable end must be same as main building. Rough lumber on wall with paper and siding on outside. One window, 12x24 glass. Belfry put on top for school bell. One door, 2 feet 8 inches by 6 feet 8 inches, 2 inches thick, with mortised lock."

* * *

No constitutional amendment in New York State received more representative or influential support than that relating to the limitation of the height of buildings and the districting of cities into zones. It was urged upon the convention by the Advisory Council of Real Estate Interests, the Chamber of Commerce, the Merchants' Association, the Brooklyn Bureau of Charities, the Charities Organization Society, the Fine Arts Federation, the Municipal Art Society and the Fifth Avenue Association.

Notwithstanding the fact that thirty amendments, approved by various sub-committees, were placed upon the calendar of general orders in the convention, Senator Root directed that the amendment relating to the limitation of buildings' height and the zoning of cities should be placed upon the list of special orders for immediate consideration of the convention. This privilege was accorded to no other amendment upon the list.

During the discussion there was no opposition manifested by any delegate or any speech delivered against the amendment. This fact in itself was unprecedented during the consideration of any other amendment before the convention.

One way to escape the income tax is to quit advertising and do less business.

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

WHOSE FAULT IS IT?

(New York Commercial.)

New York's skyscrapers are to be investigated by the Board of Health. As they have been built under the direction of that and half a dozen other boards and civic departments in recent years, the inquiry will be a trial of city officials rather than of owners and tenants. If they are unhealthy, whose fault is it? It will surprise those who occupy them if they find out that they are working in slums. Some of the older buildings have been blanketed and deprived of the light and air they once enjoyed, but that is the fault of the law and the building department. The State abolished the ancient easements of light and air generations ago.

TO FORM LINCOLN HIGHWAY.

Henry B. Joy, president of the Lincoln Highway Association, is expected to arrive in this city in a few days to aid in the selection of the exact streets which will form the Lincoln Highway.

Architects are now at work designing an artistic marker to be placed along the way. The result is going to be a fitting tribute on the part of Philadelphia to the man for whom the Lincoln Highway stands as an everlasting memorial.

LONGFELLOW'S HOME.

Longfellow's home, Craigie House, in Cambridge, is to be preserved for the public. Several months ago, says the Boston "Transcript," it is learned from the filing of the will of Mrs. Richard Henry Dana (Edith Longfellow Dana), daughter of the poet, the surviving heirs agreed to entrust the house to three trustees, together with a sum of money for upkeep, for a triple purpose: (1) "As a specimen of the best Colonial architecture of the eighteenth century"; (2) "As a historical monument of the occupation of the house by George Washington during the siege of Boston in the Revolutionary War"; (3) "As a memorial to Henry Wadsworth Longfellow."

Longfellow heirs may live in the house by paying rent. When the time comes that no surviving heir wishes to do that the mansion is to be managed solely as a memorial "for the benefit of the public." Thus, definitely and without further action, Craigie House is placed forever among the State's public monuments to art and patriotism, and to celebrate equally one who pleaded for justice, humanity, and, particularly, the beautiful.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



NEW JERSEY CONTRACTS AWARDED.

(Continued from page 595.)

ies, 20x72 feet, slag roof, steam heating, electric lighting. Contract awarded to Frank Russo, 220 Butler street, Trenton, N. J.

Factory, Lambertville, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Lambertville Rubber Co., Lambertville, N. J. Brick, 3 stories, 60x110 feet, slag roof (electric work, heating, plumbing and elevators reserved). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Miscellaneous Construction News

Die Shop, Hamtranck, Mich. Architects, Smith, Hinchman & Grylls, 710 Washington Arcade, Detroit, Mich. Owners, Dodge Bros., Hamtranck, Mich. Reinforced concrete, 4 stories, 50x100 feet, steel sash, dampproofing, waterproofing, asbestos roof, cement tile roof, safety treads. Architect has received bids.

Pressed Steel Shop (add.), Hamtranck, Mich. Architects, Smith, Hinchman & Grylls, 710 Washington Arcade, Detroit, Mich. Owners, Dodge Bros., Hamtranck, Mich. Reinforced concrete, 4 stories, 22x300 feet, steel sash, asbestos roof, dampproofing, waterproofing. Architect has received bids.

Residence, Thompkinsville, Staten Island, N. Y. Architect, J. P. Street, Drexel Building, Philadelphia. Owners, Misses Annie F. and Margaret Wood, on premises. Hollow tile and stucco, 2½ stories, slate roof, hot air heating. Owners taking bids.

Passenger Station, Washington Court House, Ohio. Architect, private plans. Owners, Baltimore & Ohio Railroad Co., Baltimore, Md. Brick and concrete, 1½ stories, 47x71 feet, tile roof, steam heating, promenade tile floors, dampproofing, safety treads. Owners have received bids.

Once-in-a-while advertising is like once-in-a-while eating. Good in its way, but decidedly not nourishing.

MARYLAND Construction News

Y. W. C. A. Building, Franklin street, Baltimore, Md. Architect, Joseph Evans Sperry, Calvert Building, Baltimore, Md. Owners, Y. W. C. A., Miss L. H. Harman, secretary, Park avenue and Franklin street, Baltimore, Md. Brick, steel and stone, fireproof, 7 stories, 68x140 feet, slag roof, steam heating, electric lighting, elevators, tile work and marble work, concrete fireproofing.

Immigration Station, Baltimore, Md. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Stone, terra cotta, reinforced concrete and steel, fireproof. Hospital building, 4 stories, 130x40 feet; administration building, 3 stories, 100x400 feet; receiving and detention building, 2 stories, 53x150 feet; power house and laundry building, 2 stories, 56x37 feet, slag, promenade tile, tin and slate roofs, reinforcing bars, safety treads, waterproofing, wire cloth, tile work, metal weather strips (heating, plumbing, electric work and elevators separate bids). Lowest bid submitted by A. Dall & Co., Cleveland, Ohio.

Garage, Baltimore, Md. Architect, Stanislaus Russell, 2900 Clinton avenue, Baltimore. Owners, Eastwood Garage Co., care of architect. Brick, 1 story, 100x115 feet, slag roof. Plans completed. Architect ready for bids.

Garage and Show Room, between Oak street and Maryland avenue, \$15,000. Architect, Stanislaus Russell, 2900 Clinton avenue. Owners, Scholl-Crouch Auto Co., 1919 North Charles street, Baltimore. Brick, 1 story, 56x185 feet. Architect is taking sub-bids.

Residence, Charles street and Bolonna avenue, Baltimore. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, George Gunther, 36 Gunther Building, Baltimore. Brick, 2 stories, 62x128 feet, steam heating, electric lighting, waterproofing. Architect taking bids, due September 22nd. The following are figuring: John Hietz & Sons, 3 Clay street; A. F. West, 15 East Lafayette street; E. G. Turner, 15 East Lafayette street; Fred Decker & Son, 1209 East Biddle street; Henry Smith & Sons Co., German and Light streets; R. B. Mason, 308 West Madison street; West Construction Co., Knickerbocker Building, all of Baltimore.

MARYLAND Contracts Awarded

Residence, Stevenson Station, Md., \$100,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Walter B. Brooks, Commerce and Water streets, Baltimore. Brick and plaster, 2½ stories, 48x189 feet; wing, 84x45 feet, slag and copper roof, concrete floors, reinforcing bars, marble and tile work, metal bath, steam heating (electric work, hardwood and parquetry floors and weather strips reserved). Contract awarded to the West Construction Co., Knickerbocker Building, Baltimore, Md.

Store (alt. and add.), 319 West Lexington street, Baltimore. Architect, Benjamin Frank, 328 North Charles street, Baltimore. Owners, Henry L. Frank & Co., 501 American Building, Baltimore. New front and general alterations. Contract awarded to the Consolidated Eng. Co., 243 Calvert Building, Baltimore.

Residence, Guilford, Md., \$7,000. Architect, E. L. Palmer, Jr., Baltimore. Owner, Mrs. Emma G. Fassett, 1312 Lunvale street, Baltimore. Stucco, 2½ stories, slate roof, tile work. Contract awarded to Gustav S. Tohr, 2851 Pennsylvania avenue, Baltimore.

Garage, Stratford and Greenway streets, Baltimore, \$1,500. Architect, Walter M. Gieske, 65 Gunther Building, Baltimore. Owners, Mrs. G. W. Gail, Stratford and Greenway streets, Baltimore. Brick, 1 story, 28x22 feet, canvas roof. Contract awarded to W. E. Harn Co., 213 North Calvert street, Baltimore.

Garage (add.), Lovegrove alley and Trenton street, Baltimore, \$8,000. Architect, John Freund, 506 Hoffman Building, Baltimore. Owners, Auto Outing Co., 21 East North avenue, Baltimore. Brick, 1 story, 41x58 feet, slate roof, steam heating. Contract awarded to Edward Brady & Son, 1113 Cathedral street, Baltimore.

Residence, Greenway, Guilford Park, Baltimore, \$3,000. Architect, Howard Sill, 11 East Pleasant street, Baltimore. Owner, Jessie L.

Boydton, 5 Light street, Baltimore. Stone, 2½ stories. Contract awarded to Gladfelter & Chambers, 729 Roland avenue, Baltimore.

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

WHY WE DO IT.

Advertise and the world buys of you;

Renig, and you need a loan.

If you never tell what you have to sell,

You'll have troubles all your own.

—*Los Angeles Evening Herald.*

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Louis Laib (O), 6638 Torresdale avenue. Cost, \$4,000. Two dwellings, brick, 2 stories, 16x40 feet, Marsden and Unrush streets.

W. B. Shock (O), Chestnut Hill. Cost, \$5,000. Two dwellings, stone and brick, 3 stories, 14x40 feet, Gravers lane and Noorwood streets.

John Swaysaki (O), 442 Leverington avenue. Cost, \$1,600. Dwelling, stone and brick, 2 stories, 16x40 feet, Rifha and Pechin streets.

Mfg. Realty Co. (O), Fifth and Chestnut streets. H. C. Rea Co. (C), 1027 Wood street. Cost, \$110,000. Factory, brick, 6 stories, 98x149 feet, Eleventh and Race streets.

South wark onst. Co. (O), 360 Winton street. Cost, \$62,200. Twenty-eight stores and dwellings, brick, 14x40 feet, Wolf and Lee streets.

Schlosberg & Cohen (O), 2534 Hollywood street. Cost, \$53,800. Twenty-six stores and dwellings, brick, 2 stories, 14x40 feet, Gaul and Birch streets.

William A. Young (O), 135 West Gravers lane. Harry Dean (C), East Shawnee avenue. Cost, \$3,280. Dwelling, Gravers land and Shawnee street.

Charles Gilbert (O), 72 Powers lane. Sam'l R. Edge (C), 5014 Willow Grove avenue. Cost, \$33,000. Dwelling, brick, 2 stories, 16x45 feet, Gibson and Powers lane.

S. J. Kennedy (O), 33005 F street. Harry Moyer (C), 2029 Wishart street. Cost, \$18,000. Nine dwellings, brick and stone, 2 stories, 15x38 feet, Atlantic and Emerald streets.

City of Philadelphia (O). H. H. Wehmeyer (C), 1004 West Lehigh avenue. Cost, \$104,000. Fire house and police station, Hunting Park avenue and Schuyler street. Brick, 3 stories, 122x180 feet.

John Hollingsworth (O), 1929 East Allegheny avenue. Joseph M. Nutt (C), 1929 East Allegheny avenue. Cost, \$1,900. Dwelling, Second and Tabor streets, brick, 2 stories, 16x28 feet.

John M. Snyder (O), Sydenham and Houden streets. Cost, \$23,700. Fourteen dwellings, brick, 2 stories, 16x32 feet, Fourth and Ashdale streets.

Joseph S. Milue (O), Fifth and Lehigh avenue. Joseph Ashley (C), Fox Chase, Philadelphia. Cost, \$4,500. Dwelling, stone, 2 stories, 40x35 feet, Thirteenth and Leoney streets.

Clavin W. Rogers (O), 232 South Forty-ninth street. Cost, \$30,800. Eleven dwellings, stone and brick, 2 stories, 16x34 feet, Fifty-sixth and Pine streets.

J. Jameson (O), 2681 East Huntingdon street. Cost, \$3,000. Stone and brick, 2 stories, 14x36 feet. Two dwellings, 2527-29 Albert street.

William A. Morgan (O), 2654 Tulip street. Cost, \$11,000. Seven stores and dwellings, brick, 2 stories, 14x44 feet, Belgrade and Lefevre streets.

Kean & Spwan (O), 158 South Fifty-second street. Jacob Fieldstein (C), Hale Building. Cost, \$8,000. Dwelling and store, brick and stone, 3 stories, 25x33 feet, 5202 Summer street.

Louis Leitenberger (O), 7345 Oxford street. Cost, \$6,400. Four dwellings. Brick, 2 stories, 14x45 feet, Claredge and Bleigh streets.

James Bromley (O), Adams and Leoper streets. George H. Thirsk (C), 2739 Jasper street. Cost, \$15,000. Factory, brick, 4 stories, 113x58 feet, Adams and Leiper streets.

Brehm & Stehle (O), Trenton and Allegheny avenue. Cost, \$2,000. Dye house, Trenton and Allegheny avenue.

J. B. Oblinger (O), Lancaster, Pa. Mervine Bros. (C), 217 South Eighth street. Cost, \$600. Stores and factory, 435 Market street.

F. Mirtzman (O), 1205 Columbia avenue. Mervine Bros. (C), 217 South Eighth street. Cost, \$1,200. Store and dwelling, 1205 Columbia avenue.

Dr. Speakman (O), 1825 Chestnut street. John Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$650. Offices, 1823 Chestnut street.

American Coalette Co. (O), Twenty-first and Westmoreland streets. John Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$1,250. Manufacturing building, Twenty-first and Westmoreland streets.

Hugh Sannon (O), 4934 North Fifth street. H. D. Phifer (C), 3627 North Ninth street. Cost, \$690. Store, 4934 North Fifth street.

Turnbull Waste Manufacturing Co. (O), Levering and Baker streets. T. H. Yarnall (C), 7533 Ridge avenue. Cost, \$3,300. Storage, Levering and Baker streets.

Michael T. Ryan (O), 3549 Richmond street. Joseph A. Ryan (C), 3549 Richmond street. Cost, \$400. Storage and shop, 2717 East York street.

Gillinger & Sons (O), State road and Deverouse street. Cost, \$800. Shop, State road and Deverouse street.

Pasquale Fete (O), 1022 Catherine street. Cost, \$600. Residence, 110 West Girard avenue.

De Lucas Bros. (O), 919 South Eighth street. S. D. DeMarzo (C), 1003 Annin street. Cost, \$600. Store and dwelling, 919 South Eighth street.

Mary Jones (O), 239 South American street. Frank U. Yeager, 9 South Thirty-sixth street. Cost, \$2,000. Store and dwelling, 5901 North Broad street.

Pennsylvania Laundry Co. (O), 313 North Thirty-second street. Boon & Sample (C), 1708 Arch street. Cost, \$800. Garage, 3230 Wallace street.

Harbison's Dairy (O), Front and Diamond streets. Steel & Wike (C), 533 North Thirtieth street. Cost, \$2,500. Dairy, Front and Diamond streets.

E. E. Pennock (O), 5722 Greene street. William C. Wright (C), 22 Harvey street. Cost, \$700. Dwelling, 5722 Greene street.

City of Philadelphia (O). John H. Green & Co. (C), 1004 West Lehigh avenue. Cost, \$9,000. Fire house, Rising Sun Lane and Summerville street.

Thomas Peak (O), 18 North Eleventh street. A. M. Barclay (C), 113 North Sixth street. Cost, \$1,200. Saloon, 18 North Eleventh street.

P. A. B. Widened (O), Broad and Walnut streets. George A. Fuller (C), Widener Building. Cost, \$1,200. Hotel, Broad and Walnut streets.

Mrs. Rudolph Rauer (O), 656 North Fifteenth street. C. F. Bachler, 146 North Tenth street. Cost, \$867. Garage, 4303 Locust street.

Henry R. Shoeh, 1503 North Sixteenth street. J. H. Hinkle & Co. (C), Hutchinson and Venango streets. Cost, \$2,316. Manufacturing building, Twenty-fourth and Hunting Park avenue.

C. McDermott (O), Broad and Ridge avenue. John McShain (C), 1610 North street. Cost, \$650. Store and dwelling, 1388 Ridge avenue.

H. Viirbitsky (O), Seventh and Jackson streets. Frank & Kaiser (C), 1522 South Sixth street. Cost, \$725. Store and dwelling, Seventh and Jackson streets.

One secret that has been fairly well kept is the secret of success. Strange, too, when so many people are anxious to tell about it.

Alterations and Additions

Gustav Spitz (O), Waterloo and Somerset streets. Albert Schmitt (C), 2449 Hancock street. Cost, \$500. Garage, Waterloo and Somerset streets.

Mrs. Eliza Fenton (O), 2334 West Penn street. George Akroyd (C), 124 West Horter street. Cost, \$540. Dwelling, 5312 Prisialli street.

E. Large (O), 4724 Garden street, Bridesburg. Wormick Bros. (C), 4526 East Thompson street. Cost, \$400. Dwelling, 4724 Garden street, Bridesburg.

Edwin B. Raynor (O), East Shawmont avenue. John H. Walter (C), 168 East Walnut lane. Cost, \$1,200. Stable, Shawmont and Eve avenue.

Mrs. Mary K. Joyce (O), 1728 North Eighteenth street. R. Kauffman (C), 3355 Frankford avenue. Cost, \$500. Dwelling, 1728 North Eighteenth street.

Abrasive Material Co. (O), Bridesburg. Cost, \$1,200. Boiler house, James and Fraley streets.

Penn Farmer (O), 261 South Third street. I. T. Shoemaker (C), 1309 Walnut street. Cost, \$1,200. Offices, 261-63 South Third street.

Joseph Jantz (O), 3104 North Fifteenth street. William J. Bryan (C), 278 South American street. Cost, \$1,500. Dwelling, 3102 North Fifteenth street.

M. A. Felin (O), 4330 North Broad street. John Dear (C), 4544 Greene street. Cost, \$850. Store, 5007 Germantown avenue.

E. B. Callin (O), 5117 Pine street. E. R. Labirs & Co. (C), Fifty-fourth and Cedar avenue. Cost, \$650. Dwelling, 5117 Pine street.

Irene Flonmen, 1702 Federal street. J. P. Dillon (C), 1223 South Twentieth street. Cost, \$1,000. Store and dwelling, 1702 Federal street.

United States Melting Co. (O), 1615 Spring Garden street. A. C. Schoen, 237 West Wyoming avenue. Cost, \$800. Factory, 1615 Spring Garden street.

Pennsylvania Mutual Life (O), 1619 Arch street. H. G. Hammer (C), Glenside, Pa. Cost, \$1,617. Offices, 1619 Arch street.

O. Smith (O), 420 Marvine street. P. Blifgerr (C), 967 North Randolph street. Cost, \$400. Store, 437 West Girard avenue.

H. A. May Foundry Co. (O), Thirtieth and Ludlow streets. S. L. Levy (C), Thirtieth and Ludlow streets. Cost, \$400. Foundry, Thirtieth and Ludlow streets.

Gucker Bros. (O), 42 Chestnut avenue. Pringle Borthwick (C), 8018 Germantown avenue. Cost, \$2,000. Storage, Prospect avenue and Summit street.

Howard Jones (O), 5321 North Twelfth street. Harry E. Haldino (C), 4862 North Fifteenth street. Cost, \$400. Dwelling, 5321 North Twelfth street.

John E. Rafferty (O), 4128 North Broad street. Cost, \$500. Dwelling, 4128 North Broad street.

A PHASE OF CITY PLANNING

Improvement of Small Business Districts—How Excellent Results May Be Attained by Harmony of Design—An Extravagant Expenditure is Not Necessary to Accomplish the Best Results.

City planning is a subject now receiving considerable thought and study. Volumes have been written regarding it. The press has advocated it. In the early future all progressive cities and towns will have adopted an intelligent and comprehensive city plan. Until that date comes, however, much can be accomplished by individual effort and through the activities of business associations.

In the humble spirit of one who has for a number of years made a study of the progress both in this country and abroad, I offer some observations and suggestions on one phase of the subject—the reconstruction of small business districts at street intersections; and transfer points in our cities, that has not been featured to the extent the possibilities would seem to warrant.

The utter lack of architectural accomplishments in the development of these districts is readily accounted for when one has studied their growth from inception. Having done this, one feels like excusing the earlier activities as the element of chance involved did not warrant the destruction of existing structures which could be readily altered into store rooms or the building of permanent structures. Happily so, as the permanency of these districts as business centers is now established sufficiently to warrant their studied and harmonious reconstruction.

What is typically true of one community seems universally true of all of our cities. Particularly communities in the older cities of the East which having reached a more settled growth their future can be more readily anticipated and the possibility of accomplishing something worth while is to be expected.

The Chamber of Commerce of Cleveland bridged the usual objects of public indifference and enlightenment and gave to that city the magnificent civic center now in the progress of attainment. The publicity given this one effort has attracted world-wide attention, suggesting a city of high ideals. What they have accomplished for a whole city it would be reasonable to expect similar organizations could do for a small community.

Whether it be one of the many dotting our large cities, or an individual city or town with one business district. Merchants, professional men doing business in these communities, generally have associations for the advancement of the commercial welfare of the community. If the value of good architecture and the adoption of a comprehensive plan for the gradual rebuilding of these districts could be forcibly brought to the attentions of these associations they would advocate, encourage and demand better buildings.

They would adopt a color scheme, a type of architecture, an effectual street and store illumination, uniform and continuous sidewalk construction, telephone pole and billboard elimination. They would not permit the unsightly and decidedly unnecessary sign painting on sides and fronts of buildings and the tacking of signs over every available foot of store front by distributors of foodstuffs, soap, tobaccos, etc. The architect can do much to improve these communities when called upon to design a facade. Countless structures stand as mute evidence substantiating the fact that the effect of his building on the sky line and its relation to adjoining buildings usually receive scant or possibly no consideration. This individual treatment produces irregular and uninteresting blocks of buildings with roofs of different pitches, stories of various heights, large projecting cornices and no cornices, any one of which standing alone might be considered appropriate, but which does not fit into the mass of buildings of which it is a part. It thus bespeaks a lack of communistic feeling among those who should be as one for the betterment of the community—the property owner. While it is not always possible to do so, the architect should advocate fireproof construction, the use of lasting and enduring material, avoiding shams. The speculating builder should be discouraged unless he recognizes the value of good architecture.

If those who finance the building operations at these districts, particularly those who are making an investment from which they expect an income, could be made to realize that the better reconstruction of these districts would tend to establish and attract trade, resulting in higher land value, better rentals and more successful merchants, they would gladly co-operate and encourage and transfer these districts into spots of beauty rather than continue as ugly and haphazard blemishes on the city maps. Real activity along the lines here suggested could be undertaken without the tedious task seemingly necessary to arouse city planning on a large scale. In fact, a good start made by any community in a large city would be given so much publicity that a sort of rivalry between the various districts would bring out the best talent available to work out and perfect the details necessary to assure the best results and would tend to educate the public to the possibilities of city planning on an elaborate and extensive scale.

It must not be inferred that an extravagant expenditure is necessary to accomplish something worth while. Indeed, the mere doing what needs doing well, if persisted in along practical lines with an ever conscious desire to do it beautifully will produce permanent and satisfying results. It will exercise

an influence far reaching in the effect not only in the community taking the initiative, but its contingent residential section, and the city at large. It will hasten the day when the city beautiful will be a reality instead of a vague possibility.

Obstacles, it is true will arise to impede the progress of even earnest consideration of an improvement of this character. But if undertaken with determination and willingness to strive for its attainment seeming difficulties will be overcome until even the greatest obstructionist will turn to be an enthusiastic booster. Many plans of procedure suggest themselves to the writer, but as this article is intended to merely set forth the possibilities, rather than a practical plan of accomplishment, no attempt has been made to go into this phase of the subject any more than to suggest that associations wishing to undertake a movement of this character should enlist the services of one who can see its possibilities and commission him to make a general survey of the community and prepare a report embodying his ideas of recommendations. This could be turned over to a committee of three—one representing the Association, one the property owners and the third representing the residential section.

The committee could then proceed in an intelligent manner.—M. A. Crowe, in "The Ohio Architect."

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 1, 1915.—Sealed proposals will be opened in this office at 3 p. m., October 13, 1915, for the construction, complete (including mechanical equipment, lighting fixtures, and approaches), of a one-story and basement, brick, terra-cotta, and stone-faced building of 4,115 square feet ground area), fireproof construction, composition and tile roof, for the United States post office at Naugatuck, Conn. Drawings and specifications may be obtained from the custodian of the site at Naugatuck, Conn., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 4, 1915.—Proposals will be opened in this office at 3 P. M., October 7, 1915, for the construction complete (including mechanical equipment) of medical officers' quarters at United States Marine Hospital, Wilmington, N. C. Drawings and specifications may be obtained from the custodian at Wilmington, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 7, 1915.—Sealed proposals will be opened in this office at 3 P. M., October 19, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at Norton, Va. Two story and basement building; ground area, 4,000 square feet; fireproof except roof; brick and stone facing; composition roof. Drawings and specifications may be obtained from the custodian of the site at Norton, Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.
Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lane Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,

131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori:g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo."
Howard Ketcham, 3rd & Girard ave., Phila.
"Utility," Frank C. Gillingham & Son Co.
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co., Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

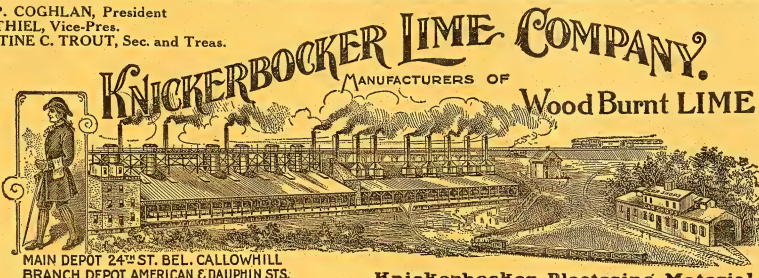
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

SPECIAL

OFFER



You have experimented with many waterproofing compounds containing "Stearates" or other Soaps. IMPERVITE is not a soap: it is the only compound which is an "Asphaltic Emulsion."

Let us prove that one pound of Impervite is better than two pounds of Soap Compound.



We can send you Official Government Tests and scores of enthusiastic letters from Users—but will this SATISFY you?

In order to give you an opportunity to PROVE our claims, we are willing to send you 25 pounds of Impervite for \$2.00 (freight prepaid by us) with the understand-

ing that if it does not prove more efficient than the compound you are now using, you will be under no obligation to pay us. We are willing to let YOU be the judge. Write to day. Why not get THE BEST?

The Standard Paint Co.
NEW YORK BOSTON CHICAGO

When writing to advertisers, please mention **THE BUILDERS' GUIDE.**

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

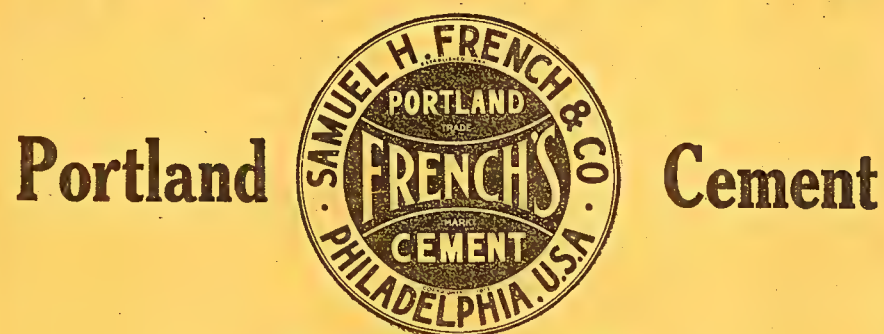
ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 38.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 22, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

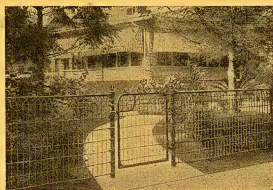
THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.

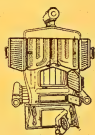


Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.

MILLS



"Guarantee"

We stand back of our Boiler.

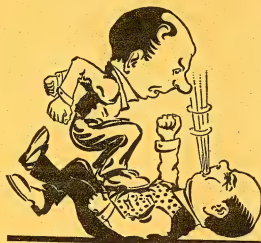
They will do everything we claim for them.

Send for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGEE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



The reputation of "F-S" Products has a solid found- ation.

Our claim to quality for "Alba Flint Enamel" rests on fifty years of giving satisfaction. You can safely specify it for inside and outside work. It is easy-flowing and dries with a permanent gloss. One coat is equal to two of many other enamels, and it is durable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA
(117)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

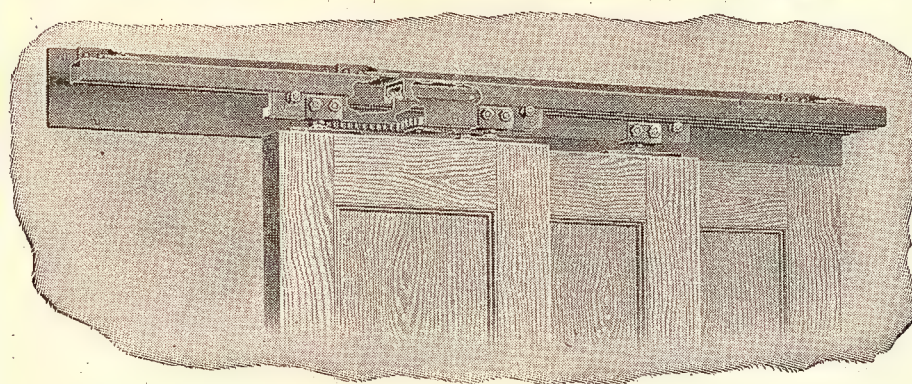
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages? Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.
1511 Sansom Street, Philadelphia

James P. Farrell Co.

1621 Sansom Street, Philadelphia

Engineers and Contractors

STRUCTURAL STEEL : ORNAMENTAL IRON

Designs and Estimates Furnished

The Standard Documents of the American Institute of Architects

The New Contract Documents of the American Institute of Architects are now on sale and replace the old Uniform Contract, which is to be discontinued

PRICES FOR SINGLE COPIES

Agreement and General Conditions in cover	 \$.10
Bond of Suretyship	02
Form of Subcontract	02
Letter of Acceptance of Subcontractor's Proposal	01
Complete set in cover	15

Trial set delivered upon receipt of nine 2-cent stamps.

These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

F. WEBER & CO. Architects, Artists' & Engineers Supplies 1125 Chestnut St., Phila., Baltimore, Md. St. Louis, Mo.

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel. Keep out Dust.
Afford Protection against Drafts.
Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MACDOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 38.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 22, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Armory, Thirty-second and Lancaster avenue, Philadelphia, \$75,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Major B. W. Deming, secretary, Harrisburg, Pa. Red tapestry brick, granite and limestone trimmings, 2 stories, 129x305x216 feet, slag roof, steel stack, damp-proofing, iron stairs, safety treads, metal lath, terrazzo floors (heating, plumbing and electric work separate bids). Owners taking bids (revised), due September 24th. The following are figuring: John N. Gill Co., Heed Building; William R. Dougherty, 1610 Sansom street; Ketcham & McQuade, 1029 Brown street; Fidelity Const. Co., Heed Building; P. J. Hurley, 1233 Cherry street; H. L. Brown, 1714 Sansom street; Edward F. Fonder, Land Title Building; Mitchell Bros., 2125 Race street; Thomas Reilly, 1616 Thompson street; William Steele & Sons, 1600 Arch street; W. W. Anstine & Co., 1214 Filbert street; Abel Bottoms & Sons Co., 41 South Fifteenth street; Melody & Keating, Bailey Building; McCloskey & Bahls, Hale Building, all of Philadelphia.

Residences (4), Mt. Airy avenue and Ardleigh streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. H. Parker, 535 Loudon street, Philadelphia. Stone and plaster, 2½ stories, 16x50 feet, slate roofs, hot water heating. Plans completed. Owner ready for sub-bids.

Residences (18), Trenton avenue and Somerset streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John Connell, Crozer Building, Philadelphia. Brick, 2 stories, 15x32 feet, slag roof, hot air heating. Plans completed. Owner ready for sub-bids.

Residences (10), Forty-fourth and Peach streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, C. W. Rogers, Forty-ninth and Locust streets, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, hot water heating. Plans completed. Owner ready for sub-bids.

Residences (24), 4500 North Thirteenth street, Philadelphia. Architect, private plans. Owner, Henry P. Schneider, 3713 Old York

road, Philadelphia. Brick, 2 stories, 15x46 feet, slag roof, hot water heating, hardwood floors, tile bath. Owners taking sub-bids. Work about to be started.

Caretaker's House, Black Oak Park, Fifty-second and Pine streets. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, City Hall. Brick and stucco, 1 story, slate roof. Owners will advertise for bids in a few days.

Manufacturing Building, Front and Erie avenue, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Hess-Bright Co., on premises. Brick, steel and concrete, 1 story, 40x40 feet, wood roof. Architects taking bids. The following are figuring: Ketcham & McQuade, 1029 Brown street, and Harrison C. Rea Co., 1021 Wood street, Philadelphia.

Hospital and Power House, Fifty-third and Cedar avenue, Philadelphia, \$200,000. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, The Misericordia Hospital, care Sisters of Mercy, Merion, Pa. Brick, stone and steel and concrete, fireproof, 7 stories, 50x200 feet; power house, 1 story, promenade tile roof, concrete, fireproofing, metal lath, tile and marble work (heating, plumbing, electric work and elevators reserved). Revised plans in progress. Architects will take bids in about two weeks.

School, Sixty-third and Elmwood avenue, Philadelphia (addition). Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Consists of completion of present alteration and addition. Lowest bid submitted by Charles D. Burns, Bridgeport, Pa., who will probably be awarded the contract.

Store and Apartment House, 311 South Fifth street, Philadelphia. Architect, B. J. Medoff, 524 Walnut street, Philadelphia. Owner, Mrs. J. Stalberg, 1331 South Sixth street, Philadelphia. Brick, 3 stories, 21x102 feet, asbestos roof, fire tower, electric lighting, vapor vacuum heating. Plans in progress. Architect will take bids in about one week.

Residences (76), Fourth and Ritner streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bierns

& Cylinder, 521 Mifflin street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hot water heating. Plans completed. Owners ready for sub-bids.

Boiler House (alt. and add.), 1914 North Fourth street, Philadelphia. Architect and engineer, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Querns Bros., 1914 North Fourth street, Philadelphia. Brick and concrete, 1 story, slag roof, metal frames and sash, toilet rooms. Architect has received bids.

Residence, Oak Lane, Pa. Architects, Simon & Bassett, 112 Chestnut street, Philadelphia. Owner, Dr. Clarence V. Clemmer, 906 West Sixty-ninth avenue, Philadelphia. Stone, 2½ stories, 32x40 feet, slate roof, hot water heating. Plans in progress. Architect will take bids in about ten days.

Garage, Ninth and Girard avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Bechtold & Peterson, 803 West Girard avenue, Philadelphia. Brick, 120x100 feet, slag roof, steam heating. Owners have received bids.

Factory, 2031-2035 Washington avenue, Philadelphia. Architects, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Merchant & Evans Co., 517 Arch street, Philadelphia. Frame, 2 stories, 60x230 feet, slag roof. Plans in progress. Architect will soon take sub-bids.

Fire House and Police Station, 4245 Paul street, Frankford. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, City Hall. Consists of painting, new steam heating system and general interior and exterior alterations and repairs. Plans about completed. Owners will advertise for bids in a few days.

School (add.), Seventieth and Woodland avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Land Title Building, Philadelphia. Consists of 9-room addition to present structure, brick, 3 stories, slag roof. Plans about completed. Architect will be ready for bids in about ten days.

Bridge, Orthodox street, Frankford, Philadelphia. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

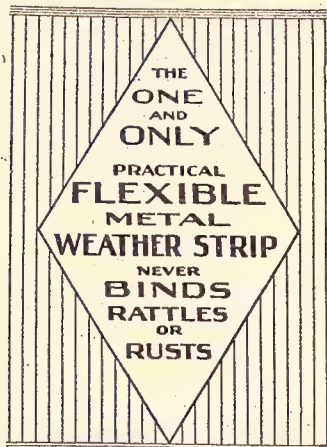
125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked 13/16" x 2 1/4" and 3 1/4" face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for **POSITIVE** Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Philadelphia, Department of Bridges, City Hall. Steel, concrete abutments and deck, 50 feet wide and 80 feet long. Owners taking bids, due September 29th. Plans may be seen at Room 416, City Hall.

Bridge, Torresdale, Pa. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Philadelphia. Steel encased in concrete, 70 feet wide and 80 feet long. Owners taking bids, due September 29th. Plans may be seen at Room 416, City Hall.

Bridge, Fifty-fourth street and P. B. & W. R. R., Philadelphia. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Philadelphia. Steel encased in concrete, 70 feet wide and 150 feet long. Owners taking bids, due September 29th. Plans may be seen at Room 416, City Hall.

Bridge, Sherwood road, Overbrook, Philadelphia. Engineer, George S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, Philadelphia. Concrete arch with rubble wing, walls 20 feet span, 90 feet long. Owners taking bids, due September 29th. Plans may be seen at Room 416, City Hall, Philadelphia.

Residences, Hunting Park and Germantown avenues. Architect, private plans. Owner, John Janko, Broad below Cheltenham avenue, Philadelphia. Stone and brick, 2 stories, 16x30 feet, slag roof, hot air or hot water heating, combination lighting. Owner is taking all sub-bids.

Garage, Sixty-third and City line, Overbrook, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Mrs. Cyrus Chambers, Jr., Sixty-third and City line, Philadelphia. Stone and half timber, 1 1/2 stories, 29x27 feet, slate roof, steam heat. Architects taking bids, due September 25th. The following are figuring: F. B. Davis, 240 North Sixteenth street; Elfretth & Wood, 1708 Sansom street, and Milton W. Young, Overbrook, Pa.

Toilet Building and Storage, Falls of Schuylkill, Pa. Engineers, S. G. Matthews & Co., 916 North Ninth street, Philadelphia. Owners, John & James Dobson, Inc., Falls of Schuylkill plant. Stone, 3 stories, 46x22 feet and 25x22 feet, structural steel, lumber and mill work, steel sash, metal lath, waterproofing, iron stairs, slag roof (stone work, lighting and heating reserved). Engineers will take bids,

due September 24th at 9 A. M., and will submit all contracts.

Bridge, Emerald street, Philadelphia. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railroad, Twelfth and Market streets, Philadelphia. Steel, encased in concrete, 250x70 feet. Owners taking bids, due September 27. The following are figuring: Day & Zimmerman, 611 Chestnut street; Brown-King Const. Co., Commercial Trust Building; James A. McGraw Const. Co., Commercial Trust Building, Philadelphia.

Automobile Show Rooms, Nineteenth and Market streets, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner's name withheld. Brick, terra cotta and concrete, 4 stories, 65x110 feet, slag roof, electric lighting. Plans in progress.

Store Building (alts.), 2700 Lehigh avenue, Philadelphia. Architect, L. E. Denslow, 44 West Eighteenth street, New York City. Owners, United Cigar Stores Co., 44 West Eighteenth street, New York City. Consists of new bulk windows and interior alterations, marble and tile work, metal ceilings (electric work reserved). Owners taking bids, due September 21st. Smith-Hardican Co., 1606 Cherry street, and Edward Fay & Son, 2 South Mole street, are figuring.

Factory (alt. and add.), Main street and Walnut lane, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Robert Krook, on premises. Brick, steel and concrete, 2 stories, 32x62 feet, slag roof, steel sash, waterproofing, fire doors, reinforcing bars (heating and electric work reserved). Architects taking bids, due September 25th. The following are figuring: Turner-Concrete Steel Co., 1713 Sansom street; Barclay White Co., Perry Building; Frank E. Wallace, 1220 Chancellor street; William H. Eddleman & Son, 453 Green lane; E. L. Cuthbertson, 334 Roxborough avenue, Philadelphia.

Department Store, 833-35 Market street, \$100,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Blauners, Inc., 833 Market street, Philadelphia. Brick, concrete, terra cotta and steel, fireproof, 4 stories, 43x200 feet, slag roof, steam heating, electric lighting, tile and marble work, elevators. Plans in progress.

Sunday School Building, Fox Chase, Phila-

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY

PHILADELPHIA

BUILDING LUMBER

delphia. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, Fox Chase Memorial Presbyterian Church, Rev. Henry W. Bloch, 321 Borbeck avenue, Fox Chase, Philadelphia. Stone, 2 stories, 40x55 feet, slate and slag roof. Architect taking bids, due September 28th. The following are

figuring: Specht & Sperry, Heed Building; Thomas C. Trafford, 1613 Sansom street; Jas. B. Flounders, 1329 Arch street, Philadelphia; William C. Wright, 22 Harvey street, Germantown; Joseph Ashby, Second street pike, Fox Chase, Pa.; W. John Stevens, Wyncote, Paa.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Toilet Building, Sixteenth and Glenwood avenue, Philadelphia, \$1,000. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., care of F. W. Smith, Jr., Jersey City. Brick, 1 story, 14x16 feet, slate roof. Contract awarded to A. L. Carhart, Hale Building, Philadelphia.

Stable (alt. and add.), Sixty-second and Glenmore avenue, Philadelphia, \$1,330. Architect, private plans. Owner, John McConnell, Sixty-second and Gray's avenue, Philadelphia. Consists of general alterations. Contract awarded to William J. Mitchell, Seventy-seventh and Lyons avenue.

Garage, 4357 Girard avenue, Philadelphia, \$850. Architect, private plans. Owner, Peter Anighi, Belmont and Girard avenue, Philadelphia. Consists of general interior alterations. Contract awarded to Edward H. Reuss, Jr., 921 South Forty-sixth street, Philadelphia.

Garage, Hunting Park and Germantown avenue, \$10,000. Architect, private plans. Owner, John Janke, Broad and Cheltenham avenue, Philadelphia. Brick, 2 stories, 100x70 feet, and 1 story, 26x79 feet, slag roof, hot air heating, electric lighting. Owner will build.

Ice Cream Factory (add.), 806 to 810 Cumberland street, Philadelphia. Architects, Koelle Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., 900 Cumberland street, Philadelphia. Brick, 4 stories, 49x90 feet, slag roof, rolling steel doors, metal sash, elevator (electric work reserved). Contract awarded to Koelle Speth & Co., Twenty-sixth and Thompson streets.

Warehouse (alts.), Carpenter street, Fifteenth to Sixteenth streets, \$5,000. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Lessees,

Merchants' Warehouse Co., on premises. 54x397 feet, consists of new wood floor in first story and minor alterations. Contract awarded to Metzger & Fisher, Denekla Building, Philadelphia.

Garage, 6124 Nassau road, Overbrook, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Charles Diefer, 1245 North Fifty-eighth street, Philadelphia. Brick and plaster, 1 story, 15x21 feet, slag roof, electric lighting. Contract awarded to Harry Davis, 5100 Westminster avenue, Philadelphia.

Garage (alt. and add.), 415 North Fifty-eighth street, Philadelphia, \$1,500. Architect, private plans. Owner, Harry A. Veit, Newtown Square, Pa. Consists of general interior alterations. Contract awarded to Jas. M. Holm, 5556 Arch street, Philadelphia.

Garage, 6142 Nassau street, Philadelphia. Architect, private plans. Owner, W. B. Rush-ton, 6142 Nassau street. Consists of general alterations. Contract awarded to Harry Davis, 5100 Westminster avenue, Philadelphia.

Residence and Garage, Wissahickon avenue, \$35,000. Architects, Savery & Savery, Stephen Girard Building Philadelphia. Owner, Frederick Wolstenholme, 26 Letitia street, Philadelphia. Stone, 2½ stories, 83x41 feet; wing, 41x26 feet; garage, 2 stories, 51x35 feet, shingle roof, oak floors, tile work, metal lath (heating, plumbing and electric work separate bids). Contract awarded to A. L. Fretz & Sons, 1222 Chancellor street, Philadelphia.

Storage Building, Twenty-fifth and Hunting Park avenue, Philadelphia, \$3,500. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Edw. G. Budd Manufacturing Co., on premises. Steel and corrugated iron, 1 story, 163x15 feet, corrugated iron roof, steel sash. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue, Philadelphia.

PENNSYLVANIA Construction News

Factory, Pennsylvania avenue, Wilkes-Barre, Pa., \$100,000. Architect, Henry A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, R. S. Williams, 124 East Market street, Wilkes-Barre, Pa. Lessees, Planters' Nut and Chocolate Co., 79 East Northampton street. Brick, steel and hollow tile, 5 stories,

120x52 feet, slag roof, steam heating, electric lighting, elevator, metal lath, waterproofing and dampproofing. Architect taking bids, due September 29th.

Church, Berwick, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre. Owners, St. Mary's R. C.

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

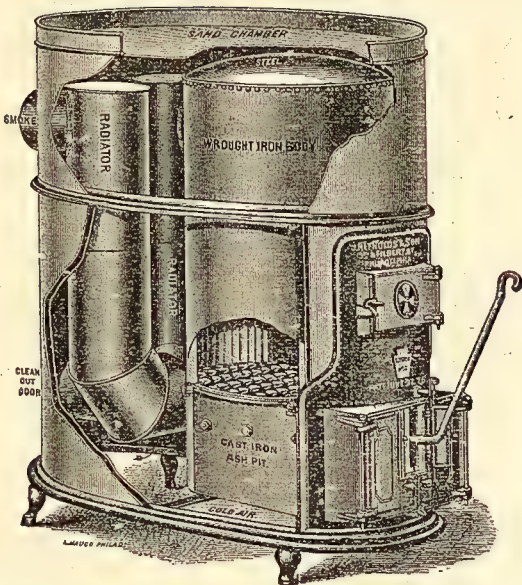
PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

No matter how small or how large your kitchens, we have All-Gas Kitchen equipments to exactly meet your requirements.

Let us co-operate with you. We have ideas that will save you money.

Call up the "Builders and Operators Division."

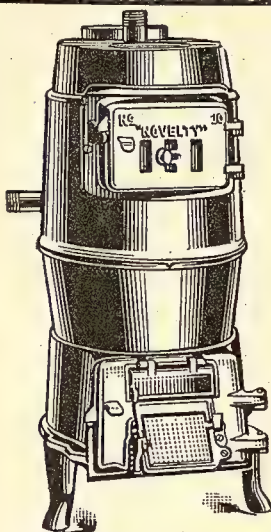
—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

Church, Berwick, Pa. Brick, 1½ stories, 40x101 feet, slate roof, steam heating, electric lighting. Owners taking general bids.

Boiler House, North River and Auburn sts.,



"NOVELTY REMINDERS"

The "Novelty" Tank Heater

Has more distinctive features than any similar appliance and will produce maximum results with low fuel consumption

The demand for Tank Heaters is large and one installed in your houses will add to their value.

Why not have the best?—"The Novelty"

Manufactured in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

Wilkes-Barre, \$25,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Wilkes-Barre City Hospital, Dr. MacRea, Wilkes-Barre. Reinforced concrete, steel and brick, 2 stories, 46x55 feet, 42x33 feet, slag roof (steam heating reserved), electric lighting, steel sash, reinforced concrete coal bunkers, Saums preservative. Architects taking bids, due September 27th. The following are figuring: Sheppard Const. Co., I. M. Leach, Curtis & Co., Walborn & Barney and E. T. Long Co., all of Wilkes-Barre, Pa.

Picture Theatre, Pottsville, Pa., \$50,000. Architect, W. H. Lee, Shamokin, Pa. Owner, Philip Brenneman, Pottsville, Pa. Hollow tile, stucco and steel, 3 stories, 329x30 feet, slag roof, steam heating, electric lighting. Architect taking bids.

Schools (2), Jenkins Township, Pa. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Board of Education, Jenkins Township, Pa. Frame and brick veneer, 2 stories, 40x80 feet, slag roof (heat reserved), electric lighting. Architect taking bids, due in one week.

Bungalow, Lake Carey, Pa., \$12,000. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre. Owner, J. Kilcorne, Wilkes-Barre, Pa. Stone and frame, 1½ stories. Plans in progress.

Store and Apartments, Carey avenue, Wilkes-Barre, Pa., \$7,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre. Owner, Fred Hileman, Wilkes-Barre. Pentex tile, 2 stories, 44x62 feet, slag roof, steam heating, electric lighting. Architect taking bids. Eckenrode Bros., Adam Hilderbrandt and W. B. Richards, all of Wilkes-Barre, Pa., are figuring.

Sewerage System and Disposal Plant, Hanover Township, Pa., \$600,000. Engineers, Boyle & Howe, Wilkes-Barre, Pa. Owners, Hanover Township, Pa. Concrete. Plans in progress.

Masonic Temple, Wilkes-Barre, Pa., \$75,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Masonic Temple, H. Rust, chairman Building Committee, Masonic Temple, Wilkes-Barre, Pa. Brick and terra cotta, 4 stories, 58x120 feet, slag roof, steam heating, gas and electric lighting, hardwood floors, tile work, steel lockers, dumbwaiters. Architects will take bids in one week.

Business College, Linden and Jefferson sts., Scranton, Pa., \$40,000. Architects, Davy & Crowthers, Coal Exchange Building, Scranton, Pa. Owners, Scranton-Lackawanna Business

College, Scranton, Pa. Brick, steel and terra cotta, 4 stories, 50x82 feet, slag roof (steam heating and plumbing reserved), combination lighting, metal lath, waterproofing. Architects ready for bids.

Hotel, Olyphant, Pa., \$12,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, E. A. Rogan, Olyphant, Pa. Frame and stucco, 2 stories, 58x54 feet, slag roof, electric lighting, tile and hardwood floors, Bishopric board. Architect taking bids, due September 25th. The following are figuring: Washburn & Williams, Hower & Stender and A. A. Kearney, all of Scranton, Pa.; Peck Lumber Co., Olyphant, Pa., and Dickson Lumber Co., Dickson City, Pa.

School, Carbondale Heights, Pa., \$150,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owners, Board of Education, Carbondale, Pa. Brick, 3 stories, 90x186 feet, slate roof, hot air heating, combination lighting. Plans completed. Architect ready for bids.

Residences (200), Bethlehem, Pa., \$500,000. Architect, George S. Welsh, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Weston, Dodson Co., Inc., care of architect. Architect taking all sub-bids on 36 two-story residences to be built at once, to test merit of materials. Balance of 200 will be built within a year.

Hotel (alt. and add.), Scranton, Pa. Architects (associated), Charles P. Krieg, McKenzie, Voorhees & Gmelin, 1123 Broadway, New York City. Owners, Casey Hotel Co., P. J. Casey, president, Scranton, Pa. Brick, hollow tile and steel, fireproof, 9 stories, 200 rooms with baths and showers, 78x42 feet, slag and tile roof, metal lath, marble and tile work, ornamental iron work, vacuum heating, electric lighting, dampproofing. Architect taking bids, due September 27th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, is figuring.

Residence, Hazleton, Pa., \$40,000. Architect, Thomas H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre. Owner's name withheld. Hollow tile and brick, 3½ stories, 50x75 feet, slate roof, electric lighting, hardwood and tile floors, waterproofing. Plans in progress.

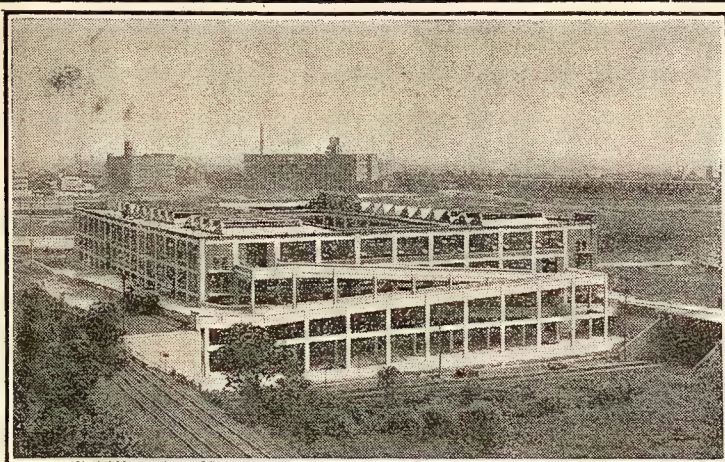
Stores (5), Wilkes-Barre, Pa., \$10,000. Architect, Thomas H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre. Owner, Gildersleepe Estate, Wilkes-Barre, Pa. Brick and hollow tile, 1 story, 75x60 feet, slag roof, electric lighting. Plans in progress.

Hotel (add.), Scranton, Pa. Architects, Charles P. Krieg associated with McKenzie,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

Voorhees & Gmelin, 1123 Broadway, New York City. Owners, A. J. & P. J. Casey, Hotel Casey, Scranton, Pa. Brick, stone, hollow tile, concrete, 9 stories, 78x42 feet, slag and tile roof, metal lath, marble and tile work ornamental iron work, vacuum heating, electric lighting, 200 baths and showers, dampproofing. Architect taking bids, due September 27th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, is figuring.

Garage, Disston street, Tacony, Pa. Architect, private plans. Owner's name withheld. Stucco, 1 story, 20x40 feet, slag roof. F. W. Van Loon, Denckla Building, Philadelphia, taking sub-bids on all lines.

Dry Kiln Building, Tacony, Pa. Architect, private plans. Owners, Henry Disston & Sons, Inc., Tacony, Pa. Brick and reinforced concrete, 1 story, 36x40 feet, slag roof. F. W. Van Loon, Denckla Building, Philadelphia, taking sub-bids on all lines.

Post Office and Court House (extension and remodeling), Harrisburg, Pa. Architect, Jas. A. Wetmore, Supervising Architect, Washington, D. C. Owners, United States Government, Treasury Department, Washington. Granite, 2 stories, 120x100 feet, slate roof, steam heating, reinforced concrete, metal lath, composition floors, marble and terrazzo work, weather strip, ornamental iron work, mechanical equipment. Architect taking bids, due September 28th. F. W. Van Loon, Denckla Building, Philadelphia, is figuring.

Residence, Moylan, Delaware County, Pa. Architect, Edwin Bowden, Drexel Hill, Delaware County, Pa. Owner, F. V. Warren, 316 North Thirty-seventh street, Philadelphia. Stone, 2½ stories, 65x42 feet, shingle roof, warm air heating, tile work, electric lighting. Architect taking bids. E. J. Kreitzburg, 1345 Arch street, Philadelphia, is figuring.

Church (int. alts.), Scranton, N. J., \$15,000. Architect, Edward H. Davis, Connell Building, Scranton, Pa. Owners, First Welsh Church, Scranton, Pa. Electric fixtures, hardwood and tile floors. Owners will take bids in one week.

Church, Throop, Pa., \$45,000. Architect, J. J. Howley, People's Bank Building, Scranton, N. J. Owners, St. Anthony's Polish R. C. Church, care of Rev. R. A. Wiesiolowski, Throop, Pa. Brick and stone, 1 story, 60x130 feet, slate roof, steam heating, electric lighting, composition floors. Owners taking bids.

Church (add.), Pittsburgh, Pa. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, St. Andrew's Episcopal Church, Pittsburgh, Pa. Consists of chancel appointments, altars, screens, sanctuary, etc. Plans in progress.

Passenger Station, Kiskiminetas Junction, Pa. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 1 story, stone and terra cotta, 28x97 feet; 2 wings, 1 story, 19x15 feet, steam heating, tile roof, metal lath, composition flooring. Architect taking bids, due September 24th. In addition to those previously reported, Charles McCaul Co., 1713 Sansom street, Philadelphia, is figuring.

Loft Building, Wilkes-Barre, Pa. Architect, Julius J. Anderson, Drexel Building, Philadelphia. Owner's name withheld. Brick, 3 stories and basement, 45x112 feet, iron stairs, fire tower, metal lath, electric lighting, slag or National Wide Veld Security roofing (heating reserved). Plans almost completed. Architect will take bids in a few days.

Stable, Glenside, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, A. R. Nickolson, Wyncote, Pa. Hollow tile and stucco, 26x36 feet, asphalt shingles, cement floors. Architects have received bids.

Residence (alt. and add.), Torresdale, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Mrs. Harriet M. P. Massey, Bake House, Torresdale, Pa. Stone, 2 stories, 25x35 feet, shingle roof. Plans completed. N. K. Freas, Andalusia, Pa., will build.

Residence, King of Prussia, Pa. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owner, C. W. Bray, R. F. D. No. 1, Bridgeport, Pa. Stone, 2½ stories, 82x29 feet, shingle roof, hot water heating (heating reserved). Architect has received bids.

Residence (alt. and add.), Chestnut avenue, Chestnut Hill, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, M. F. Hanson, 515 East Sedgwick street, Chestnut Hill. Stone, 2½ stories, slag roof, metal lath, tile work, composition flooring, oak floors (plumbing and electric work reserved). Architect has received bids.

Dairy House, Newtown Square, Pa. Architects, Duhring, Okie & Ziegler, Bailey Build-



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work
Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

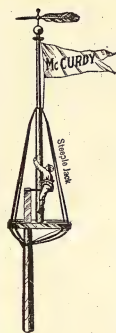
Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

**STEEPLEJACK
CANVAS ROOFING**

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches

Steel Cabinets

Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.

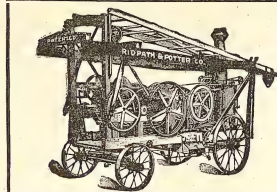
ing, Philadelphia. Owner, Miss Anne Vancain, Newtown Square, Pa. Stone, 1 story, 30x40 feet, shingle roof, electric lighting. Architects have received bids.

Residence (alt.) and New Garage, Cynwyd, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, William Simpson, Cynwyd, Pa. New bay window in residence. Garage, stone, 1 story, 20x27 feet, shingle roof, electric lighting. Architect has received bids.

Residences (2), Elkins Park, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 21x43 feet; wing, 15x18 feet, 39x37 feet, slate roof, hot water heating, hardwood floors, tile baths. Architects will take bids in one week.

Distillery, Chester, Pa., \$300,000. Engineers, Wadleigh & Osborne, Real Estate Trust Building, Philadelphia. Owners, Stewart Distilling Co., 254 South Third street, Philadelphia. Brick, steel, concrete and mechanical equipment. Plans in progress. Too early for details.

School (add.), Bustleton, Pa. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Land Title Building, Philadelphia. Brick, 2 stories, con-



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

sists of new six-room addition, slag roof. Plans about completed. Architect will be ready for bids in about ten days.

Residence (alt. and add.), Wynnewood, Pa. Architect, Alex. M. Adams, 1012 Walnut street, Philadelphia. Owner's name withheld. Stone and half timber, 2½ stories, 20x25 feet, slate roof, hot air heating, tile work, porch 18x60 feet. Plans in progress. Architect will take bids in two weeks.

College Building, Villanova, Pa. Architects, E. F. Durang & Sons Co., 1200 Chestnut street, Philadelphia. Owners, Order of St. Augustine, Villanova, Pa. Consists of finishing basement, dining room, kitchen and pantry, plastering, cement floors, carpentry and steam heating and painting. Architect taking bids, due September 24th. The following are figuring: William J. Dougherty, 1610 Sansom street; J. Myers & Sons, Witherspoon Building; William P. McShane, 417 South Thirteenth street, and John McShane, 1610 North street, Philadelphia.

Residence, Lansdowne, Pa. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, W. R. Huttinger, 58 West Stratford avenue, Lansdowne, Pa. Hollow tile, 2½ stories, slate roof, steam heating, electric lighting. Owner is taking bids. J. Botwright, Bulletin Building, is the only bidder.

Pumping Plant, Royersford, Pa. Engineer, William H. Boardman, 426 Walnut street, Philadelphia. Owners, Home Water Co., Royersford, Pa. Includes filter house, coagulating house, pump house. Stone, 1 story 40x50 feet, 20x40 feet, slag roof. Engineer taking bids, due September 25th. Day & Zimmer-

man, 611 Chestnut street, and Carl R. Camp, Crozer Building, Philadelphia, are figuring.

Residences (200), Williamsport, Pa. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Williamsport Board of Trade, Williamsport, Pa. Brick, 2 stories, 24x33 feet, slate roof, electric lighting, hot air heating. Architects taking bids. The following are figuring: Henry P. Schneider, 3715 Old York road; W. H. Davenport, 513 East Roxborough avenue, and Harry Brocklehurst, 512 West Norris street, all of Philadelphia.

Residence and Garage, Merion, Pa. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owner, John F. Braun, Real Estate Trust Building, Philadelphia. Brick and rough cast, 2½ stories, 60x117 feet, tile roof, heating not decided, electric lighting, tile work, hardwood floors. Architects ready for sub-bids.

Residences (5), Narberth, Pa. Architect, D. K. Boyd, northeast corner of Fifteenth and Walnut streets, Philadelphia. Owner's name withheld. Stone, hollow tile and stucco, 2½ stories, slate and tile roofs, hot water heating, hardwood floors, electric lighting. Plans in progress.

Gardener's Cottage, Narberth, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owner, John B. Williams, Narberth, Pa. Hollow tile and stucco, 1 story, 30x42 feet, shingle roof (heating and electrical work reserved). Architect taking bids, due September 24th. William D. Smedley, Narberth, Pa., and Charles C. Pace, Merion, Pa., are figuring.

PENNSYLVANIA Contracts Awarded

Store and Loft Building (alt. and add.), Washburn and South Main streets, Scranton, Pa., \$8,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Charles Mesaei, Scranton, Pa. Brick and stone, 2 stories, 16x70 feet, slate roof, steam heating, electric lighting. Contract awarded to Preitz Bros., Scranton, Pa.

Store and Apartment, Carbondale, Pa., \$24,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, Dr. M. E. Nealon, Carbondale, Pa. Brick or hollow tile, 5 stories, 34x80 feet, slag roof, steam heating, tile floors, metal lath. Contract awarded to J. A. Hoole, Carbondale, Pa.

Elks Home, Scranton, Pa., \$20,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Elks Home, Scranton, Pa. Kitchen equipment. Contract awarded to Stoehr & Fister, Washington avenue, Scranton, Pa.

Residence, Hazleton, Pa., \$30,000. Architect, J. S. Duckworth, Coal Exchange Building, Scranton, Pa. Owner, George Markle, Hazleton, Pa. Stone and stucco, 2½ stories, 70x56 feet, slate roof (electric lighting re-

served), tile work and hardwood floors. Contract awarded to H. C. Carson, 205 South Forty-second street, Philadelphia.

Residence (add.) and Garage, Haverford, Pa. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owners, Fox & Williams, 418 Walnut street, Philadelphia. Stone, frame and stucco, 2½ stories, 12x13 feet, shingle roof, hot water heating; garage, 1 story, 20x24 feet, frame and stucco, shingle roof. Contract awarded to Graham Campion Co., Heed Building, Philadelphia.

Sunday School (add.), Peckville, Pa., \$15,000. Architects, Davy & Crowther, Coal Exchange Building, Scranton, Pa. Owners, Methodist Episcopal Church, Rev. Palmer, Peckville, Pa. Frame and stucco, 2 stories, 54x76 feet, asbestos shingle roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing, sliding partitions. Contract awarded to Peck Lumber Co., Peckville, Pa.

Factory (add.), Wilkes-Barre, Pa., \$10,000. Architect, John W. Ferguson Co., Paterson, N. J. Owners, Leon Ferenbach, Wilkes-Barre, Pa. Brick, 3 stories, 45x48 feet, slag roof,

steam heating, electric lighting. Contract awarded to John W. Ferguson Co., Paterson, N. J.

Church and Sunday School, Hudson, Pa., \$10,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre. Owners, Hudson Primitive Methodist Church, Hudson, Pa. Frame, 1 and 2 stories, 42x74 feet, shingle roof, steam heating, electric lighting, metal lath, dampproofing, cast iron balcony. Contract awarded to Dunsavage & Johns, Wilkes-Barre, Pa.

Store and Apartments, Edwardsville, Pa., \$12,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner, Mrs. McHugh, Edwardsville, Pa. Brick, 2 stories, 48x62 feet, slag roof, steam heating, electric lighting, composition floors. Contract awarded to William T. Long, Plymouth, Pa.

Picture Theatre, South Main street, Wilkes-Barre, Pa., \$7,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre. Owner, Thomas Bowen, 659 South Main street, Wilkes-Barre, Pa. Brick and terra cotta, 1 story, 33x92 feet, slag roof, indirect steam heating, electric lighting, concrete floors, metal lath, dampproofing. Contract awarded

to Eckenrode Bros., Wilkes-Barre, Pa.

Stores and Apartments, Scranton, Pa., \$30,000. Architect, Albert Hartman, People's Bank Building, Scranton, Pa. Owners, Schultz Bros., Prescott avenue and Ash street, Scranton, Pa. Brick and frame, 2 stories, 50x88 feet and 64x55 feet, slag roof, steam heating, electric lighting. Contract awarded to Stender Bros., Scranton, Pa.

High School, Hughestown, Pa., \$30,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owners, School Board, care of Edward Schmaltz, Pittston, Pa. Frame, 3 stories, 78x81 feet, asbestos shingle roof (steam heating, electric lighting and electric work separate bids), composition flooring, metal lath, waterproofing, dampproofing, slate blackboards. Contract awarded to Swartz & Turon, Pittston, Pa.

Residence (alt. and add.), 302 Bala avenue, Cynwyd, Pa. Architects, Mellvain & Roberts, Land Title Building, Philadelphia. Owner, Henry A. Ingram, Cynwyd, Pa. Stone and frame, 2½ stories, shingle roof, vapor heating, electric lighting, tile work, hardwood floors. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Trust Building, Atlantic City. Owners, Knight of Columbus, Atlantic City, N. J. Frame and stucco, 1 story, composition flooring, electric lighting, shower baths. Plans in progress.

Dormitory Building, Pine Valley, N. J. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Pine Valley Golf Club, Pine Valley, N. J. Hollow tile and stucco, 2½ stories, 76x42 feet, shingle roof, electric lighting. Plans in progress.

Sunday School Building, Camden, N. J., \$30,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, State Street M. E. Church, Camden, N. J. Stone, 2 stories, slate roof, steam heating, electric lighting. Plans completed. Architect ready for bids.

Church and Sunday School, Camden, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Parkside Baptist Church, Camden, N. J. Stone, 1 story, 79x71 feet, slag roof, vapor vacuum heating, electric lighting. Plans completed. Owners are ready for bids on foundations and first story.

Home Buildings, Skillman, N. J. Architect, George S. Drew, State Capitol, Trenton, N. P. Owners, New Jersey State Village of Epileptics, Skillman, N. J. Consists of a group of 7 buildings, brick concrete, terra cotta and steel, fireproof. Cottage, 2½ stories, 116x31 feet; assembly building, 2 stories, 125x65 feet; cottage, 2½ stories, 39x60 feet; laundry building (add.), 2 stories, 25x48 feet; service building, 2 stories, 114x42 feet; cottage, 2½ stories, 98x22 feet; nurses' cottage, 2½ stories, 80x30 feet; composition and slate roofs, dampproofing, tile and marble work, composition floors, metal lath, reinforcing rods (heating, electric work and plumbing separate bids). Owners taking bids, due October 4th. The following are figuring: James H. Wells, Heed Building; Metzger & Fisher, Denckla Building; George Hogg, 1634 Sansom street; John N. Gill & Co., Heed Building; McCloskey & Bahls, Hale Building, all of Philadelphia; Butz & Clader, Allentown, Pa.; J. F. Growe Const. Co., Albany, N. Y.; W. R. Titus, Woodbury, N. J.; Gustave Dekimpe, Hoboken, N. J.; Charles D. Burns, Bridgeport, Pa.; DeRiss Bros., Nyon, N. J.; Phillipsburg Const. Co., Yonkers, N. Y.; S. W. Mather & Son, Trenton, N. J.; J. S. Rogers Co., Moorestown, N. J.; Jersey City Const. Co., Jersey City, N. J.; George B. Wills Co., 101 Park avenue, New York City; Frederick Lange, Audubon, N. J.; Hall Bros., Somerville, N. J.; The Lustbader Const. Co., 165 East Eighty-second street, New York City; M. Byrnes Building Co.; Elizabeth, N. J.; J. P. Gill, Princeton, N. J.

NEW JERSEY Construction News

Town Hall, Swedesboro, N. J. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, Borough of Swedesboro, N. J. Brick and stone, 2 stories, 40x60 feet; wing, 15x20 feet, slate roof. Plans in progress. Architect will take bids in ten days.

Hospital, Vincentown, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, Rev. A. W. Bostwick, Vincentown, N. J. Brick, 1½ stories and basement, 28x50 feet, slate roof, hot water heating. Architect has completed plans. Ready for sub-bids.

High School, Wildwood, N. J., \$75,000. Architect, Clyde S. Adams, 1309 Arch street, Philadelphia. Owners, Board of Education, W. C. Todd, secretary, Wildwood, N. J. Brick, concrete floors, 2 stories, 118x136 feet, asbestos or slag roof, safety treads, metal lath, kalamein doors, slate blackboards (heating, plumbing and electric work separate bids). Revised plans in progress. Owners will be ready for bids in about three weeks.

Residences (11), Parkside, Camden, N. J. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owners, Guarantee Realty Co., Camden, N. J. Brick, 2½ stories, 16x50 feet, slag roof, hot water heating, electric lighting, hardwood floors. Plans completed. Owners will sub-let all contracts.

Office and Chapel, Bridgeton, N. J., \$3,000. Architects, Custer & Seltzer, 302 Market street, Camden, N. J. Owners, Presbyterian Cemetery, Bridgeton, N. J. Brick, 1 story, 28x28 feet, shingle roof. Architects have received bids.

Temple Building (alt.), Camden, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, George W. Jessup & Sons, Camden, N. J. Consists of changing lodge rooms on fourth and fifth floors to 44 offices, will include mill work, metal ceilings, 3 new toilet rooms, new lighting fixtures, steam heating, revolving doors. Plans in progress.

Residence and Garage, Ventnor, N. J. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owner, Mrs. Elizabeth O'Grady Doughty, Atlantic City, N. J. Brick, 2½ stories, 40x38 feet, slate roof, vapor heating, electric lighting, hardwood floors, tile work, composition flooring, waterproofing, dumbwaiter. Architect taking bids, due September 30th. The following are figuring: J.

Mathis & Son, P. G. Hannum, Edward Collin, W. G. Taylor & Son, W. B. Porch, Samuel H. Headley, all of Atlantic City, N. J.

Apartment House, Atlantic City, N. J., \$20,000. Architect, B. Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick, 2 stories, 65x100 feet, slag roof, steam heating, electric lighting, tile work, waterproofing. Plans in progress.

Residence, Ventnor, N. J., \$20,000. Architect, B. Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Stone, brick and stucco, 4 stories, 45x65 feet, tile roof, hardwood floors, tile work, waterproofing, steam heating, electric lighting. Plans in progress.

School (alt. and add.), Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City. Owners, Board of Education, H. H. Young, secretary, Atlantic City. Brick, terra cotta, reinforced concrete and steel, fireproof, 3 stories, 90x150 feet, slag, slate and tile roofing, metal sash, kalamein doors, metal lath, slate blackboards, metal lockers, dampproofing and waterproofing, composition floors (heating, electric work and plumbing separate bids). Owners will advertise for new bids.

Apartment House, Atlantic City, N. J., \$200,000. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, Isaac Aaron, 271 South Connecticut avenue, Atlantic City, N. J. Brick, steel and stone trimmings, 4 stories, 100x140 feet and 100x100 feet, slag roof, steam heating, electric lighting, metal lath, 3 elevators, ornamental iron, 100 baths, tile work, composition flooring. Plans in progress. Owner will take sub-bids on all lines.

High School, Pleasantville, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Board of Education, Pleasantville, N. J. Brick, stone trimmings, 3 stories, 104x110 feet (heating, plumbing and electric work separate bids). Owners taking bids, due October 5th.

Residence, Ventnor, N. J. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owner, Charles Desinger, Atlantic City, N. J. Brick and stucco, 2½ stories, 32x33 feet, slate roof, vapor heating, electric lighting, tile work. Plans in progress.

Club House (alt. and add.), Atlantic City, N. J. Architect, Frank A. Berry, Guarantee

New Jersey Contracts Awarded

Club House, Spring Lake, N. J. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Spring Lake Golf Club, Spring Lake, N. J. Brick and shingles, 1½ stories, 75x180 feet, shingle roof, steam heating, electric lighting, tile work, metal lockers. Contract awarded to John R. Miller, Spring Lake, N. J.

Garage and Service Building, Delaware avenue and George street, Camden, \$40,000. Architects, Joshua C. Jefferis, 1001 Chestnut street, Philadelphia. Owners, New Jersey Auto and Supply Co., 30 South Delaware avenue, Camden. Reinforced concrete and steel, 2 or 3 stories, 80x129 feet, composition roof, electric lighting, steel windows and sash, elevators. Contract awarded to George A. Bachmann, 19 North Thirtieth street, Camden, N. J.

Don't lose your grip. Noah was 600 years old before he knew how to build an ark.

Miscellaneous Construction News

Stable and Bakery, Pennsylvania and Lincoln streets, Wilmington, Del. Architects, Peuckert & Wunder, 1310 Chestnut street, Philadelphia. Owners, William Friehofer Baking Co., Twentieth and Indiana avenue, Philadelphia. Brick, 1 and 2 stories, stable 280x100 feet; bakery, 32x102 feet; boiler house and coal storage plant, 26x137 feet, slag roof (electric work, heating, etc., reserved). Architects taking bids, due September 24th. The following are figuring: Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Ketcham & McQuade, 1029 Brown street; Philadelphia; John Healy & Son, Jos. Chunder, Haddock & Co., and David Dangel, all of Wilmington, Del.

Baking Plant, Stable and Power House, Pennsylvania avenue and Lincoln street, Wilmington, Del. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, William Friehofer Baking Co., Twentieth and Indiana avenue, Philadelphia. Brick, terra cotta, steel and concrete, 1 and 2 stories. Bakery, 100x280 feet; stable, 32x102 feet, and boiler house and coal storage plant, 26x137 feet, slag roof, cut stone trimmings (electric work, heating, etc., reserved). Architects taking bids, due September 24th. In addition to those previously reported, James H. Wells, Heed Building, Philadelphia, is figuring.

Residence, Youngstown, Ohio. Architects, Frank B. Meade & James Hamilton, Cleveland, Ohio. Owner, W. A. Thomas, Youngstown, Ohio. Brick and hollow tile, 2½ stories, 123x50 feet, tile roof, steam heating, hardwood floors, metal lath. Architects taking bids. James H. Wells, Heed Building, Philadelphia, is figuring.

Post Office, Naugatuck, Conn. Architect, James A. Wetmore, Acting Supervising Architect, Washington, D. C. Owners, United

States Government, Treasury Department, Washington, D. C. Brick and terra cotta, 77x55 feet, 1 story and basement, reinforced concrete, metal lath, red tile roof, waterproofing, terrazzo and composition floors, steam heating. Owners taking bids, due October 13th. Charles McCaul Co., 17133 Sansom street, Philadelphia, is figuring.

Residence (alt. and add.), Montchanin, Del., \$25,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owner, R. R. M. Carpenter, Dupont Building, Wilmington, Del. Hollow tile and plaster, 2½ stories addition, 54x36 feet, tile roof, oak floors, canvas floors, reinforced concrete fireproofing, reinforcing bars, metal lath (tile work, heating, plumbing and electric work reserved). Architect taking bids, due September 24th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Appraisers Stores, Boston, Mass. Architect, James A. Wetmore, Supervising Architect, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Brick, steel, fireproof, reinforced concrete and terra cotta, 8 stories and basement, 110x90 feet, promenade tile and composition roof, waterproofing and damp-proofing, metal lath, composition floors, marble and tile work. Owners taking bids, due October 8th. Cramp & Co., Denckla Building, Philadelphia, are figuring.

Fuel Oil Storage Plant, Norfolk, Va. Architects, United States Government, Navy Department, Washington. Owners, United States Government, Norfolk, Va. Two 2,000,000 gallon tanks, 106 feet diameter and 32 feet high; pump house, brick, 36x61 feet, slag roof. Owners taking bids, due October 16th. Day & Zimmerman, 611 Chestnut street, Philadelphia, are figuring.

MARYLAND

Construction News

Machine Shop, Sparrows Point, Md. Architect, private plans. Owners, Maryland Steel Co., Marine Department, Sparrows Point, Md. Brick, steel, concrete, 1 story, 180x425 feet, slag roof, steel sash. Owners taking bids, due September 17th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Warehouse, Central avenue, near Gough street, Baltimore, Md., \$7,000. Architect, not yet selected. Owners, Kaff & Co., 428 East Saratoga street, Baltimore, Md. Brick, concrete floors, 3 stories, 40x100 feet, slag roof, electric lighting. Owners will soon have plans prepared.

Steel Plant (add.), Bush and Wicomico sts., Baltimore. Engineer, private plans. Owners, Carnegie Steel Co., Pittsburgh, Pa. Owners contemplate large additions to structural steel plant. Details undecided.

Theatre (alt. and add.), near Mt. Royal avenue. Architects, Wyatt & Nolting, Keyser Building, Baltimore. Owner, B. Ulrick, Chicago, Ill. Consists of eight stores and arcade entrance. Plans in progress.

Machine Shop, Sparrows Point, Md. Engineer, private plans. Owners, Maryland Steel Co., Sparrows Point. Brick and steel, 1 story, 180x425 feet, slag roof, steel sash. Owners taking bids. The following are figuring: Burns & Russell, American Building; P. J. Cushen, 217 St. Paul street; Henry S. Rippel, 7 Clay street, all of Baltimore; Zollinger & Anderson, Pittsburgh, Pa. Contract for pile

foundations awarded to Raymond Concrete Pile Co., Munsey Building, Baltimore, Md.

Dance Hall, Garrison and Belle avenue, Baltimore. Architect, John Freund, Jr., Hoffman Building, Baltimore, Md. Owners, Garrison Country Club, on premises. Frame, 1 story, 45x90 feet, ruberoid roof. Architect taking bids. The following are figuring: John F. Hardy, C. W. Littleton & Son, W. T. Childs, H. N. Brannan and Henry Knott.

Engineering Building, Homewood, Baltimore, Md. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Johns Hopkins University, on premises. Brick and steel, fireproof, 4 stories, 100x200 feet. Architect taking bids, due September 28. The following are figuring: Edward Brady & Son, John Waters, W. E. Harn, W. E. Burnham, C. L. Stockhausen, George Bunnecke & Sons, West Const. Co., B. F. Bennett Building Co., Morrow Bros., John Hiltz & Sons, Consolidated Engineering Co., Henry Smith & Sons Co., J. Henry Miller, all of Baltimore, Md.

ABSOLUTELY NECESSARY.

We may live without poetry, music and art;
We may live without conscience and live without heart;
We may live without friends, we may live without fads;
But business to-day cannot live without ads.

Maryland

Contracts Awarded

Stable, Graves street, near Monument street, Baltimore. Architect, L. L. Wagner, Drafting Department, Baltimore, Md. Owners, Consolidated Gas, Electric Light and Power Co., Baltimore, Md. Brick, 2 stories, 100x63 feet, slag roof.

Slaughter House and Coal Storage Building, 76 Harford road, Baltimore, \$8,000. Architect, C. M. Anderson. Owners, Jaeger Bros., on premises. Brick and concrete, slag roof. Contract awarded to Consolidated Eng. Co., Baltimore, Md.

Dwelling, Hill Top Park, Md. Architect, private plans. Owners, Alexander Romans, Baltimore, Md. Hollow tile construction, 2 stories, 27x43 feet, slate roof, steam heating, electric lighting. Contract awarded to L. C. Engel, Baltimore, Md.

COMPETITION IN FIREPLACE GAS HEATER DESIGN.

The general committee on fireplace heater design in the case of the competition conducted by the American Gas Institute makes announcement that the award is in favor of R. S. Stokvis & Zonen, Ltd., Rotterdam, Holland. There were seventeen designs submitted in the competition and the judges of award were three Philadelphia architects.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 7, 1915.—Sealed proposals will be opened in this office at 3 P. M., October 19, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at Norton, Va. Two story and basement building; ground area, 4,000 square feet; fireproof except roof; brick and stone facing; composition roof. Drawings and specifications may be obtained from the custodian of the site at Norton, Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 15, 1915.—Sealed proposals will be opened in this office at 3 P. M., October 27, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of the United States post office at Monongahela, Pa. One-story-and-basement building, 5,000 square feet ground area; partly fireproof construction; brick facing with stone and terra cotta trimmings; composition roof. Drawings and specifications may be obtained from the custodian of site at Monongahela, Pa., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

W. C. Scull (O), 5705 Master street. Cost, \$92,800. Thirty-two dwellings, brick, 2 stories, 16x46 feet, Fifty-sixth and Malcolm sts.

Mary Stieher (O), 2723 Kirkbride street. William Rieness (C), 2667 Bridge street. Cost, \$3,600. Two dwellings, stone, 2 stories, 14x36 feet, Edgemont and Kirkbride streets.

T. W. South (O), 6932 Keystone street. J. E. Mattis (C), 4212 Wingohocking street. Cost, \$3,600. Two dwellings, brick, 2 stories, 16x42 feet, Langshore and Erdrich streets.

F. Warmeck (O), 2811 Overington avenue. Cost, \$33,200. Dwelling, brick and stone, 2 stories, 16x45 feet, 4467 Salmon street.

American Ice Co. (O), Sixth and Arch sts. Monaghan & Losse (C), 214 South Twelfth street. Cost, \$100,000. Three buildings, brick, 1, 2 and 3 stories, 55x70 feet, 55x120 feet, 55x121 feet, Philip and Cambria streets.

Yonker & Son (O), Fifty-sixth and Delancey streets. Ketcham & McQuade (C), 1029 Brown street. Cost, \$74,000. Picture Theatre and rooming house, brick, 1 and 2 stories, 45x140 feet and 26x140 feet, Fifty-sixth and Delancey streets.

Frank O'Brien (O), 1929 North Twenty-fifth street. H. W. Brightly (C), 1216 North Thirty-fourth street, Camden, N. J. Cost, \$54,000. Ten dwellings, stone and brick, 3 stories, 16x68 feet, Forty-fourth and Spruce streets.

David McKobbs (O), 2900 Frankford avenue. Cost, \$8,400. Seven dwellings, brick, 2 stories, 14x37 feet, 2011-23 Cornwall street.

William C. Claussen (O), 6506 Park avenue. Cost, \$5,000. Dwelling, brick, 3 stories, 26x36 feet, 6508 Park avenue.

A. Stephens (O), 608 Gray's Ferry road. A. Ruhland (C), 344 North Third street. Cost, \$9,500. Hall, brick, 3 stories, 20x66 feet, 2312 South street.

E. R. Winner (O), Wood-Norton Apartments, Philadelphia. George F. Payne (C), 401 South Juniper street. Cost, \$16,000. Dwelling, stone, 2 stories, 62x50 feet, West View avenue and Sherman street.

H. O'Neill (O), 8420 Germantown avenue.

Cost, \$5,000. Two dwellings, brick, 2 stories, 16x58 feet, 216-18 Evergreen street.

Brown & Mittleman (O), 2422 South Seventh street. Cost, \$6,300. Three dwellings, brick, 2 stories, 16x36 feet, Madison and Cedar streets.

J. K. Isman (O), 928 South street. H. Yacknitz (C), 1207 North Seventh street. Cost, \$4,400. Two stores and dwellings, brick, 3 stories, 15x35 feet, 427-29 Bainbridge street.

Louis J. Shimdheiser (O), 1120 Columbia avenue. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$4,000. Two dwellings, brick, 2 stories, 20x51 feet, Belfield avenue and Courtland street.

Walter Smith (O), 4522 Germantown avenue. M. M. Bean (C), 4411 Germantown avenue. Cost, \$3,800. Dwelling, brick, 2 stories, 16x53 feet, 1404 Wyoming avenue.

John H. McClatchy (O), Land Title Building. Cost, \$10,900. Two dwellings, stone, 3 stories, 23x34 feet, West View avenue and McCallum street.

James W. Mitchell (O), Forty-sixth and Market streets. Cost, \$15,000. Two dwellings, stone, 3 stories, 35x27 feet, Springer and Lincoln Drive.

Abe Kaplan (O), 2510 South Ninth street. Cost, \$85,000. Forty dwellings, stone and brick, 2 stories, 14x62 feet, Uercy street, between Porter and Shunk streets.

M. Sidney Wright (O), Fifth and Walnut streets. Stokes Bros. (C), 6723 Musgrave street. Cost, \$17,200. Two dwellings, stone, 3 stories, 78x22 feet, Carpenter and Cresham road.

Chris. Geirke (O), 7101 Torresdale avenue. Cost, \$7,800. Six dwellings, brick and stone, 2 stories, 15x38 feet, Friendship and Tulip streets.

John J. Felin & Co. (O), 4142 Germantown avenue. Fidelity Const. Co. (C), Heed Building. Cost, \$115,000. Warehouse and smoke house, reinforced concrete, 5 and 6 stories, 28x54 feet and 62x100 feet, 4142-56 Germantown avenue.

avenue. John McShain (C), 1610 North street. Cost, \$800. Restaurant and dwelling, 685 North Broad street.

Gulf Refining Co. (O), Morris Building. Scott W. Hahn (C), Glenside, Pa. Cost, \$1,400. Heating plant, Thirty-third and Chestnut streets.

Aquino (O), 1727 South Tenth street. John Magolden (C), 815 Kimball street. Cost, \$850. Store and dwelling, 1727 South Tenth street.

Pennsylvania Railroad (O), Broad Street Station. A. L. Carhart (C), Hale Building. Cost, \$1,000. Toilet rooms, Glenwood and Margu street.

Newton Supply Co. (O), Thirtieth and Chestnut streets. Armstrong & Latta Co. (C), Land Title Building. Cost, \$1,500. Storage, Thirtieth and Chestnut streets.

Kensington Hygeia Ict Co. (O), Trenton and Huntingdon street. P. Haibach Const. Co. (C), Twenty-sixth and Thompson streets. Cost, \$700. Manufacturing building, Trenton and Allegheny avenue.

F. Barbibaree (O), 615 Annin street. A. Alesandro (C), 620 Annin street. Cost, \$1,000. Dwelling, 615 Annin street.

Y. M. H. A. (O), 1616 Master street. Lam Building Co. (C), 1001 Wood street. Cost, \$2,000. Club house, 1616 Master street.

Carl Moll (O), Gorgas lane, Roxborough. Cost, \$500. Hot house, Ridge avenue and Gorgas lane.

Martin F. Connor (O), 5618 Germantown avenue. Cost, \$500. Office building, High street and Railroad.

Church of the Redeemer (O), Philadelphia. Brettem & Wilham (C), 127 East Cheltenham avenue. Cost, \$800. Church, Chem and Penn streets, Germantown.

Philadelphia Electric Co. (O), Tenth and SSansom streets. Charles Gilpin (C), Harrison Building. Cost, \$2,000. Power house, Seventeenth and Allegheny avenue.

Harry A. Veit (O), Newtown Square, Pa. James M. Holm (C), 5556 Arch street. Cost, \$1,500. Garage, 415 North Fifty-eighth street.

United Cigar Stores Co. (O), Eighth and Chestnut streets. Ed. Fay & Sons (C), 2 South Mole street. Cost, \$600. Store, 1524 Market street.

Max Barkman (O), 525 Pierce street. Cost, \$800. Dwelling, 926 Snyder avenue.

Order of Masons (O), Broad and Filbert streets. Pomery Const. Co. (C), 1609 Ransstead street. Cost, \$1,000. Masonic Temple, Broad and Filbert streets.

Robert Ragan (O), 1746 North Twelfth street. Cost, \$900. Garage, 1745 North Faun street.

Dr. William H. Leaman (O), 3700 Barin street. A. M. Clintock (C), 1937 Ridge avenue. Cost, \$790. Residence, 3700 Baring street.

George K. Heebner (O), 1231 Vine street. Cost, \$600. Offices and shops, 1231 Vine street.

D. Schultz (O), 752 East Passyunk avenue. Samuel Schultz (C), 3113 Montgomery avenue. Cost, \$430. Dwelling, 752 East Passyunk avenue.

E. W. Van Deusen (O), 5610 Germantown avenue. Fred Elvidge & Sons (C), 4322 Germantown avenue. Cost, \$1,100. Store and Dwelling, 5610 Germantown avenue.

Henderson Printing Co. (O), 135 South Fourth street. William Easterbrook (C), 146 North Fourth street. Cost, \$850. Printing shop, 135 South Fourth street.

William Lewellen (O), 4815 North Front street. R. H. Ingram & Sons (C), 4817 North Front street. Cost, \$600. Store and dwelling, 4815 North Front street.

Salvation Army, Conestoga and Lansdowne avenue. Thomas Montutt (C), 5529 Lansdowne avenue. Cost, \$1,025. Dwelling, Conestoga and Lansdowne avenue.

Richard Morrell (O), 5420 Wylusing avenue. W. W. Sutterley (C), 503 North Fifty-second street. Cost, \$500. Dwelling, 3627 Powelton avenue.

Philadelphia Steel and Forge Co. (O), Tacony. J. A. Hand (C), 8029 Frankford avenue. Cost, \$400. Machine shop, Milner and Bleigh streets.

Anna Thuehr (O), 140 West Susquehanna avenue. Jacob Gaertner (C), 2214 North Third street. Cost, \$775. Dwelling, 104 West Susquehanna avenue.

Jewish Foster Home (O), Chew and Church streets. Fred A. Havens (C), 845 North Nineteenth street. Cost, \$900. Building, Church lane and Chew street.

Jacob Lotz (O), 4131 Frankford avenue. Cost, \$500. Dwelling and store, 4133 Frankford avenue.

Thomas Moore (O), 1128 Filmore street. Cornelius West (C), 1034 Herbert street. Cost, \$400. Garage, 1126 Filmore street.

Charles H. Bird (O), 2800 Poplar street. Matthew Morrison (C), 2322 North Howard street. Cost, \$2,275. Dwelling, 300-10 East Sterner street.

W. B. Rushton (O), 6142 Naussa street. Harry Davis (C), 5100 Westminster avenue. Cost, \$400. Garage, 6142 Naussa street.

Ed. V. Wright (O), 3303 Spring Garden street. Joseph Pino (C), 1215 South Twelfth street. Cost, \$900. Dwelling, 1244 Federal street.

(Continued on page 614.)

Alterations and Additions

H. Fox (O), 16 South Fifty-second street. A. Barsky, (C), 636 Pine street. Cost, \$1,000. Store and dwelling, 16 South Fifty-second street.

Kahn & Greenberg (O), Morris Building. M. H. Dickinson (C), 703 Empire Building. Cost, \$1,000. Manufacturing building, Twenty-third and Chestnut streets.

John McConnell (O), Sixty-second and Gray's avenue. William J. Mitchell (C), Seventy-seventh and Lyons avenue. Cost, \$1,330. Stable, Sixty-second and Glenmore avenue.

Samuel Shulman (O), 1308 North Fourth street. M. Cipollo (C), 833 Greenwich street. Cost, \$700. Dwelling, 1308 North Fourth street.

Charles D. Vincents (O), 709 Christian street. Michael Kirschner (C), 421 Snyder avenue. Cost, \$2,000. Store and dwelling, 709 Christian street.

S. E. Hutchinson (O), 251 Tulphocken street. William L. Bushnell, 2146 East Norris street. Cost, \$1,000. Dwelling, 251 Tulphocking street.

St. Nathaniel's Church (O), E street and Allegheny avenue. Frank E. Wallace (C), 120 Chancellor street. Cost, \$11,000. Church, E street and Allegheny avenue.

B. J. McDermott (O), Broad and Ridge

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., SEPTEMBER 22, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Willcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Broekie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzinger.

Editorial Comment

"The White House with the Green Blinds"—what a title for a popular novel! No; it is not a new novel. It is an article dealing with "a new and an old expression of pure American architecture," written by Guy Pene Du Bois, one of the most distinguished of contemporary writers on subjects relating to the arts.

Opening with a reference to the unassuming beauty of the clapboard house painted a white that green shutters relieve from monotony, M. Du Bois remarks, in the current number of "Arts and Decoration:"

"The best Americans do not, but most of us do live for our neighbors, in awe of, and for the purpose of creating a similar awe in them. That is why New York is cluttered with monstrous brown stone fronts that attempt to deny that the remainder of the structure is brick, and very ugly brick. That is why we have miles of apartment houses whose tin ornaments are painted to resemble solid masonry, and the reason that the manufacturers of cement blocks moulded in imitation of granite do a flourishing business. That is also the cause of the preponderance of paste jewelry and mahogany colored pine, and, incidentally, of accents in language that do not carry conviction.

"* * * Those of us without ancestry are no longer buying dirty, cracked portraits of our ancestors. And the skyscrapers begin more and more to acknowledge that their bones are of iron and able to stand erect without the assistance of excessively sumptuous, marble pillars. Even the shoulders of our men's coats are no longer wider than the shoulders of the men themselves. This last may be because taste has reverted from the physical to the spiritual and means the disgrace of the empty-headed giant. I am inclined to believe that it is because we have heard so much of bluff that we can no longer tolerate it.

* * *

"If it is true that we have had an overdose of bluff—bridge has become more popular than poker—then we can trace the present vogue of the white house with the green shutters to it. That simple white house, made of undisguised material, is essentially an American institution. It is a modification of the first wooden American structure—the log cabin. It was built far more for service than for show, and constructed throughout with readily recognized realities. The virtue of the Colonial type which is the most beautiful, if not the most human of all, is simplicity and then grace. France must have helped to lend it the latter. The honest English country house equals the Colonial house in simplicity and honesty. But it is heavier, more sturdy in appearance, more somber, an abode for the brooding and the great heartiness of the Anglo-Saxon, a house for a less active people.

"England, in the eighteenth century, in literature and painting, in the arts, had her eyes upon the grace of France who, in turn, was seeking the spirit of the classics. The painting of Reynolds and Gainsborough is Italian in color. It is French in spirit—with a nimbleness of flattery quite separate from the British character and a grace that up to the eighteenth century was unknown to it. There can be no doubt that France had something to do with the grace of the Colonial house just as she had so much to do, conversely, with the vulgarity of the literature of the Restoration.

"The Colonial architecture borrows more wisely than this from classic ideas. But the Colonial house was built to fill a need that to a great extent has passed. It was built upon large estates to house men, who, after the manner in England, were the important figures of a community. The houses reflected that truth. They were dignified by a stately grandeur. They were the domiciles of men of education at a time when educated men were rare. After the Revolution, as the idea of democracy grew among the people, imitations of the squire's house became frequent. The little white houses with green shutters speckled the landscape in modest spots, compact and complete.

* * *

"Their owners, who knew the meaning of waste a good deal better than we do, looked upon the more spacious progenitor with no trace of envy. They had enough to meet their requirements, more would hamper them. They were content to do without the classic columns, the balconies, the roofs of porches that reached two and three stories up. They had a white house with green blinds, the essence of the squire's, and a good deal more simplicity. They recognized in simplicity a sign of democracy, and since they were new democrats they were proud of being democrats.

"We have gone a long way from them, but now we are coming back to them. The influence may again be French, I do not know. For the past quarter century the French influence upon our painting has been so tremendous we have merged our individuality within it. The majority of our architects and painters have either studied in France or the work of the French. The architects have abolished the brown stone front. The painters have cast aside the gods and goddesses of the nineteenth century—they were also French by the way—to follow with Manet, Monet, Renoir, the lead of Courbet in the return to truth or, as the painter term has it, realism. Our authors, possibly lured on by Balzac, Baudelaire, de Musset, de Maupassant, Flaubert, have given up the historical novel and the Richardson heroes and heroines to delve into the life of their own day, among people that truly exist. The things in the discard

have been tabulated, but the real thing discarded, after all, is sham.

* * *

"And when that is true of the arts of a people it is also true of their life. The return of the little white house of our forefathers has not been influenced by our architects, not necessarily, but by the spirit which all the arts have, insidiously if you will, injected into the people. They are, I mean, through with architecture for the sake of art and are considering it for the much more real and solid and honest purposes of life. And that means that they are looking upon their houses not as structures with which to strike awe in the hearts of neighbors, but as places in which to live their own lives. A decade or two ago the gardens were in the front of the house and the beauty of the house was there too, where the neighbors could be edified by it; while in the rear the ash cans and the ugliness were hidden away from the prying eyes of strangers. Much of that has been changed, a great deal more is changing. The ash cans and the ugliness have become as offensive to the inhabitants of the house as they had at one time considered them for the passerby and the neighbor. The white house is white all around. It is more real than realism, for it is a reality. It is complete, compact, honest, and it is the American ideal.

* * *

"To people in general it had, for a time, gone out of fashion, but it is difficult to believe that there ever existed an American pair of lovers who did not consider it at some time during their courtship. For while the grip of romance does not incite the normal man's balance it does inspire a sincerity which the normal man owns only in a modified degree. That may be because the romantic state, lacking consciousness, does not feel the need of pretense. When the lover throws his chest and his chin up he is not trying to impress John Doe across the street with the quality of his physique. As a matter of fact, he does not know that Mr. Doe exists. And with regard to the white house, as an added argument, if love rules the world does it not also rule America?

"In any case, among the romantic, as well as the realistic American landscape painters, the white plays an important part."

* * *

An interesting little sermon to preach from so homely and unassuming a text!

* * *

In the same magazine Mr. Harold Donaldson Eberlein has a very readable paper on "Two Aspects of the Casement Window."

"The importance of windows in determining architectural aspect can scarcely be overestimated," writes Mr. Eberlein. "No one feature counts more effectually in the toute ensemble of any building, whether its architectural classification be domestic, public or ecclesiastical. It therefore behooves the prospective builder of a house to consider the item of windows with the closest care. Furthermore, fenestration is concerned not only with the location, size and shape of the window apertures and their relation to the general

proportions of the mass, but it is concerned with the divisions of those apertures as well, that is to say, with the sashes or casements and the manner of glazing. If there were no divisions, the apertures would be merely gaping cavities in a wall, with sightless eyes, and no character.

"It would be idle to maintain the universal superiority of one style of window to the exclusion of all others. They all have their proper functions and special aptitude for use in various places as occasion may require. What is appropriate and timely is to set forth the merits of one type of window, the casement, that has always met with general approval on the score of its artistic excellences but has been too frequently misjudged for its practical fitness and made the victim of many fallacious and ignorant prejudices. The only real ground on which such adverse contentions can be said to be just is due to the clumsy and inefficient way in which the casement window has often been constructed. All objections on the ground of impracticability may be readily overcome.

* * *

"Properly hung casement windows may be readily cleaned on the outside despite the objection often urged against them on this head. If they open inward, there is no possible difficulty; if they open outward, it is an easy matter to reach around the edge. When two or more casements occur in a range, as they usually do, they are generally so hinged that the outside of one can be conveniently reached by leaning out of another. Ease of exterior cleaning can always be assured by a little ingenuity of hanging. Casements, whether swinging in or out, can be made perfectly weatherproof by various devices, some patent and some not, and they can be fastened quite as securely as double hung windows. As to curtain hanging, although there is necessarily some difference in method, it can be every bit as simple, varied and effective as in any other case.

"The chief intention of this article, however, is not merely negative or defensive against ill-considered objections. Rather is its purpose constructive and designed to direct the attention of the prospective builder to the desirable features of casement windows. In the first place, casements permit more thoroughgoing ventilation. The whole window aperture is available for the admission of fresh air. In a climate like ours, where the summer heat and humidity are often excessive, the possibility of opening every available inch of window space is a distinct advantage. It is also easy to regulate the quantity of air admitted by means of an adjustable bar. If the casement is built with a transom, the upper lights can either be hinged or swung on pivots so that they can be tilted at any desired angle. In these ways the air currents can be better controlled or modified than with double-hung or sash windows.

* * *

"Another advantage afforded by the use of casement windows is the possibility of making the whole end or side of a room of glass without violating any architectural

propriety in so doing. In fact, casement windows are never employed to better purpose, both practical and decorative, than when they are constructed in this manner. Architecturally speaking, they are especially adapted to this expansive method of treatment. Properly proportioned mullions and transoms avoid any aspect of structural weakness that might otherwise be suggested by so large a window aperture. For excellent and convincing examples we cannot do better than turn to the English country house, both ancient and modern. Fortunately for our British cousins, they have always preserved and practiced the casement tradition. We, in America, had it in our own early architectural history but forsook it early in the eighteenth century and have not yet wholly overcome our timidity in returning to it.

* * *

"There is often a distinct advantage to be gained by concentrating all the window area at one point, the end or side of a room. It may be on account of exposure or a particularly agreeable outlook or because the room will furnish better with uninterrupted wall spaces. When any such concentration is desired, a range of casements meets every requirement. Besides the ease of indefinitely extending the width of such a range, so that it may be made to turn corners or follow the course of an arc, there is no limit to the height to which the casement window may be carried. It may reach the ceiling or even extend upward the full measure of several floors."

* * *

Quite a nice talk on fenestration—a subject of considerable architectural importance.

INFLUENCE OF CLIMATE ON SLATE.

It is said that the moist climate of the west of England has a great influence on the production of slate. The cleavage properties of blocks which have been quarried are seriously impaired if they are allowed to get too dry or if they have been attacked by frost. It follows from this that the output from a given quantity in the cold, dry weather falls short of that obtained in the damp weather characteristic of the west of England but more especially in the winter months. Quarry managers are fully aware of this and consequently never expect the maximum turn-out when the atmosphere is dry. They look for this when the mild, misty weather, which as a rule pervades the mountainous districts, is prevalent. Climate, in point of fact, has had more to do with the establishment of slate quarrying in the west of England than is generally recognized.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



ALTERATIONS AND ADDITIONS.

(Continued from page 611.)

Harry Devine (O), 622 North Thirty-ninth street. D. F. Wholey (C), 1109 Indiana avenue. Cost, \$2,450. Store and dwelling, 622 North Thirty-ninth street.

Henry F. Ortlieb (O), 831 North Third street. Koelle Speth & Co. (C), Twenty-sixth and Oxford streets. Cost, \$1,000. Storage, 834 North American street.

U. G. I. Co. (O), Broad and Arch streets. F. B. Davis (C), 240 North Sixteenth street. Cost, \$36,000. Offices and show rooms, Broad and Arch streets.

C. M. Blackman (O), Ninth and Jefferson streets. F. L. Hoover & Sons (C), 1023 Cherry street. Cost, \$500. Store and shop, 906 Jefferson street.

Frank Mauran (O), 239 Land Title Building. R. W. Neff (C), 6610 Germantown avenue. Cost, \$980. Garage, 6705 Anderson street.

Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Philadelphia Real Estate Record and Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912.

Editor, J. Irving Dillon, 5716 Christian street Philadelphia.

Managing Editor, none.

Business Manager, none.

Publishers, Building News Publishing Co., Perry Building, Philadelphia.

Owners, W. S. Harvey 2nd, Bala, Pa.; Louis S. DeLone, 6419 Drexel road, Philadelphia; Samuel R. McDowell, Narberth, Pa.

Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,
Louis S. DeLone, Treasurer.

Sworn and subscribed before me this 14th day of September, 1915.

John A. Fitzpatrick, Notary Public.
(My commission expires April 8th, 1917.)

BRITISH METHOD OF LAYING BRICKS

Practical Comments on Spreading the Mortar and Laying the Bricks

What Constitutes Good Brickwork

There is no craft in the building trade that looks so simple and easy to an outsider as bricklaying, yet if an amateur undertakes to lay a brick he will probably be surprised at the results as compared with his pre-conceived notions. Apart from gauged arches and ornamental carved brickwork where drawings are necessary, there is not any great amount of intricacy in setting out and executing an ordinary brick building, says F. Pelling, writing in the "Building World," but a valuable asset to the bricklayer is a well-trained eye.

Spreading the Mortar.

Before laying a brick it is necessary to have some knowledge of spreading the mortar. It should be spread evenly to the required thickness so that there shall be no violent knocking to set the brick in its proper position. The spreading of the mortar also finds out any extraneous lumps that would prevent the brick lying solid. The mortar should be sufficiently soft and plastic as to be easily spread with the trowel, and by its being plastic the waste of mortar will be more considerably reduced than would be the case if the mortar were short.

The bricklayer in working to the line will take up and spread about three trowelfuls of mortar in succession, as this is generally found to be sufficient at one time, or the mortar will stiffen before the bricks are laid. In getting up piers and quoins only sufficient mortar is spread to take one brick, and the brick is laid before spreading more mortar. In every case the bed is left a little hollow in the center and full at the edges, so that when the brick is tapped into position with the trowel it will lie firm. The mortar should be sufficiently soft to adhere, when drawn to the side of a brick, as a cross joint. It is necessary that the brick itself should be damp and free from dust to facilitate the adhesion of the mortar.

Qualifications as a Bricklayer.

The writer on one occasion heard it said by an authority on brickwork that to see a bricklayer handling the trowel and spreading the mortar was a good guide as to his abilities at bricklaying. The manipulation of the mortar is a by no means unimportant part of bricklaying, and in reference to the cross joints, unless the same amount of mortar is applied, the face bond will be affected through the perpend not being properly kept, thus spoiling the looks of the face work and weakening the bond.

The footing courses will be the start of bricklaying in a new building, and in reference to the footings it need only be said that the courses should be perfectly level and consist of all headers.

Building the Corners.

The next important item is getting up the

corners, known technically as quoins. These require to be level and upright, for upon them depend the level and perpendicularity of the adjacent wall.

It should be stated that in starting to build a quoin there is a right and a wrong way to lay a brick. Some bricks have one frog, some have two frogs, and some have none at all. In the case of bricks with one frog, the frog should always be laid uppermost, although sometimes, in order to keep a thin joint, they are laid frog downward. There is, of course, no alternative with a brick having two frogs; they are a special kind of brick, and do not form the general mass of brickwork. In the case of a brick without a frog, the brick should be laid the same way as moulded. This is generally distinguished by faint lines indicating where the clay was struck off in filling the mould; but in every case where the brick is hollow on the bed the hollow side must be laid downward.

Whatever bond is used in walls over 4½ inches thick, a 2¼-inch lap should be given. This is obtained by cutting a closer to a wooden gauge the requisite width. It is always used next to the starting header; then the bond is kept right on the face by making the cross joints the same width. The dimensions of the bricks must be uniform.

Tools Necessary for the Purpose.

In building the quoin the bricklayer uses a plumb rule, straightedge, and spirit level to guide him to keep the brickwork true. After the quoin is raised about 2 feet the plumb rule is not much used only as a check for correctness. The bricklayer uses a straightedge for every second-course corner brick laid, the bottom part of the straightedge resting firmly against the plumb bricks below. Two things should be avoided in getting up corners so that the intermediate brickwork when built shall bed solidly on the quoin. Of course, this does not refer to toothings left out for another wall, to be bonded into an existing wall at a later date.

In reference to the thickness of the bed joints it may be stated that the happy medium is the best—neither too thick nor too thin. This is best obtained by measuring the height of four bricks laid dry, and then allow another inch for bed joints.

Having got the corners up about 3 feet high, a gauge rod should be used to see that both quoins are rising correctly. It is much better and quicker and quite as accurate as levelling; of course, it is assumed that the corners have started from the same level course. Next the intermediate part is filled in by straining a line from corner to corner. If there is much length of line it will require tinging up to keep it from sagging. To tingle a line it is best to have a plumbing place at that point

where the tingle is to be fixed so as to ensure the work being kept true. When the tingle brick is laid plumb and the correct thickness of joint, a short piece of string is looped round the line and the line drawn up to the edge of the brick. The tingle is fastened on the top of the brick by a small pat of mortar, on which is placed a piece of brick to keep the tingle firm. The line should be looked through each time it is raised as to its correctness, for the truer the line the more regular the work.

Laying Bricks to the Line.

In laying the bricks to the line it is necessary to have an eye on the top and bottom front edge of the brick at the same time, so that, when laid, the brick will be flush with the one beneath it and also just clear of the line; then there will be no hatching or irregularities of the face bricks, which spoils the appearance of otherwise good work.

The ideal way of laying a face brick is, after the mortar is spread, to avoid any hard knocking of the brick to get it into its proper position. In fact, the brick should be just squeezed or pressed into its bed by a slight rubbing motion, and the superfluous mortar caught on the trowel to form a cross joint for the next brick to be laid.

This buttering of the cross joint is sometimes objected to, but if, after the course is laid, the remaining part of the joint is properly flushed up, the objection is more apparent than real; it is the omission of properly flushing up each course that causes bad work.

The bricklayer always examines a brick before laying it. The reason is to see which end and face issquare one with the other; also, in face work the brick is examined as to its color and freedom from chips and flaws.

No mention will be made of the different kinds of bond in general use, as they are too well-known, but perhaps it is as well to mention an important item which is often overlooked, namely, sectional bond. No matter which bond is used on the face of the work the same must be kept through the thickness of the wall. In other words, sectional bond is that the transverse joints run unbroken through the wall. When sectional bond is absent, strength will be wanting. It should have been mentioned that in laying bricks as an oversailing course, whether plain or moulded, the bricklayer strains the line to the bottom front edge of bricks and not to the top. The reason for this is that it is the underside or bottom edge of the brick course that catches the eye.

A passing reference as to bats. These accumulate by handling in transit from the brick manufacturers to the job, and the proportion of bats to a given quantity of bricks will depend on the quality of the bricks themselves. It is only fair to the builder who has to pay for them that they should be used on the job, and the bricklayer, in using them with discretion as they come to hand, will not harm the work to any appreciable extent. The evil of using bats is when they are allowed to accumulate to such an extent that they become a nuisance on the scaffolding and the bricklayer uses them in one place of the wall in order to get rid of them.

In conclusion, good bricklaying may be distinguished by the regularity of the face bond; by the absence of broken bond; the levelness of the bed joints; the perpendicularity of all angles, external or internal, producing sharp, well-defined lines; and the general smoothness of the face work.

every man seems to be aiming in his own particular and peculiar direction and no longer do we seem to have the great men to follow! Now, what does it all mean? Where are we going? What will be the next type of expression? Where is the trend?

We return once more to the immediate present and the felling of resentment that has been left by our client. We have labored over his particular building, spent night working for a satisfactory and a convenient arrangement in plan, we have gone through hundreds of plates in our fondest library books; we finally believe that we have obtained the best possible solution.

We have discussed at length all the most advantageous methods of construction with our engineer; we have gone over with our draughtsmen their drawings, day after day, and restudied them even after they were drawn on tracing cloth to ink; we have carefully described our building to the minutest detail in our specifications and now we have a client on our hands who only gives us adverse criticism. A wife's uncle has criticised the mantel detail; the contractor has failed to figure accurately a partition; a desk does not fit; a gas heater fails to work; a spot occurs in the ceiling from defective plumbing; the architect is immediately blamed for it all and all the conscientious care and thought that has otherwise gone to make the building a success is utterly ignored by our fond client.

We are in despair. Again, and perhaps still again, occurs the greatest of all difficulties—the cost of our client's building has gone beyond the original estimate. Immediately word goes out to his friends and his friends' friends, that the architect is a visionary; that he is unbusinesslike; that he is incapable of handling a financial proposition. His friends and his friends' friends subsequently build. They go to a contractor who charges them not one solitary cent for the cost of preparing plans, the extras are absorbed and the contractor becomes the hero—at least for the time being. The owner draws up his own plans and any contractor will figure from them.

Once more, where are our dreams? What has become of the profession of architecture? Will we have to wait for the public to learn its lesson, to find that the buildings so designed, so constructed under the supervision of the contractor, is of an ephemeral nature; that the design is only of momentary value; that the plan is not serviceable except for the most immediate uses; that the construction and materials are of the poorest quality and become shabby within a short period of time?

The purpose of an architect, as we know it, is to maintain the standard of design and construction of buildings; to see that they are planned to serve the greatest economical and practical function; to see that the best and cheapest building materials are used, and that they are put in place in the best and most efficient way; to see that above all, when the building is finished, it expresses in its design its character and functions; that it will be

WHY BE AN ARCHITECT?

By Carl F. Gould.

(Paper read at Annual Convention of Architectural League of the Pacific Coast, Seattle, Wash.)

We wonder sometimes after we have had one of our unsatisfactory adventures with a client whose thick hide we have been unable to puncture, whither have flown our early aspirations, our youthful high-mindedness, our desire to better the architectural world. We unconsciously ask ourselves at such moments, whether the materializing of our dreams does in any way correspond to the dreams themselves; whether we have not been led by "will-o'-the-wisp" and have been following something that leads nowhere?

In the days of our early training we had been brought in contact with the great architectural periods of the past; we were led into the cool atmosphere of the Egyptian and Grecian life and art; we were transferred to the great empire of Rome, and led around its forum, in its palaces, and we thoroughly believed that it only needed our combined action, our master enthusiasm to reproduce these

epochs, and we were certain that they were going to come in our lifetime.

We were led through the great periods when the united religious enthusiasms conspired together in the construction of those altogether most wonderful cathedrals of France, and then we jumped into the sunny period when the classic revival gripped the world and gave birth to the French chateaux. And on we were led through the varied and interesting expression of the classic revival of the kings of France and England with their great and glorious gardens and estates of the nobles into our colonial refinements; and there we seemed to suddenly stop.

The world then becomes a practical evil, our architecture seems to offer no inspiration; we were through then for the time with enthusiasm. We enter the period of individualism started by our great Richardson, and we come marching on to the present day when

come a thing of beauty without which it has no lasting quality.

With this big purpose, can it be supposed that the architect is no longer needed? If we look at our building records we find that only a small percentage (we estimated at one time 17 per cent.) of the work done in our city was done through architects' offices. We certainly, as a profession, cannot exist without the public. The public can, as it is showing us, exist without us. It seems most improbable that if the above is our function that the public will, in the long, continue to build its structures in an inferior way when there is one proper, ordinary and sane method of procedure—the employment of an architect.

This has been true throughout the ages, and it will continue to be true. The architect serves a definite function; he is needed by the public, and they will insist upon his serving them. Our thick-skinned client (we will have to admit at this point that his epidermis is not always of this nature; that we have had most delightful experiences with the species and draw from it some of our best friends).

But we are certainly misunderstood, generally speaking, by the public, and this misunderstanding can only, it seems, be properly overcome by going before the public and stating our case; telling it what architecture is; what the functions of the architect are, and how he serves the public in an economical way; that he does not exist merely to put frosting on a wedding cake, but that his duties are interwoven in every detail of arrangement, plan and economy of a structure. Let us each go out and not always blame the public or our clients until we have gone before them and explained our position more fully, taking advantage of every opportunity through the press, through our schools, through our universities, and through our popular magazines.

The profession of an architect is one that serves in a constructive capacity and touches our people at innumerable vital points. We must assume our responsibilities and put our proposition to them in an impelling way; we must systematize our methods of getting our services so that the public understands them. We shall, without question, succeed in accomplishing this and our client will then become a more appreciative being and the difficulties which we have encountered will be far easier to overcome because we will have his confidence at the start, and although we may make mistakes occasionally as individuals, he will not blame the entire profession.

Edwin E. Hollenback, contractor and builder, instituted an innovation in the contracting business when he laid aside the cares of business and took his entire force of superintendents, bookkeepers, clerks, stenographers, etc., on a day's outing. The party spent the day fishing at Greenwich Piers, near Cohansé River, New Jersey.

Many firms, by emulating the example of Mr. Hollenback would greatly increase the efficiency of their forces as, the old adage runs, all work and no play makes Jack a very dull boy.

WATERPROOFING NEW YORK'S NEW SUBWAYS.

One of the many interesting problems in connection with the building of the new subways in New York City is that of rendering the walls and roof waterproof. Between stations the roof is made impervious to moisture by the use of three layers of woven fabric laid in pitch or asphalt mastic. At stations where moisture would damage the plastering one-ply waterproofing and brick in mastic is used. The waterproofing of the side walls depends on local conditions.

Below ground-water one-ply waterproofing with two layers of brick in mastic is used. Above ground-water one-ply waterproofing is used at stations, and between station no fabric is used, the concrete masonry being extended 6 inches back of the side wall columns instead, reinforced with $\frac{3}{8}$ -inch continuous rods placed 18 inches center to center to prevent cracks due to the shrinkage of the concrete in setting. The additional thickness of concrete and the rods make the structure sufficiently waterproof. The floor is not waterproofed unless it is below ground-water, when one-ply waterproofing and two layers of brick in mastic are used.

The waterproofing and brick are protected against external injury by from 4 inches to 6 inches of concrete. The brick in mastic makes a practically water-tight structure, as all crevices or cracks are carefully filled with pitch.

"BUILDERS' WEEK" AT PANAMA EXPOSITION.

From the standpoint of many of our readers doubtless the most important coming event of the year in connection with the Panama-Pacific International Exposition is "American Builders' Week," which occurs from October 18 to 23. The importance of the builder as an individual as well as collectively and his intimate connection with all industrial and national progress are at once manifest when it is recalled that 40 per cent. of the entire population of the United States is directly or indirectly depending upon the building industry and its success. No one line of business has more to do with progress than the builders of homes, of cities and towns, and those public utilities upon which depend the comfort, health and happiness of the people.

Probably no such opportunity as "American Builders' Week" has ever occurred before for promoting harmony among the building fraternity of the country, nor could a more appropriate place or season for such a gathering have been selected. Actively identified as builders naturally are in the upbuilding and development of our cities and towns, these visitors to San Francisco this year will have not only the opportunity of viewing the greatest collection of exquisitely beautiful Exposition buildings ever erected, but in the city by the Golden Gate they will find what is to-day, without doubt, the most up-to-the-minute, modern city in the world.

From a mass of ashes and complete desola-

tion which covered over four square miles in April, 1906, a new city has arisen; a new San Francisco stands to-day an eloquent monument to her local builders—the men who are now cordially inviting their brethren and all who build to come and view their finished work, to share their hospitality and to contribute by their presence to the joy and success of "American Builders' Week."

It may not be without interest to state that additional information may be obtained by addressing the Publicity Committee, American Builders' Week, care of General Contractors' Association, 110 Jessie street, San Francisco, Cal.

LICENSING ARCHITECTS IN FLORIDA.

The movement looking to the licensing of architects in various States seems to be making rapid progress judging from the laws to this effect which have been enacted the present year. In addition to New York and Michigan in the list must be placed Florida, where the license fee is \$25, the law applying to buildings costing \$5,000 and above. The act, which is similar to the Illinois law providing for the licensing of architects, was passed this spring by both houses of the Florida Legislature and was signed May 27 by the Governor.

SKYSCRAPER FOR THE PRINTING TRADES.

Work has just been commenced on what will be, when completed, the tallest building in the neighborhood of the Pennsylvania Railroad Terminal, and one of the largest structures in New York City. It will be twenty-two stories in height and cover the entire Eighth avenue block front on the west side from Thirty-third to Thirty-fourth streets. The facade will be of rough gray stone up to the fourth story, and above that of plain gray face brick with band courses of white terra cotta on the fourth and seventeenth floors, and a line of pillars extending from the seventeenth to the twentieth floors. The design is to be in harmony with the Pennsylvania Railroad Station and General Post Office, which it faces.

The structure will be known as the Printing Crafts Building, and the floors have been designed to carry a load of 250 pounds to the square foot. It is planned to make the building the headquarters of various large printing firms and space for meeting rooms has been set aside on one of the upper floors. From the thirteenth to the nineteenth floors the building will be devoted to offices.

Special care has been given to the design of the steel framework and an elaborate system of bracing will be installed in order that tenants on the office floors and particularly the engraving departments on the twenty-second floor may be absolutely guaranteed against vibration.

The cost, according to the architect's plans filed a short time ago, is placed at about \$2,500,000.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo."
Howard Ketcham, 3rd & Girard ave., Phila.
"Utility." Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

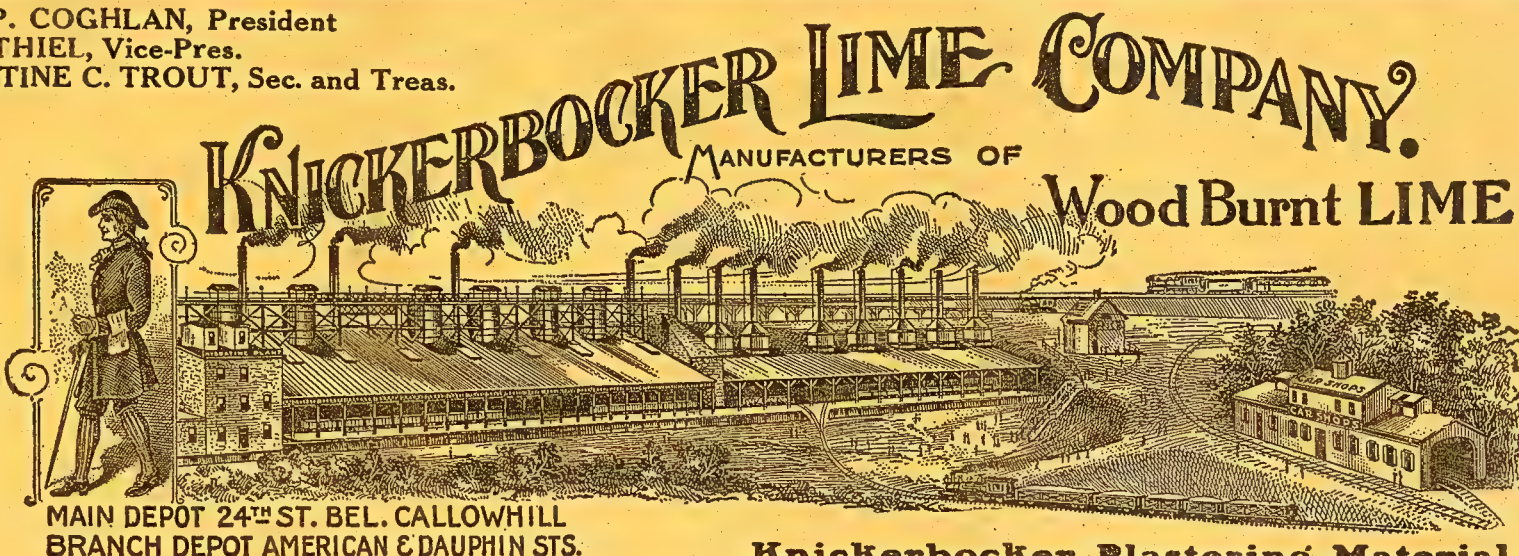
Rough Texture Brick in Golden, Gray and Red Groups

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

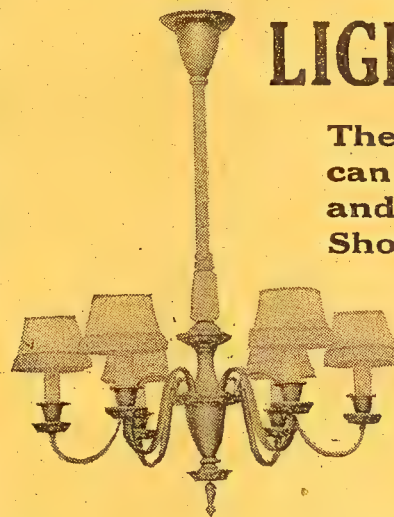
HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

*The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.*

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

A $\frac{3}{4}$ " inside facing
of Impervite mortar
will waterproof any
leaky cellar or pit.
Satisfaction guaran-
teed or money re-
funded.



receives GOLD MEDAL

After TESTING Impervite and all the other
waterproofing compounds exhibited, the
judges at the San Francisco Exposition have
just given Impervite the GOLD MEDAL,
the only compound so honored.

THE STANDARD PAINT CO.

Woolworth Bldg., NEW YORK
Peoples Gas Bldg., CHICAGO
Beacon Building, BOSTON

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 39.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 29, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

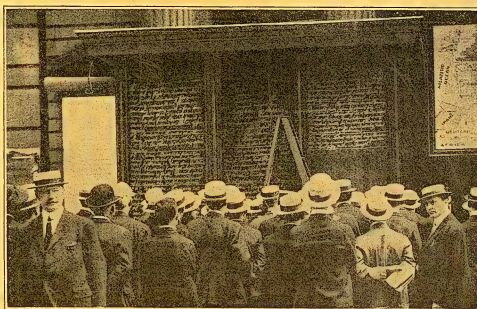
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work. The Original and Real Article. The only board, a repeater. Sample will convince you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Courts, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

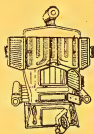
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.

— MILLS —



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

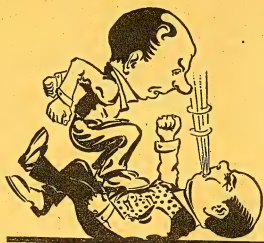
Best by test.

Ask for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ransstead Street, Phila.

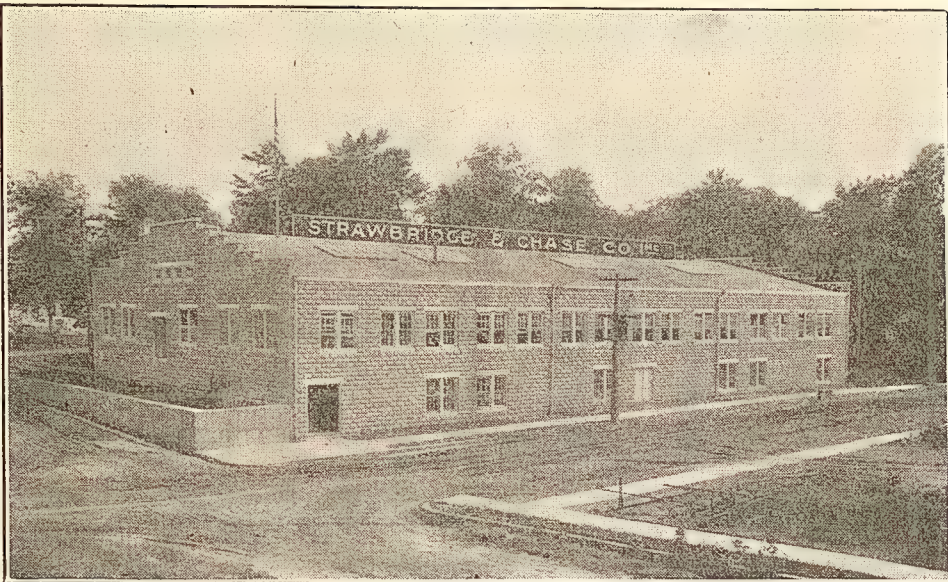
MORTGAGES

We can place them for you

L. P. SIMPSON & SON

707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGEE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



The reputation of "F-S"
Products has a solid found-
ation.

Our claim to quality for "Alba Flint Enamel" rests on fifty years of giving satisfaction. You can safely specify it for inside and outside work. It is easy-flowing and dries with a permanent gloss. One coat is equal to two of many other enamels, and it is durable.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(117)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

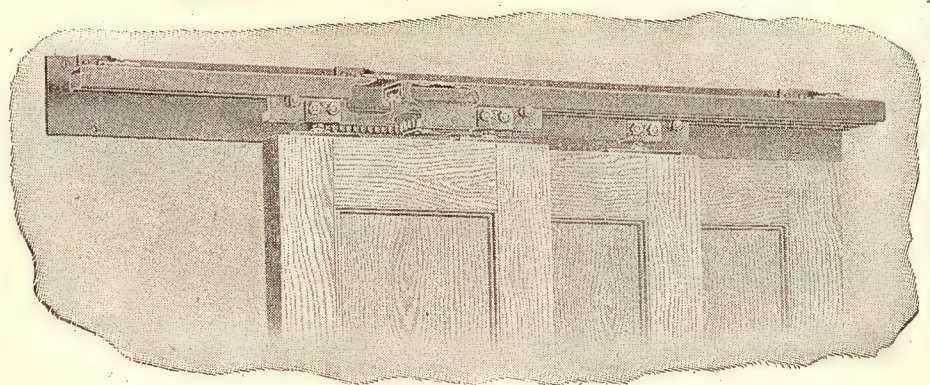
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.
1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

ALTERATIONS : JOBBING

Bell, Spruce 4419

Keystone, Race 3210

The Standard Documents of the American Institute of Architects

The New Contract Documents of the American Institute of Architects are now on sale and replace the old Uniform Contract, which is to be discontinued

PRICES FOR SINGLE COPIES

Agreement and General Conditions in cover	\$.10
Bond of Suretyship	.02
Form of Subcontract	.02
Letter of Acceptance of Subcontractor's Proposal	.01
Complete set in cover	.15

Trial set delivered upon receipt of nine 2-cent stamps.

These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

F. WEBER & CO. Architects', Artists' & Engineers' Supplies 1125 Chestnut St., Phila. Baltimore, Md. St. Louis, Mo.

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 39.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 29, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Stores (alts.), Sixtieth and Ludlow streets, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, name withheld. Brick, 1 story, slag roof, metal ceilings, metal lath, tile work, electric lighting, (heatin reserved). Architects have received revised bids.

Club House, 313 S. Broad street, Philadelphia, \$150,000. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, City Club of Philadelphia, Real Estate Trust Building, Philadelphia. Brick and stone, 4 stories, slag roof, steam heating, tile and marble work, electric lighting, elevator, fireproofing, metal lath. Revised plans in progress.

Garage, northwest corner Sixty-fourth and Haverford avenue, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Geo. Muller, Sixty-fourth and Haverford avenue, Philadelphia. Brick, 2 stories and basement, 20x40 feet, slag roof, electric lighting, hot water heating, electric lighting, patent floors, oil storage system. Plans about completed. Architect will take bids in a few days.

Garage, Sixty-first and Lombard streets, Philadelphia. Architect, E. Steinmetz, Drexel Building, Philadelphia. Owners, J. J. Lomax & Co., Sixty-first and Lombard streets, Philadelphia. Brick, 2 stories, 112x20 feet, tin roof, hot water heating, electric lighting, oil storage system. Plans in progress. Owners will take sub-bids on all lines.

Church, Fifty-eighth and Cobbs Creek Parkway, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Furth Church of Christ Scientist. Frame, 1 story, composition roof, hot air heating, electric lighting. Revised plans in progress. Architects will take bids in about ten days.

Post Office (alts.), Ninth and Chestnut sts., Philadelphia. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Consists of new plumbing fixtures, fans, compressors, etc. Owners taking bids, due October 1st, at 3 P. M.

Packing Plant (alts.), Ninth and Noble sts.,

Philadelphia. Architect, private plans. Owners, Swift & Co., on premises. Consists of new concrete floors in 4th and 5th floors, reinforcing bars, waterproofing. Owners taking bids, due September 29th. The following are figuring: H. H. Baton, Twelfth and Sansom sts.; A. R. Raff, 1635 Thompson street, Philadelphia.

Office Building, Stenton and Wyoming aves., \$9,500. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owners, Earle Gear and Machine Co., on premises. Brick, stone trimmings, 1 story, 50x64 feet, slag roof, steam heating, electric lighting. Contract awarded to E. E. Hollenbach, Fifteenth and Race streets, Philadelphia.

Saloon and Hotel, Thirteenth and Kater streets. Architect, Michael Golden, 2307 East Auburn street, Philadelphia. Owner, Samuel W. Salus, Morris Building, Philadelphia. Brick, 4 stories, 45x105 feet, slag roof, steam heating, electric lighting, tile work. Architect is taking sub-bids on all lines.

Store Building (alts.), Sixtieth and Ludlow street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Agents, Berman Bros., 6019 Market st., Philadelphia. Brick, 1 story, 38x100 feet, electric lighting, consists of general interior alterations. Owners have received bids.

Dwellings (5) and Stores (1), Clearview st. and Washington lane. Architect, H. H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Schestack & Co., 1004 South Fifth street, Philadelphia. Brick and stone, 2 stories, slag roof, electric lighting, steam heating, electric lighting, parquet floors. Plans completed. Owners ready for sub-bids.

Church and Sunday School, Thirteenth and Rockland streets, Philadelphia, \$40,000. Architects, Neff & Thames, Heed Building, Philadelphia. Owners, Bishop Foss M. E. Church, Rev. Richard Turner, 5319 North Thirteenth street, Philadelphia. Stone, 1 story, 100x125 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about one month.

Commercial Building, Cecil street, north of Hoffman avenue. Engineer, S. G. Matthews & Co., 916 North Ninth street, Philadelphia.

Owner, Francis H. Thole, 800 Penn Square Building, Philadelphia. Brick and steel, 2 stories, 40x50 feet, slag roof, electric lighting, steam heating, steel sash, concrete floors. Engineer and owner taking sub-bids.

Storage House (add.), 2715 North Broad st., Philadelphia. Architects, Moores & Dunford, New York City and Chicago, Ill. Owners, North Broad Safe Deposit and Storage Co., on premises. Reinforced concrete, brick and terra cotta, 5 stories, 32x120 feet, composition roof, reinforcing bars, metal sash, dampproofing, metal lath, marble and terrazzo work, (electric work and heating reserved). Owners taking bids, due October 8th. The following are figuring: Wm. Steele & Sons Co., 1600 Arch street; Irwin & Leighton, 126 North Twelfth street; Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

Garage, 640 Carpenter street, Germantown. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, E. J. Flood, 640 Carpenter street, Germantown. Brick, 1 story, 18x20 feet, shingle roof, cement floor. Plans about completed. Architect will take bids in a few days.

Residence (alt. and add.), Eleventh street and Sixty-ninth avenue, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Mrs. Dorothy De Sanne, on premises. Stone, 2½ stories, slate roof, hot water heating, tile work, metal lath, (electric work and hardwood floors, reserved). Architects has received bids.

Stable (alt. and add.), 454 North American street, Philadelphia. Architect, J. J. Weitzenfeld, First national Bank Building, Easton, Pa. Owner, Manuel Hurevitz, 931 North Sixth street, Philadelphia. Brick, 2 stories, 32x100 feet, slag roof, electric lighting, cement floors. Plans completed. Owner will probably take sub-bids in about ten days.

Armory, Thirty-second and Lancaster avenue, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Major B. M. Deming, secretary, Harrisburg, Pa. Red tapestry brick, granite and limestone trimmings, 2 stories, 129x305x216 feet, slag roof, steel stack, dampproofing, iron

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{3}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

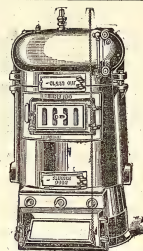
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS
Commonwealth Bldg. - Philadelphia



The NEW Round ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

stairs, safety treads, metal lath, terrazzo floors (heating, plumbing and electric work separate bids). Lowest bid submitted by Fidelity Const. Co., \$134,245.

Residences (62), Larchwood avenue, between Fifty-eighth and Sixtieth streets. Architect, private plans. Owners, Marshall & Gorman, Fifty-second and Arch streets, Philadelphia. Brick, 2 stories, 15x45 feet, hot water heating, slag roof, hardwood floors. Plans completed. Owner ready for sub-bids.

Residences (21), Ninth and Lycoming sts. Architect, private plans. Owner, Francis B. J. Branagan, 537 West Erie avenue, Philadelphia. Brick, 2 stories, 15x54 feet, slag roof, hot water heating, hardwood floors. Plans completed. Owner ready for sub-bids.

Factory, Torresdale avenue and N street, Philadelphia. Architect, M. Ward Easby, Crozer Building, Philadelphia. Owners, Louis Walther Manufacturing Co., Indiana avenue and A street, Philadelphia. Brick, steel, reinforced concrete floors, 65x220 feet, slag roof. Architect taking sub-bids on all lines.

Garages (10), Lincoln Drive and Upsal st., \$5,000. Architect, private plans. Owner, Walter S. Bauer, Lincoln Drive and Upsal street, Philadelphia. Stone, 1 story, shingle

roof, cement floors. Owner is sub-letting all contracts.

Provost's Residence (alt. and add.), 4037 Pine street, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners' Mask and Wig Club, 310 South Quince street, Philadelphia. Brick, stone trimmings, 3 stories, consists of general remodeling of interior and exterior. Plans in progress.

Residence (alts.) and Garage, 21 Pelham Road. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, J. Harris Warthman, on premises. Brick and rough cast, 2½ stories. Plans about completed. Architect will take bids in a few days.

School Building (add.), Bustleton, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, 3 stories, 6 rooms (heating, plumbing and electric work separate bids). Owners taking bids, due October 8th at 1.30 P. M. The following are figuring: Abel Bottoms & Sons Co., 41 South Fifteenth street, and E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage (alt. and add.), Oxford and Paul sts., Philadelphia. Architect, private plans. Owner, J. Wardle, 1627 Sellers st., Philadelphia. Brick, 1 story, slag roof, cement floors. Contract awarded to M. Moister, 3931 North Fifteenth street, Philadelphia.

Store Building (alt. and add.), Fifteenth and Snyder avenue, \$6,000. Architect, private plans. Owner, Emanuel G. Kolb, Fifteenth and Snyder avenue, Philadelphia. Brick, 3 stories. Contract awarded to Howard B. Shetzline, 2315 South Thirteenth street, Philadelphia.

Garage (alt. and add.), 3511 North Thirteenth street, Philadelphia. Architect, private plans. Owner, Frank Krause, on premises. Brick, 2 stories, slag roof, steam heating, elec-

tric lighting, cement floors. Contract awarded to Frederick G. Storek, 3519 North Thirteenth street, Philadelphia.

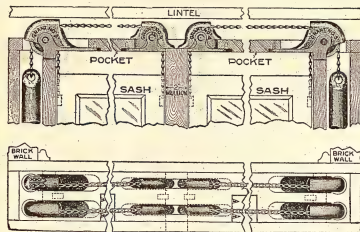
Manufacturing Building, Front and Erie avenue, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Hess-Bright Mfg. Co., on premises. Brick, steel and concrete, 1 story, 40x40 feet, wood roof. Contract awarded to Harrison C. Rea Co., 1021 Wood street, Philadelphia.

Stores (alts.), 2330-34 North Front street, Philadelphia. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owners, George Kelly Department Store, Front and Norris streets. Brick, 2 stories, composition roof, metal lath, (plumbing, heating, electric work and painting reserved). Contract

ASPHALT SHINGLES

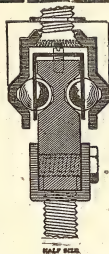
FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.



Write
for
Catalogue
and
Discounts

THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

awarded to Edmund Melloy, 2316 East Lehigh avenue, Philadelphia.

Stable, 1540 Callowhill street and 1541-43 Carlton street, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, Eugene H. Hunter, care architect. Brick, 1 story, 33x100 feet, slag roof, cement floors, electric lighting, steam heating. Contract awarded to H. Reusswick, 137 North Tenth street, Philadelphia.

Stable, 1540 Callowhill street and 1541-43 Carlton street, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, Eugene H. Hunter, care architect. Brick, 1 story, 33x100 feet, slag roof, cement floors, electric lighting, steam heating. Contract awarded to H. Reusswick, 137 North Tenth street, Philadelphia.

Manufacturing Building, Front and Erie avenue, Philadelphia. Architects, Waston & Hurkel, 1211 Walnut street, Philadelphia. Owners, Hess-Bright Mfg. Co., on premises. Brick, steel and concrete, 1 story, 40x40 feet, wood roof. Contract awarded to Harrison C. Rea Co., 1021 Wood street, Philadelphia.

Stores (alts.), 2330-34 North Front street, Philadelphia. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owners, George Kelly Department Store, Front and Norris streets. Brick, 2 stories, composition roof, metal lath, (plumbing, heating, electric work and painting reserved). Contract awarded to Edmund Melloy, 2316 East Lehigh avenue, Philadelphia.

Residence, 2258 North Fifty-third street, Philadelphia, \$12,000. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, W. Herbert Gibson, 2258 North Fifty-third street, Philadelphia. Stone, 2½ stories, 27x42 feet, slag and slate roof, tile work, warm air heating, oak floors, electric lighting. Contract awarded to Monaghan & Loose, 2*4 South Twelfth street, who are taking sub-bids on plumbing, hot air heating and plastering.

Film Building, Twelfth and Winter streets, Philadelphia. Architect, Charles F. Oelschlagger, Harrison Building, Philadelphia. Brick, 2 stories, slag roof, electric lighting, 32x53 feet, steam heating. Contract awarded to H. Henwood, 1505 Wood street, Philadelphia.

Laboratory Building, Broad and Ontario streets, Philadelphia, \$5,500. Architect, Herbert C. Wise, Franklin Building, Philadel-

phia. Owners, Temple University, Broad and Berks streets, Philadelphia. Concrete work, metal lath, plumbing and electric work, slate sill. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

Church, Sixty-fifth and Saybrook avenue, Philadelphia, \$18,000. Architect, private plans. Owners, Woodland Baptist Church, Rev. R. Neisser, 6408 Saybrook avenue, Philadelphia. Stone and brick, 2 stories, 72x63 feet, slate or asbestos shingle roof, steam heating, electric lighting. Contract awarded to Miller & England Co., 1124 Washington avenue.

Factory (add.), Wayne avenue and Windrim street, Philadelphia, \$4,300. Architect, private plans. Owners, Wrigley Manufacturing Co., on premises. Brick, 2 stories, slag roof. Contract awarded to N. M. Bean, 4411 Germantown avenue.

Garage, 6379 Sherwood Road, Philadelphia, \$1,000. Architect, private plans. Owner, Frederick S. Drake, Commercial Trust Building, Philadelphia. Stone, 1 story, cement floors, electric lighting. Contract awarded to William J. Hutchinson, 243 West Seymour street, Philadelphia.

Garage, 732 Westview avenue, Philadelphia, \$1,000. Architect, private plans. Owner, William E. Getzell, on premises. Brick and stone, 1 story, cement floors, electric lighting. Contract awarded to Murphy & Co., 263 South Tenth street, Philadelphia.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

R. O. SCHEEL, PRESIDENT

FLOORS

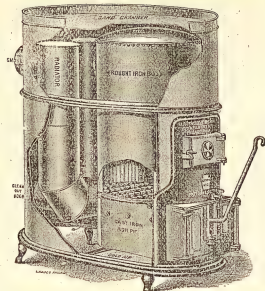
H. H. S. OGDEN, SECRETARY
PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

Perfect Hot Air Heating



Keystone Wrought Iron Furnaces

Perfectly Simple and Simply Perfect
Wrought Iron Construction
No Cement Joints

J. REYNOLDS & SON
Manufacturers of Heaters and Ranges
1613 Filbert St., Philadelphia

Gas Talks For Builders

No matter how small or how large your kitchens, we have All-Gas Kitchen equipments to exactly meet your requirements.

Let us co-operate with you. We have ideas that will save you money.

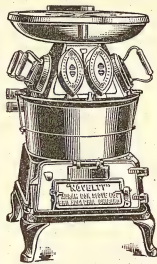
Call up the "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greeley.



THE NEW "NOVELTY" LAUNDRY STOVE

Answers the Growing Demand of House Buyers in the Most Practical and Efficient Way.

It will Supply AMPLE HOT WATER AT ALL TIMES at a Cost of Only a Few Cents a Day; and in addition will also Heat Eight Irons on the Side and a Large Wash Boiler on the Top.

Write for Literature and See Why it is the Most Efficient Appliance of its Kind

Manufactured by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

PENNSYLVANIA

Construction News

High School, Lebanon, Pa., \$150.00. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, John Selzer, Chairman Building Committee, Lebanon, Pa. Brick, 2½ stories, 180x180 feet, promenade tile roof, indirect fan system of steam heating, electric lighting, tile work, dampproofing, slate blackboards. Plans about completed. Owners will advertise for bids October 1st.

High School, Lehigh, Pa., \$80,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. F. Rehrig, Secretary, Lehigh, Pa. Stone and marble, 2 stories, 120x130 feet, composition roof, warm air heating, electric lighting, concrete floors, metal lath, dampproofing, slate blackboards. Plans in progress. Owners will take bids in about six weeks.

School Building, Pine Grove, Pa., \$35,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, Pine Grove, Pa. Brick, 3 stories, 80x100 feet, slag roof, mechanical heating system, electric lighting, slate blackboards. Plans in progress.

Church, Womelsdorf, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Zion Evangelical Lutheran Church, Womelsdorf, Pa. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Warehouse and Showroom, Reading, Pa. Architect, Geo. L. Gerhard, 519 Penn street, Reading, Pa. Owner, Geo. D. Lessig, Reading, Pa. Brick, 3 stories, 17x45 feet, 79x30 r17 feet, and 34x30 feet, slag roof, steam heating, electric lighting, elevator, water proofing. Plans about completed. Architect will take bids in a few days.

Bungalow, Rosedale, Pa. Architect, Geo. L. Gerhard, 519 Penn street, Reading, Pa. Owner, James Pengelly, Reading, Pa. Frame, 1½ stories, 24x32½ feet, Neponset shingle roof, electric lighting. Plans in progress.

Residence and Garage, Bethayres, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner Anderson MacPhee, 33 North Thirty-sixth street, Philadelphia. Fisklock tapestry brick, 2½ stories, 42x30 feet, shingle roof, vapor vacuum

heating, electric lighting, hardwood floors, tile work. Architects taking bids, due October 1st. The following are figuring: James B. Flounders, 1329 Arch street; Specht & Sperry, Heed Building; McCormick & McCormick, 1011 Chestnut street; Eugene Tourison, 1001 Chestnut street, all of Philadelphia; Harry Murphy, Willow Grove, Pa.; E. D. Lever, Abington, Pa.; W. John Stovens, Wyncote, Pa.

Residence, Ardmore, Pa. Architect, H. L. Reinhold, 1309 Walnut street, Philadelphia. Owner, John W. Brook, Ardmore, Pa. Frame and stucco, 2½ stories, 16x40 feet, shingle roof, hot air heating, electric lighting. Owner is taking sub-bids.

Boiler House, Haverford, Pa. Engineer, Albert C. Wood, Pennsylvania Building, Philadelphia. Owners, Haverford School, care E. W. Wilson, Haverford, Pa. Brick, concrete and steel, 1 story, 27x45 feet, slag roof, reinforcing bars, iron stairs, metal lath, Engineer has received bids.

Hall Building, Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank Building, Easton, Pa. Owners, P. O. S. of A., Washington Camp No. 542, Easton, Pa. Hall building, brick and terra cotta, 3 stories, 130x44 feet, Apartment house, 4 stories, 37x45 feet, slag roofs, tile and terrazzo floors, metal lath, electric lighting, fire escapes, plumbing, heating separate bids. Architect will take revised bids from Beard Const. Co., Reading, Pa., and Butz & Clader, Allentown, Pa.

Residence and Garage, St. David's, Pa. Architect, H. Bartol Register, 1012 Walnut street, Philadelphia. Owner, Charles Henry Scott, Jr., Land Title Building, Philadelphia. Hollow tile and plaster, 2½ stories, 29x62 feet, shingle roof, hot air heating, electric lighting, ing, hardwood floors, tile work. Contract awarded to Elfreth & Wood, 1708 Sansom st., Philadelphia.

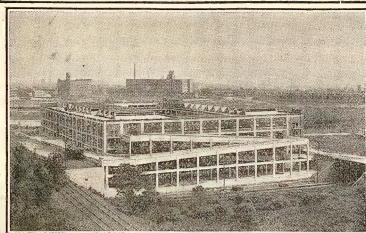
Garage, Springmont, Pa., \$2,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, M. F. Wilkinson, Reading, Pa. Frame and stucco, 2 stories, 20x25 feet, tile roof, hot water heating, electric lighting, cement floors. Plans in progress.

Residence, Wyomissing, Pa. Architect, J.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



HENRY R. SHOCH BLDG., PHILA.

This Modern Concrete Building occupying entire city block is one of the many buildings erected by

TURNER CONCRETE STEEL COMPANY

1713 Sansom St., Phila., Pa.

An attractive Catalog illustrating many of the buildings erected by us mailed upon request.

E. Hickman, 119 South Fifth street, Reading, Pa. Owner, J. E. Hickman, 119 South Fifth street, Reading, Pa. Frame, 2 stories, 20x31 feet, tile roof, hot air heating, electric lighting, hardwood floors, tile work. Plans in progress.

Bank Building (alt. and add.), Reading, Pa., \$15,000. Architect, A. F. Smith, 1092 Penn street, Reading, Pa. Owner, Reading Trust Co., Reading, Pa. Stone, 2½ stories, consists of new front and remodeling of interior, elevator, electric lighting. Plans about completed. Architect will take bids in ten days.

Residence, Chester, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, Harry Booth, Chester, Pa. Hollow tile and plaster, 2½ stories, 25x42 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

Residence, Chester, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, A. Hawley, Chester, Pa. Hollow tile and plaster, 2½ stories, 25x40 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

Residence, Moylan, Pa. Architect, Edwin Bowden, Drexel Hill, Pa. Owner, Frank V. Warren, 316 North Thirty-seventh street, Philadelphia. Stone, 2½ stories, 53x42 feet, shingle roof, warm air heating, electric lighting, oak floors, tile work. Owners taking bids, due September 25th. R. C. Ballinger & Co., 218 North Thirteenth street, and E. J. Kreitzburg, 1345 Arch street, Philadelphia, are figuring.

Dwellings (29) and stores (4), Eddystone, Pa. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, M. Toll, Eddystone, Pa. Brick and stone, 2 stories, 15x40 feet, 15x46 feet, 16x52 feet, and 18x52 feet, slag roof, combination lighting, hot air heating. Plans about completed. Architect will take bids in a few days.

Apartment House (add.), Eddystone, Pa. Architect, H. H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 2 stories, 30x70 feet, slag roof, steam heating, electric lighting. Plans in progress.

Picture Theatre, Eddystone, Pa. Architect, H. H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 1 story,

slag roof, steam heating, electric lighting. Plans in progress.

Residence, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Mrs. Warren A. Wilbur, South Bethlehem, Pa. Hollow tile, brick and plaster, 2½ stories, 39 x39 feet, shingle roof, warm air heating, elevator, tile and marble work, oak floors, electric lighting, reinforcing bars. Architect taking bids, due September 29th. Charles McCaul Co., 1713 Sansom street, Philadelphia, is figuring.

Store and Apartments, Easton, Pa., \$50,000. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, M. Krohn, Easton, Pa. Brick, 5 stories, 60x100 feet, composition roof, steam heating, electric lighting, composition flooring, elevator, ornamental iron work. Architect taking bids. The following are figuring: Stacey Reeves Sons, 2011 Market street, Philadelphia; Beard Construction Co., Reading, Pa.; Butz & Clader, Allentown, Pa.; Groman Bros., Bethlehem, Pa.; A. A. Bechtel, Easton, Pa.; George Lutz, Easton, Pa.; Horace Folkenson, Easton, Pa.

Hospital Buildings, Easton, Pa., \$225,000. Architect, Wm. Michler, Drake Building, Easton, Pa. Owners, Easton General Hospital, care Wm. Tonkin, Easton Trust Co. Building, Easton, Pa. Brick, steel and stone, fireproof, 2 and 3 stories, details not decided. Plans in progress.

Residence, Easton, Pa. Architect, Wm. Michler, Drake Building, Easton, Pa. Owner, Jacob Myers, Easton, Pa. Brick and stucco, 2½ stories, 30x48 feet, tile roof, hot water heating, electric lighting, metal lath, tile work, oak floors. Plans about completed. Architect will take bids in a few days.

Residence, Easton, Pa., \$7,000. Architect, Wm. Michler, Drake Building, Easton, Pa. Owner, name withheld. Brick, 2½ stories, 38x43 feet, slate roof, hot air heating, electric lighting, oak floors, tile work. Plans in progress.

Residences (9), Wilson Township, Pa., \$16,000. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, Miller Bros., Easton, Pa. Brick, 2½ stories, 16x44 feet each, slate roofs, electric lighting, heating not decided. Plans in progress.

Residence, Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owner, name withheld. Hollow



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.

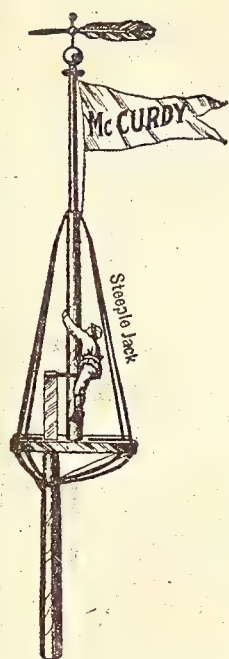
The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



FLAG POLES and Fittings

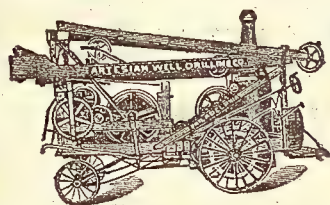
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



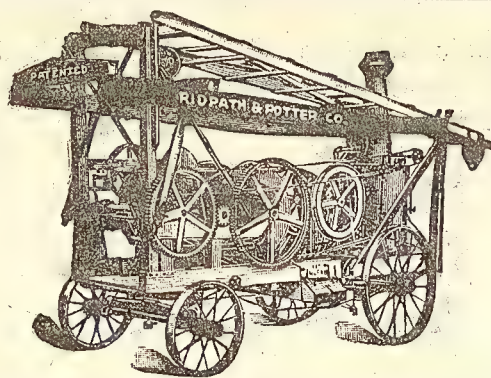
LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

tile and stucco, 2 stories, 18x32 feet, slate roof, hot air heating, electric lighting, tile work, hardwood floors. Architect taking bids. Geo. Lutz, Easton, Pa., is figuring.

Residence (alt. and add.), Paoli, Pa. Architect, Henry W. Wilkinson, 15 West Thirty-eighth street, New York City. Owner, Arthur G. Dixon, Paoli, Pa. Stone and plaster, 2½ stories, tin roof, metal lath, tile work. Architect taking bids, due September 23d. R. C. Ballinger & Co., 218 North Thirteenth street, and A. R. Raff, 1635 Thompson street, are figuring.

Loft Building, Wilkes Barre, Pa. Architect, Julius J. Anderson, Drexel Building, Philadelphia. Owner, M. J. Lewis, Wilkes Barre, Pa. Brick, 3 stories, 42x110 feet, slag roof, steam heating, electric lighting. Architect taking bids, due September 30th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Residence, Ardmore, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, Frank H. Mahan, Ardmore, Pa. Stone, 2½ stories, 32 x100feet, slate roof, hot water heating, oak floors, electric lighting, tile work. Plans about completed. Owner will take sub-bids in a few days.

Picture Theatre, Eddystone, Pa. Architect, H. H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 1 story, slag roof, steam heating, electric lighting. Plans in progress.

Apartment House (add.), Eddystone, Pa. Architect, H. H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 2 stories, 30x70 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence, Ardmore, Pa. Architect, H. L. Reinhold, 1309 Walnut street, Philadelphia. Owner, John W. Brook, Ardmore, Pa. Frame and stucco, 2½ stories, 16x40 feet, shingle roof, hot air heating, electric lighting. Owner is taking sub-bids.

Garage, Springmont, Pa., \$2,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, M. F. Wilkinson, Reading, Pa. Frame and stucco, 2 stories, 20x25 feet, tile roof, hot water heating, electric lighting, cement floors. Plans in progress.

Residences (*5), Allentown, Pa. Architect, E. Allen Wilson, *208 Chestnut street, Philadelphia. Owner, Charles O. Hunsicker, Hunsicker Building, Allentown, Pa. Brick, 2 stories, 16x41 feet, slag and slate roof, steam heating. Plans completed. Owner ready for sub-bids.

Residence, Narberth, Pa. Architect D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, William T. Harris, 207 Price street, Narberth, Pa. Hollow tile and stucco,

2½ stories, 30x35 feet, slate and tile roof, hot water heating, hardwood floors. Plans completed. Owners ready for sub-bids.

Residences (3), Springfield, Pa., \$12,000. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building, Philadelphia. Stone, 2½ stories, (2) 25x34 feet and (1) 25x35 feet, rough cast, slate roof, warm air heating. Plans completed. Architects ready for bids.

Twin Residence, Lansdale, Pa. Architect, Samuel S. Conner, Post Office Building, Lansdale, Pa. Owner, Jacob W. Drescher, Lansdale, Pa. Brick, 2½ stories, 16x56 feet, slate roof, hot water heating, electric lighting.

Bank Building, Girardville, Pa., \$20,000. Architect, W. H. Lee, Shamokin, Pa. Owners, First National Bank, Girardville, Pa. Stone and terra cotta, 1 story, vapor heating, slag roof. Plans completed. Architect ready for bids.

Sewage Disposal Plant, Glen Mills, Pa. Engineers, Franklin & Co., Crozer Building, Philadelphia. Owners, Girls' House of Refuge of State of Pennsylvania, Glen Mills, Pa. Consisting of mechanical work, concrete work, pipe work and general alterations. Lowest bid submitted by Latta & Terry, Drexel Building, Philadelphia.

Residence (alt. and add.), Langhorne, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, John M. Patterson, Langhorne, Pa. Stone, 2 stories, 30x40 feet, shingle roof, hot water heating, hardwood floors. Architect taking revised bids, due September 30th. Joseph T. Taylor, Langhorne, Pa., is figuring.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

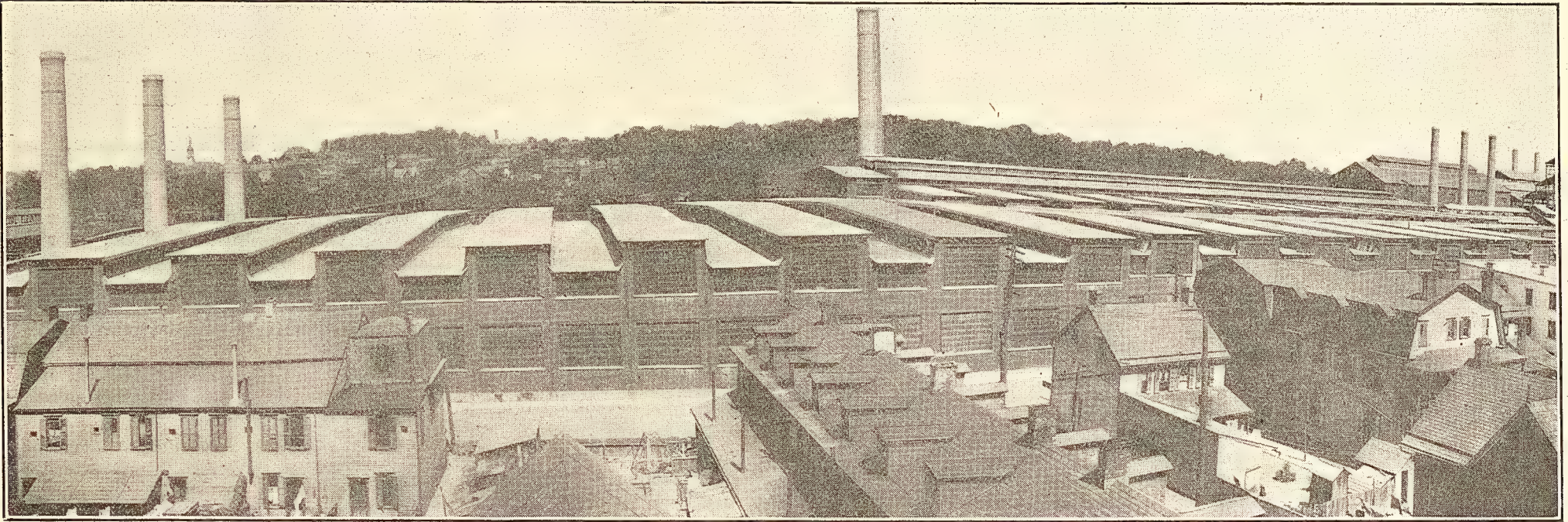
**The Broomell System
of Vapor Heating**

The original and only real VAPOR SYSTEM.
Installed in over ten thousand buildings of every kind
and size. *It will pay you to investigate.*

VAPOR HEATING CO., YORK : PA.

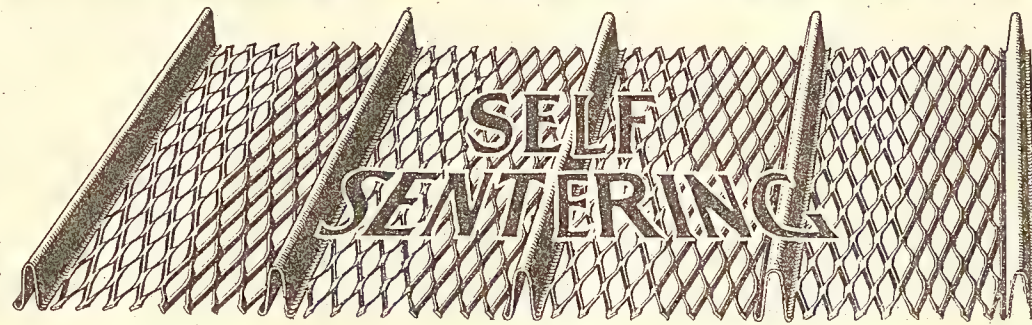
HARTMAN BLDG.

Economical Concrete Roofs



BETHLEHEM STEEL COMPANY
(300,000 sq. ft. of Self Sentering Specified and Used)

**Unnecessary Work Eats Up Your Profit
Use Self-Senterring and Do Away with Forms**



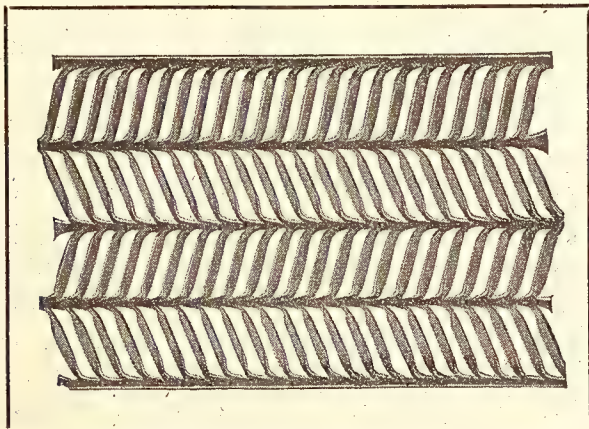
[Self-Senterring is Different — You'll know it by its Diamond Mesh]

Self-Senterring is a combined centering and reinforcing, a one piece studding and lath. With Self-Senterring, 2 inch roofs, curtain walls, partitions, etc., are erected rapidly and without an unnecessary labor cost. For a required strength, there is less weight and labor in Self-Senterring construction than in any other type.

Send for our "Fireproofing Handbook"—Free

Learn from this book how you can save time, labor and material in concrete construction. The book is full of details—drawings, specifications, etc. You will find it valuable. Send for it. The last word in concrete construction.

QUALITY



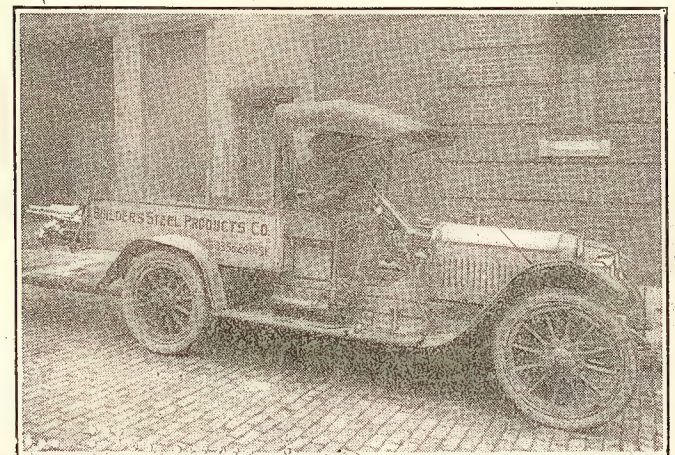
HERRINGBONE METAL LATH

PRICE

on

Application

SERVICE



BUILDERS STEEL PRODUCTS CO.

PHILADELPHIA :: HARRISBURG :: WILKES BARRE

PENNSYLVANIA Contracts Awarded

Residence, Morton, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Miss M. G. O'Hara, Morton, Pa. Stone and frame, 2½ stories, 30x46 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Rutledge Construction Co., Rutledge, Pa.

Residence, Lansdowne, Pa. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, C. N. Godfrey, 235 Real Estate Trust Building, Philadelphia. Hollow tile and plaster, 2½ stories, 37x27 feet, wing 16x22 feet, slate or shingle roof, electric lighting, tile work, (heating reserved). Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

Residence, Longwood, Pa. Architects, Brown & Whiteside, Du Pont Building, Wilmington. Owner, Pierre L. Du Pont, Wilmington, Del. Hollow tile and concrete, 2 stories, 40x50 feet, wing 25x25 feet, slate roof, vapor heating, electric lighting, tile work. Contract awarded to Thos. F. Grady, Kennett Square, Pa.

Residence (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, Easton National Bank, Easton, Pa. Owner, Dr. Elmer J. Dick, Easton, Pa. Stone, 1 story, 18x20 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors, dampproofing. Contract awarded to F. J. Lerch & Co., Easton, Pa.

Church (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, First National Bank Building, Easton, Pa. Owners, St. Anthony of Padua R. C. Church, Rev. John D'Araio, Easton, Pa. Stone, 2 stories, 40x125 feet, slate roof, steam heating, electric lighting. Contract awarded to Dominico Mangino, South Easton, Pa.

Foundry (add.), Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owners, Carpenter Steel Co., Reading, Pa. Hollow tile, concrete and steel, 2 stories, 99x168 feet, composition roof, steam heating, electric lighting. Contract awarded to L. H. Foelt & Son, Baer Building, Reading, Pa.

Dye Works (add.), Reading, Pa. Architect, Geo. L. Gerhard, 519 Penn street, Reading, Pa. Owners, Reading Dyeing Co., Reading, Pa. Brick, 2 stories, 40x120 feet, slag roof, steam heating. Contract awarded to Charles H. Schlegel, Mt. Penn, Reading, Pa.

Residence, Speedway Park, Pa. Architect, Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Samuel Gibboney, Reading, Pa. Frame and stucco, 2 stories, 34x27 feet, asbestos shingle roof, hot air heating, electric lighting. Contract awarded to L. G. Hyman, Reading, Pa.

Residence, Longwood, Pa. Architects, Brown & Whiteside, Du Pont Building, Wilmington. Owner, Pierre L. Du Pont, Wilmington, Del. Hollow tile and concrete, 2 stories, 40x50 feet, wing 25x25 feet, slate roof, vapor heating, electric lighting, tile work. Contract awarded to Thos. F. Grady, Kennett Square, Pa.

Residence and Garage, St. Davids, Pa. Architect, H. Bartol Register, 1012 Walnut street, Philadelphia. Owner, Charles Henry Scott, Jr., Land Title Building, Philadelphia. Hollow tile and plaster, 2½ stories, 29x69 feet, shingle roof, hot air heating, electric lighting, hard wood floors, tile work. Contract awarded to Elfreth & Wood, 1708 Sansom st., Philadelphia.

Residence, Morton, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Miss M. G. O'Hara, Morton, Pa. Stone

and frame, 2½ stories, 30x46 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Rutledge Construction Co., Rutledge, Pa.

Residence, Lansdowne, Pa. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, C. N. Godfrey, 235 Real Estate Trust Building, Philadelphia. Hollow tile and plaster, 2½ stories, 37x27 feet, wing 16x22 feet, slate or shingle roof, electric lighting, tile work, (heating reserved). Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

Bridge, Trevoise, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Concrete, 3 spans, asphalt paving. Contract awarded to Seeds & Derham, 6314 Wissahickon avenue.

Bridge, north of Quakertown, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Concrete slabs and concrete abutments. Contract awarded to Seeds & Derham, 6314 Wissahickon avenue, Philadelphia; waterproofing to the Minwax Co., New York City.

Armory (completion), Lebanon, Pa., \$20,000. Architects, McCormick & French, Wilkes Barre, Pa. Owners, State of Pennsylvania, care Armory Board, Harrisburg, Pa. Brick, stone, fireproof, 2 stories, 62x120 feet, slag roof, electric lighting, steam heating, maple floors, metal lath, metal frames and sash, metal lockers. Contract awarded to James P. Farrell & Co., 1610 Sansom street, Philadelphia, who are taking sub-bids on all lines.

Bridges (3), Milton, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway Co., Reading Terminal. Concrete piers and steel girders, waterproofing. Contract for substructure awarded to Walsh Construction Co., Davenport, Ia.; superstructure, The Pennsylvania Steel Co., Steelton, Pa.; waterproofing, to Ninwax Co., Inc., New York City.

Residence (alt. and add.), Laverock, Pa., \$65,000. Architect, Charles A. Platt, 11 East Twenty-fourth street, New York City. Owner, Isaac T. Starr, 400 Chestnut street, Philadelphia. Brick and plaster, 2½ stories, slate, slag and canvas roofing, metal lath, oak floors, tile work, waterproofing (heating, plumbing and electric work reserved). Contract awarded to J. S. Cornell & Son, Land Title Building, Philadelphia.

Passenger Station, Kiskiminetas Junction, Pa. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 1 story, stone and terra cotta, 28x97 feet; 2 wings, 1 story, 19x15 feet, tile roof, metal lath, composition flooring, steam heating. Contract awarded to Henry Shenk Co., 1154 Century Building, Pittsburgh, Pa.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scripper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

The prosperous, the great, the wise,
You may have noticed, advertise!

Miscellaneous Construction News

Union Station, Macon, Georgia. Architect, Alfred Fellheimer, 7 East Forty-second street, New York City. Owners, Macon Terminal Co., Macon, Ga. Stone and steel, fireproof, 1 and 3 stories; Station, 243x84 feet; Express building, 134x57 feet; Baggage building, 112 x57 feet; Shelter sheds, etc. Owners taking bids, due October 12th. Metzger & Fisher, Denckla Building, and Irwin & Leithon, 126 North Twelfth street, Philadelphia, are figuring.

College Building, Lexington, Va. Architect, Bertram C. Goodhue, 2 West Forty-seventh street, New York City. Owners, Virginia Military Institute, Lexington, Va. Brick and plaster, 2 stories, 63x123 feet, tin roof, oak floors, dampproofing, tile and marble work, metal sash, metal lath, (heating and electric work reserved). Owners taking bids, due October 9th. James H. Wells, Heed Building, Philadelphia, is figuring.

School, Townsend, Del., \$7,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, W. G. Money, Secretary, Townsend, Del. Brick and shingle, 2 stories, 48x70 feet, shingle roof, steam heating, slate blackboards. Owners taking bids, due September 28th.

Residence (alt. and add.), Monchanin, Del., \$25,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owner, R. R. M. Carpenter, Dupont Building, Wilmington, Del. Hollow tile and plaster, 2½ stories, addition 54x36 feet, tile roof, oak floors, canvas floors, reinforced concrete fireproofing, reinforcing bars, metal lath, (tile work, heating, plumbing and electric work reserved). Architect has received bids.

Office Building, Broadway and John street, New York City. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, John Cretet Corporation, New York City. Brick, terra cotta, stone and steel, fireproof, 6 stories; 30x75 feet, composition roof, steam heating, elevators, electric lighting, marble and tile work. Plans in progress.

Freight House, Chicago, Ill. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore, Md. Brick and steel, 2 and 3 stories, 18x250 feet and 52x280 feet, composition roof, safety treads, waterproofing, steel sash, steam heating (electric work reserved). Owners have received bids.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

Are you a regular subscriber to "The Guide"?

New Jersey Construction News

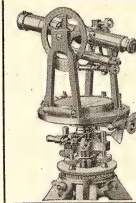
School Building, Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, District Clerk, Berlin. Brick, 1 story, 75x60 feet, slate roof, (warm air heating, plumbing and electric work separate bids). Owners taking bids, due October 4th. The following are figuring: Eugene Tourison, 1001 Chestnut street; H. J. Wenzelberger, Phillipsburg, N. J.; Frederick Lange, Audubon, N. J.

School Building, West Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, District Clerk, Berlin. Brick, 1 story, 75x60 feet, slate roof, (warm air heating, plumbing and electric work separate bids). Owners taking bids, due October 4th. The following are figuring: Eugene Tourison, 1001 Chestnut street; H. J. Wenzelberger, Phillipsburg, N. J.; Frederick Lange, Audubon, N. J.

Church, Butler street, Trenton, N. J. Architect, Walter Thomas Mayo, 1701 Chestnut street, Philadelphia. Owners, First Italian Baptist church, Butler street, Trenton, N. J. Brick, 1 story, 60x45 feet, slag roof. Revised plans in progress.

Office Building, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Taylor-White Extracting Co., Coopers Creek, Camden, N. J. Brick, 2 stories and basement, 24x40 feet, slag roof, steam heating, electric lighting. Architects taking bids, due September 27th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Barclay White Co., Perry Building; Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth st.; H. E. Baton, Twelfth and Sansom streets; Armstrong & Latta, Land Title Building; Philip Haibach Contracting Co., Twenty-sixth and Thompson streets; John N. Gill Co., Heed Building, Philadelphia; J. S. Rogers Co., Moorestown, Pa.; Frank Turner, 838 Broadway, Camden, N. J.

Home Buildings, Skillman, N. J., \$200,000. Architect, Geo. S. Drew, State Capital, Trenton, N. J. Owners, New Jersey State Village of Epileptics, Skillman, N. J. Consists of a group of 7 buildings, brick, concrete, terra cotta and steel, fireproof; Cottage, 2½ stories, 116x31 feet; Assembly building, 2 stories, 125x65 feet; Cottage, 2½ stories, 39x60 feet; Laundry building addition, 2 stories, 39x60 feet; Service building, 2 stories, 114x42 feet; Cottage, 2½ stories, 98x22 feet; Nurses Cottage, 2½ stories, 80x30 feet, composition and slate roofs, dampproofing, tile and marble work, composition floors, metal lath, reinforcing rods, (heating, electric work and plumbing separate bids). Owners taking bids, due October 4th. The following are figuring: Geo. Hogg, 1634 Sansom street; John N. Gill & Co., Heed Building; James H. Wells, Heed Building; McCloskey & Bahls, Hale Building; Metzger & Fisher, Denckla Building, all of Philadelphia; Butz & Clader, Allentown, Pa.; J. F. Crowe Construction Co., 118 Hudson street, Albany, N. Y.; W. R. Titus, Woodbury, N. J.; Gustave Dekimpe, 70 Hudson street, Hoboken, N. J.; Chas. D. Burns, Bridgeport, Pa.; De Riso Bros., Union, N. J.; Phillipsburg Const. Co., 15 North Broadway, Yonkers, N. Y.; S. W. Mather & Son, Trenton, N. J.; J. S. Rogers Co., Moorestown, N. J.; Jersey City Const. Co., 75 Montgomery street, Jersey City, N. J.; Geo. B. Wills Co., 101 Park avenue, New York City; Frederick Lange, Audubon, N. J.; Hall Bros., Somerville, N. J.; The Lustbader Const. Co., 163 East Eighty-second street, New York City; M. Byrnes Const. Co., Elizabeth, N. J., and J. P. Gill, Trenton, N. J.



We want every **BUILDER, ARCHITECT** and **CONTRACTOR** to call here at our **Factory and Salesroom** and examine our **1916 Model No. 25.**

"Sterling" Contractors' Transit

You will find in it the "last word" in instrument construction.

DESIGNED AND MADE BY

WARREN-KNIGHT CO.

FACTORY AND SALESROOM

PHILADELPHIA

We repair
Transits
Levels
Tapes

136 N. 12th Street

Rebuild
Instruments
For Sale
or Rent

School (add.), Roseville, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education of Whitford Township. Brick, 1 story. Owners taking bids, due October 5th. The following are figuring: W. E. Titus, Woodbury, N. J.; E. J. Reiff, Berlin, N. J.; Richman Construction Co., Moorestown, N. J.

Yacht Club, Beach Haven, N. J., \$5,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Little Egg Harbor Yacht Club, Beach Haven, N. J. Frame and stucco, 2½ stories, 35x55 feet, shingle roof. Architects taking bids, due October 4th. The following are figuring: Grant & Cramer, William S. Butler, Thomas Lane, and the Beach Haven Const. Co., all of Beach Haven, N. J.; H. H. Hankins & Bro., Bridgeport, N. J., and H. W. Applegate, Merchantville, N. J.

Gardener's Cottage, Kingston, N. J., \$3,000. Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Joseph Garman, Kingston, N. J. Frame, 2 stories, 26x30 feet, slate roof, hot air heating, electric lighting. Plans completed. Owner ready for bids.

Store and Residence, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner's name withheld. Brick, 2½ stories, 22x46 feet, slate roof, electric lighting. Plans in progress.

School (alt. and add.), Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owners, Board of Education, H. H. Young, secretary, Atlantic City. Brick, terra cotta, reinforced concrete and steel, fireproof, 3 stories, 90x150 feet, slag and slate tile roofing, metal sash, kalamein doors, metal lath, slate blackboards, metal lockers, dampproofing and waterproofing, composition flooring, safety treads, tile and marble work, weather strips. Owners taking new bids, due October 7th. The following are figuring: Wilbert Beaumont, Stephen Girard Building; Henry L. Brown, 1714 Sansom street; Alex. Chumbley, 243 South Tenth street; Melody & Keating, Bailey Building; H. E. Baton, Twelfth and Sansom streets, all of Philadelphia, and John Ingersoll and E. L. Rader, both of Atlantic City, N. J.

Dining and Service Building, Vineland, N. J., \$50,000. Architect, George S. Drew, State Capital, Trenton, N. J. Owners, New Jersey Home for Insane Women, Dr. M. Halliwell, Vineland. Brick, 1 story, 150x192 feet, slag roof, steam heating, electric lighting, composition floors. Plans about completed. Owners will soon take bids.

Nurses' Home, Vineland, N. J. Architect, George S. Drew, State Capital, Trenton, N. J. Owners, New Jersey Home for Feeble Minded Women, Dr. M. Halliwell, superintendent. Brick, 3 stories, 120x50 feet, slag roof, steam heating, electric lighting, composition floors, metal lath, dampproofing and waterproofing. Plans about completed. Owners will soon take bids.

Church (alt. and add.), Trenton, N. J., \$10,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, Christ Episcopal Church, care of Rev. Robert W. Trenbath, 296 Hamilton avenue, Trenton, N. J. Stone, 1 story, 20x60 feet,

slate roof, electric lighting, tile floors. Revised plans completed. Architects will take bids in a few days.

Factory Building, Trenton, N. J., \$96,000. Architect, private plans. Owners, John A. Roebling's Sons Co., Trenton, N. J. Brick and steel, 1 and 3 stories, 234x100 feet and 198x100 feet, slag roofs, steam heating. Work started. Owners are sub-letting.

Residences (10), Trenton, N. J. Architect, private plans. Owner, Harry Siegel, 123 Phillips street, Trenton, N. J. Brick, 2 stories, 14x40 feet each, slag roof, hot air heating. Owner is sub-letting all contracts.

New Jersey

Contracts Awarded

Factory, Trenton, N. J., \$20,000. Architects, M. Slack & Son, American Mechanics Building, Trenton. Owners, Thermoid Rubber Co., Trenton, N. J. Brick and steel, 2 stories, 90x191 feet, slag roof, steam heating, electric cement and wood floors. Contract awarded to W. J. Morris, Trenton, N. J.

Club House (alt. and add.), Trenton, N. J., \$10,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owners, Oriol Order of Eagles, No. 190, Trenton, N. J. Brick, 3 stories, 110x27 feet, slag roof, slag roof, steam heating, electric lighting, tile work. Contracts awarded: Mason work to W. J. Morris, Trenton, N. J.; carpenter work to Charles Randall, Trenton, N. J.

Church, Paulsboro, N. J. Architect, W. P. Endebrock, American Mechanics Building, Trenton, N. J. Owners, St. John's R. C. Church, Paulsboro, N. J. Frame, 1 story, 40x50 feet, shingle roof. Contract awarded to Joseph B. Best, Woodbury, N. J.

Rectory, Collingswood, N. J., \$7,500. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, First M. E. Church, Rev. Alfred Magg, Collingswood, N. J. Stone and brick, 2½ stories, 37x51 feet, slate roof, vapor heating, electric lighting, tile work, metal lath. Contract awarded to J. J. Robbins, Collingswood, N. J.

Factory, Trenton, N. J., \$20,000. Architects, M. Slack & Son, American Mechanics Building, Trenton. Owners, Thermoid Rubber Co., Trenton, N. J. Brick and steel, 2 stories, 90x191 feet, slag roof, steam heating, electric cement and wood floors. Contract awarded to W. J. Morris, Trenton, N. J.

Fire House (alt.), Fifth and Arch streets, Camden, N. J., \$9,450. Architect, private plans. Owners, City of Camden, N. J. Consists of extensive interior alterations. Contract awarded to William Wifford, 525 Market street, Camden, N. J. Bids will be taken on 26 metal lockers.

Factory, Camden, N. J. Architect, private plans. Owners, C. B. Coles Sons Co., Camden, N. J. Brick, 2 stories, 92x120 feet, slag roof, steam heating, electric lighting. Con-

(Continued on page 630.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., SEPTEMBER 29, 1915.

AMERICAN INSTITUTE OF ARCHITECTS
(Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Bart L. Fenner, New York
Treasurer. *F. J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
 Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonie, New York City; John Hall
Rankin, Philadelphia.For Two Years—Walter Cook, New York City;
W. E. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brookie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Dubring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

If Secretary McAdoo, of the Treasury Department has his way, and he is in a position to have it under the present administration, public building to be hereafter erected by the Government will be to some extent standardized as to design, will be less ornate in character and much more economically constructed. This result is assured by an order recently issued by Secretary McAdoo to the Acting Supervising Architect. Just how far the order is meant to go in the direction of discouraging originality in the design of public buildings remains to be seen. It is variously interpreted by architects, some of whom take it to be a move in the wrong direction, the ultimate outcome of which will be a series of public buildings monotonous in the sameness of their design; others interpreting it as a change to a common sense program, the object of which is to prevent the expenditure of large sums of money on unimportant and out-of-the-way rural communities in which elaborate design is neither necessary, prudent or warranted by local conditions.

F. W. Fitzpatrick, the Washington architect, whose views are as a rule at variance with those held by the members of his profession, endorses Secretary McAdoo's stand as a move in the right direction.

* * *

Writing on the subject in the pages of the "San Francisco Architect and Engineer," Mr. Fitzpatrick remarks:

"A recent order of Secretary McAdoo's directs one of the most intelligent moves ever made by the Treasury Department in regard to public buildings. Heretofore, Federal structures, including post offices, were erected when and how Congress directed, each building project was voted on and made the subject of trade and barter by Congressmen. Perverted morals made it so that the Congressman was envied and admired and lauded who could swing influence enough to secure a \$50,000 building for every 'tank' town or village of 300 people in his district. He, indeed, was giving his constituents ideal and profitable representation. That it was unseemly extravagance at the cost of the whole country, a species of graft on a par with spending millions in doing fool work upon rivers that never were nor never will be navigable, was lost sight of utterly. Public morals are queer things at best and Congress generally, but reflects them—intensifies them.

"If Secretary McAdoo can make his order stick in the face of the Congressional opposition it is bound to meet, he will not only have the Supervising Architect's office producing sane and adequate buildings, but at a greatly accelerated speed, and will also come very near to securing us the much-to-be-desired 'budget' system of appropriations.

"His order is that buildings shall be in classes according to the postal receipts of the places receiving new buildings. Instead

of slapping down just as much of a building, however much more of it than justified by the business at that point, as the Congressman can haphazard out of the Government, a city or town doing such and such a postal business, judged by the postal receipts, is entitled to so much building only, Class A, B or C, and nothing more.

"Further, the Supervising Architect's office is away behind with the work and costs much more than it should because heretofore every building had to be specially planned and laboriously detailed to its minutest requirement. It mattered little how much it might resemble some other post office. It had to be all done in painful detail. Secretary McAdoo directs that economy be exercised and time gained by duplicating buildings where practicable, simply using the plans of one building for several.

"Architects make their buildings enough alike anyway, so that this move of the Secretary's will not be any great crime even against the canons and ethics of high art. Why shouldn't the post office at Suchaburgh, Mo., be alike unto that that does duty very satisfactorily at Wheatvale, Minn., towns of the same size and postal importance?

"A difference can be made in color of materials, one a buff brick, the other a gray, for instance, that would 'take off the curse,' so to speak, even to a person going direct from one town to the other. Of course, discretion and good sense will be used in the matter and similar buildings will not be erected in nearby towns, and, too, due regard will be given to climate and to having buildings conform in general terms at least to the geographic and vicinal conditions.

"Certainly a move in the right direction, and Mr. McAdoo deserves congratulations for having done the perfectly obvious thing to do—what has so often been suggested to the department, but that no predecessor of his ever had the courage to do."

* * *

"The Guide" is not disposed to receive this McAdoo order with the enthusiastic approval accorded it by Mr. Fitzpatrick. While there is undoubtedly some merit in the contention that to place an elaborate and expensive public building in a village of say 300 inhabitants is a needless waste of public money, the economy that condemns such practices may conceivably swing to a foolish extreme in the opposite direction. Say what you will about public buildings, they symbolize for a considerable element in the communities in which they are placed the Government for which they stand. If a fixed design is Secretary McAdoo's idea to be duplicated ad nauseum throughout the country without reference to surrounding architecture, local conditions or communal dignity, then we want to say with all the emphasis that we are able to command that it is false economy, poor

business and a decided step backward. If, on the other hand, the idea is merely to duplicate to a certain extent the style of buildings in small, unimportant and widely scattered communities, then the suggestion becomes at least tolerable, although still objectionable from an aesthetic point of view. We say "still objectionable" because the location of an attractive public building in the average small rural community often gives to that community an artistic impulse that is worth to the Government every dollar the building costs. There is something contagious about the example of good architecture. Place one attractive, well-designed building in a small town and it will not be long before the pride of its residents is sensibly stimulated. There becomes observable in a comparatively short time an awakened interest in better building. The popular taste in the locality commences to look up. If Secretary McAdoo has overlooked the beneficent influence exerted by good building in this respect, he is losing sight of an important factor in community development. Many a small town owes its first real impulse to better things, architecturally, to the lamented Tarsney Act, under which the Government located public buildings of considerable dignity in the smaller cities of the country. How far it is wise to go in a program of standardization of design is a question upon which we fancy Secretary McAdoo would be wise to get the opinion of architects rather than lay advisers. There is much to be said upon the artistic phases of the subject—those phases concerned with such questions as the elevation of the public taste, the symbolization of national dignity and the encouragement of the arts. Economy is a good thing in private commercial endeavor. It is not always an unmixed blessing in the larger affairs of Government.

* * *

We are accustomed to regard the skyscraper as a modern development. Most of us can recall with ease, in the case of our own towns, the building of the first of these tall structures. And yet the skyscraper is not new. Writing on this topic of the age of the skyscraper, a contemporary, with a taste for research, has succeeded in unearthing a number of rather interesting facts.

"In the days of Solomon," for instance, "there were buildings ten stories high; one rabbi tells of climbing 100 feet to his room; Herodotus says there were houses in Babylon four stories high, and Greek historians report many houses in ancient Tyre ten stories high. Athens had a building law limiting the height of buildings for residences to ten stories.

"About the year 325 A. D., when Constantine, the Roman Emperor, determined to establish his capital on the Golden Horn, he built a wall across the peninsula as the limits of his city and the dividing line between city and country taxes. Speculators rushed in and bought up land, raising real estate prices over 300 per cent. within a year.

"High buildings were the logical outcome of this condition, and the capitalists sent to Rome for architects who could design higher buildings, with the result that in ten years

the new capital rivalled Rome in this regard.

"Constantine, finding the view of the city and bay obstructed by these higher structures before he completed his palace, issued an edict forbidding buildings more than 100 feet high. A wail went up from the speculators, but the tops of the buildings had to come off, and it is recorded that one block lost the four upper stories, which would indicate that there were buildings from 125 feet to 135 feet.

"It is related that one Apothagos built a row of houses between the royal palace and the sea. They were of stone and brick as required by law and within the required limits of 100 feet, but on top of this he built frame structures of three stories. The royal 'inspector of buildings' ordered these frame superstructures to be removed, but Apothagos, claiming it was only a temporary structure for housing his workmen while they completed the building, went into court with it. After ten years of litigation, the superstructures were torn down, but all this time royalty was much offended by the buildings standing between it and the sea."

* * *

So that skyscrapers are, you will observe, not so very modern, after all.

* * *

Here's a little talk on "The Owner and His Building" from an exchange that just bristles with excellent common sense:

"Just how far shall the owner interest himself in the planning, construction and materials of his building so as to insure the most satisfactory results in the completed structure

"All of us are familiar with the bromidic expression, 'No one ever builds who wouldn't make changes the next time.' The many extras that accumulate in building operations are further evidence of the lack of complete understanding between the owner, the architect and the contractor. Such conditions are always unsatisfactory to all concerned. Surely the blame for this situation cannot be placed with the competent architect and contractor who, being trained and skilled in their lines of work, are able and desirous of securing perfect results.

"Is not the trouble, after all, largely due to the owner's lack of knowledge or attention to the details of planning, construction and materials that go to make up his building? The architect attempts to translate into finished work, the indefinite idea of a building which an owner has given to him in more or less impractical and untechnical language. Needless to say, it is the duty of the owner to carefully review the plans and specifications to see that he is securing at every step just what he desires. He should thoroughly investigate the materials and equipment that go into the various parts of the building. By actually being familiar with these products he knows how the completed work will look and thus avoids subsequent changes and extras.

"The architect is, no doubt, in all sincerity providing what he thinks is best, but cannot of necessity know the individual tastes or requirements of the particular owner. The con-

scientious architect welcomes a knowledge of building products on the part of his client in order that he may be sure that he is providing just what is wanted.

"The interest displayed by owners in the materials that go to make up their buildings is daily growing and becoming more evident. Many large companies and manufacturers maintain special organizations and conduct tests before choosing the material for their buildings. An instance of this kind is furnished in the case of the refitting of the Edison Plant at Orange, New Jersey. In this case all the various competitive materials were placed side by side and searching comparisons were made between them. In one instance a special building was constructed in order to test out the fire-resisting qualities or competitive products. Mr. Thomas A. Edison, himself, took a personal interest in these matters.

"Needless to say, a general understanding of building methods and materials on the part of the owner will insure permanent satisfaction with the completed building. It will mean the elimination of needless changes and burdensome extras. It will encourage the betterment of building products generally, due to the knowledge that the owner is sufficiently well-versed to recognize the value of quality in the various products. Architects, contractors and manufacturers all welcome the growing interest taken by owners in the different phases that make up building construction."

* * *

What a series the successful architect could write on the owner who doesn't know what he wants,—and wants something else after he gets it!

YOUNG ARCHITECTS COMPETE FOR PRIZES.

There will be approximately 310 entries of designs in the competition for young architects, which is to be held under the auspices of the Friends of Young Artists. Thomas Hastings, of Carrerre & Hastings, is acting in the capacity of advisor. He selected as the subject a mausoleum, in order to give the younger architects a subject that will not take up too much time, as a great many of them are employed in offices and are working nights on the competition.

Thirteen cash prizes from \$200 down to \$25 are to be given, and the designs will be placed on public view in the studio of Mrs. Harry Payne Whitney, No. 8 West Eighth street, New York City. Sketches have already been received from every State in the Union. Mr. Hastings will shortly announce the jury for awarding the prizes. It will be composed of about twenty members of the Society of Beaux-Arts Architects.

WHAT WAS IT, THEN?

"I don't see why you call your place a bungalow," said Smith to his neighbor.

"Well, if it isn't a bungalow, what is it?" said the neighbor. "The job was a bungle and I still owe for it."

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



NEW JERSEY CONTRACTS AWARDED.

(Continued from page 627.)

tract awarded to Mockett Const. Co., Sixth and Market streets, Camden, N. J.

Residence, Moorestown, N. J., \$6,000. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, Thomas W. Elkinton, 121 South Third street, Philadelphia. Stone, 2½ stories, shingle roof, oak floors, electric lighting. Contract awarded to George W. Shaner, Palmyra, N. J.

Store Buildings, Atlantic City, N. J., \$18,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City. Owners, Mary A. Riddle Co., Atlantic City, N. J. Concrete, 79x150 feet. Contract for foundations and basement awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia. Plans in progress for superstructure.

Residence, Atlantic City, N. J., \$20,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, Robert C. Kolb, 798 Stuyvesant street, Trenton, N. J. Hollow tile and stucco, 2½ stories, 45x35 feet, tile roof, vapor heating, electric lighting, hardwood floors, tile work. Contract awarded to Wilbert Beaumont, Atlantic City, N. J.

Picture Theatre, Trenton, N. J., \$10,000. Architect, Robert A. Shuman, 932 Lambertson street, Trenton, N. J. Owners, Keller & Fisher, Trenton, N. J. Brick, 1 story, 133x23x64 feet, slag roof, steam heating, electric lighting. Contract awarded to Abram L. Mitchell, Trenton, N. J.

Residence, Trenton, N. J., \$10,000. Architect, private plans. Owner, Hyman Green, Trenton, N. J. Brick, 2 stories, 26x30 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to David Tietz & Son, Trenton, N. J.

Superintendent's House, Seaview, N. J., \$4,000. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Seaview Golf Club, care of Mr. Pickering, Seaview, N. J. Hollow tile and stucco, 1½ stories, 28x45 feet, shingle roof, hot water heating, electric lighting. Contract awarded to J. V. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J.

MARYLAND Construction News

Chemical Laboratory, Homewood, Baltimore, Md. Architects, Carrere & Hastings, 225 Fifth avenue, New York City. Owners, Johns Hopkins University, Homewood, Baltimore, Md. Brick and steel, fireproof, 4 stories, 130x147 feet. Architects taking bids, due October 7th. The following are figuring: Edward Brady & Son, 1113 Cathedral street; B. F. Bennett, 123 South Howard street; W. E. Burnham, Law Building; Morrow Brothers, Fidelity Building; C. L. Stockhausen Co., Marine Bank Building; Henry Smith & Sons Co., German and Light streets; George Bunnecke & Sons, 305 Paul street; J. Henry Miller, Eutaw and Franklin streets; John Waters, 23 East Centre street; John Hiltz & Son, 3 Clay street; W. E. Harn Co., 215 North Calvert street; Consolidated Engineering Co., Calvert Building, all of Baltimore, Md.; Norcross Bros. Co. and George A. Fuller Co., Washington, D. C.; Jacob & Youngs, 116 West Thirty-second street, New York City.

Jail, La Plata, Md. Architect, Theodore Wells Pietsch, American Building, Baltimore, Md. Owners, City of La Plata, La Plata, Md. Brick and concrete, 2 stories, 20x40 feet,

steam heating, electric lighting. Owners taking revised bids, due October 2nd.

Parsonage, Edmondson and Walbrook avenues, Baltimore. Architect, A. C. Leach, 325 North Charles street, Baltimore. Owners, Emmanuel Evangelical Lutheran Church, Rev. Paul F. Bente, 1601 North Appleton street. Brick and stone, 2½ stories, 28x38 feet. Architect taking bids, due October 8th. The following are figuring: W. R. Amrein, 919 North Fulton avenue; C. Hegerfeld & Sons, 2429 Madison avenue; Charles Herbold & Sons, 2768 West North avenue; George Klein, 2909 Belmont avenue; Piel Construction Co., 2519 Edmondson avenue, all of Baltimore.

Residences (36), Cliffview avenue, Baltimore, Md. Architects, Callis & Callis, Knickerbocker Building, Baltimore. Owners, Frank Novak Building Co., 744 North Kenwood avenue, Baltimore. Brick, 2 stories, 3 x18 feet each. Plans in progress.

Central Heating Plant, Asburton, Baltimore, Md. Engineer, Henry Adams, Calvert Building, Baltimore. Owner, John J. Carlin, Asburton, Baltimore, Md. Plans in progress.

MARYLAND Contracts Awarded

Fertilizer Factory (add.), Baltimore, Md., \$30,000. Engineer, Peter S. Gilchrist, Charlotte, N. C. Owners, Baugh Chemical Co., Eleventh and Clinton streets, Baltimore. Brick, steel and concrete, 75x275 feet, consists of new tower house. Contract awarded to Charles L. Stockhausen Co., Marine Bank Building, Baltimore, Md.

Hospital (add.), Monument street, Baltimore, \$35,000. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Hebrew Hospital, on premises. Brick, stone and steel, 3 stories, 99x40 feet, slag roof, vacuum heating, electric lighting. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore, Md.

Residence, Carlisle, near Garrison avenues, Baltimore, \$6,000. Architect, private plans. Owner, Mrs. Josephine Langrall, 20 North Patterson Park avenue, Baltimore. Frame, 3 stories, slate roof, electric lighting (heating reserved). Contract awarded to Raymond E. Chambers, Thirty-sixth and Roland Park avenue, Baltimore, Md.

Garage, Baltimore, Md. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Own-

ers, Eastwood Garage Co., Baltimore, Md. Brick, 1 story, 100x115 feet, slag roof, steam heating, electric lighting. Contract awarded to George S. Klein, 2909 Belmont avenue, Baltimore, Md.

Apartment House, Eutaw Place, Baltimore, \$250,000. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owner, Captain Isaac E. Emerson, Emerson Tower, Baltimore. Brick, stone and steel, fireproof, steam heating, electric lighting, elevators, tile and marble work. Plans in progress. Contract awarded to William H. Parker, Emerson Hotel, Baltimore, Md.

Cold Storage Building and Market, 323 West Pratt street, Baltimore, \$10,000. Architect, Otto Kubitz, Equitable Building, Baltimore. Owner, Greenwald Packing Co., Brunswick, near Wilkins avenue, Baltimore, Md. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore, Md.

Stable, Lawrence and Clemut streets, Baltimore. Architect, private plans. Owners, Torsch Packing Co., on premises. Brick, 2 stories, 25x40 feet, slag roof, cement floors. Contract awarded to C. L. Stockhausen Co., Marine Bank Building, Philadelphia.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Frank G. Flynn (O), 4940 York road. Brick, 2 stories, 16x40 feet. Cost, \$1,000. Shop, 4940 York road.

Daniel Crawford (O), 701 North Sixty-third street. Cost, \$31,000. Twenty dwellings, brick, 2 stories, 15x39 feet, Bonsall street,

between Fifty-sixth and Fifty-seventh streets.

Mrs. Annie Sweeney (O), Seventy-ninth and Chelwynde avenue. Thos. F. Farres (C), 5524 Locust street. Cost, \$4,200. Three dwellings, brick, 2 stories, 15x40 feet, Seventy-ninth and Chelwynde avenue.

Ida May Levering (O), Commarolt and Ridge avenue. Keller Bros. (C), 480 Harmon road. Cost, \$4,800. Two dwellings, stone and brick, 2 stories, 15x44 feet, Commarolt and Ridge avenue.

City of Philadelphia (O), City Hall. Thomas Reilly (C), 1616 Thompson street. Cost, \$18,000. Prison, stone, hollow tile, 3 stories, 36x43 feet, Tenth and Reed streets.

Louis Koldsky (O), 642 Pine street. Cost, \$4,000. Dwelling, 2 stories, brick, 642 Pine street.

John W. Snyder (O), Sydenham and Howden streets. Cost, \$1,900. Dwelling, brick, 2 stories, 16x32 feet, Third and Ashland streets.

Sophie Sengman (O), 7155-57 Germantown avenue. S. Barnett (C), 7155 Germantown avenue. Cost, \$6,300. Two dwellings, brick, 3 stories, 16x60 feet, 7155-57 Germantown avenue.

Francis H. Hall (O), Penn Square Building. S. G. Matthews (C), 916 North Ninth street. Cost, \$6,000. Manufacturing building, brick, 2 stories, 40x50 feet, Fifty-eighth and Hoffman avenue.

Ernest Henderson (O), 6308 H street. Cost, \$3,400. Two dwellings, stone and brick, 2 stories, 16x37 feet, 828-30 Passmore street.

Robt. B. MacFarland (O), 639 Snyder avenue. Cost, \$3,900. Store and dwelling, brick, 3 stories, 16x46 feet, 2015 South Seventh street.

Kenin & Shapiro (O), 6030 Market street. Cost, \$37,000. Eighteen dwellings, brick, 2 stories, 16x34 feet, Fifty-fifth and Arch streets.

Estate of P. Tannuzzi (O), 611 North Sixty-third street. D. C. Buro (C), 809 South Eighth street. Cost, \$3,600. Dwelling, brick, 2 stories, 24x61 feet, 811 Carpenter street.

Rosa Page (O), Necacoe and Gvernville streets. L. Goldberg (C), 2322 South Ninth street. Cost, \$2,800. Brick, 2 stories, 16x48 feet, Necacoe and Gvernville streets.

Wm. Barg (O), 1546 South Seventh street. Jacob Bender (C), 1810 South Fourth street. Cost, \$3,600. Dwelling, brick, 3 stories, 18x72 feet, 617 Pine street.

and Fraley streets. Cost, \$2,500. Machine shop, James and Fraley streets.

John D. Gronit & Sons, Somerset and Tulip streets. S. G. Matthews & Co., 916 North Ninth street. Cost, \$1,000. Storage, Somerset and Tulip streets.

John Weiland (O) and (C), 105 West Luray street. Cost, \$500. Flower case, 111 West Luray street.

Wm. Cramp & Sons (O), Beach and Ball streets. Hoffman Engineer and Construction Co. (C), Pennsylvania Building. Cost, \$5,000. Shop, Beach and Ball streets.

Henry S. Barneman (O) and (C), 1613 Dyre street. Cost, \$1,200. Dwelling, 4645 Penn street.

Estate of Lafayette Horter (O), 1802 Chestnut street. Fred Labin & Co. (C), 237-41 Broad street. Cost, \$500. Dwellings, 759-77 North Thirty-eighth street.

Jas. McAulny (O), 2929 Salmar street. John Schuster (C), 3552 North Fifteenth street. Cost, \$485. Store and dwelling, 2928 Salmar street.

P. Assanter (O), 821 Christian street. A. Carson & Son (C), 283 South Fifth street. Cost, \$1,000. Dwelling, 1335 South Broad street.

David Lupton & Sons (O), Allegheny avenue and Tulip street. Cost, \$12,000. Manufacturing building, Allegheny and Tulip street.

E. G. Budd Mfg. Co. (O), Twenty-fifth and Hunting Park avenue. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$3,500. Dye storage, Twenty-fifth and Hunting Park avenue.

John and Jas. Dobson (O), Ridge avenue and Crawford street. S. G. Matthews & Co. (C), 916 North Ninth street. Cost, \$3,500. Storage, Ridge avenue and Crawford street.

Samuel P. Lown (O), 2328 North Twenty-second street. Chas. E. Hartranft (C), 2007 West York street. Cost, \$495. Apartments, 1923 Susquehanna avenue.

A. L. Schaeffer (O), 1501 West Allegheny avenue. I. S. Goldberger (C), 1501 West Allegheny avenue. Cost, \$1,100. Apartments, 1614 North Seventeenth street.

Elite Laundry Co. (O), 1836 North Nineteenth street. S. B. MacDowell & Co. (C), 1927 Montgomery avenue. Cost, \$1,800. Stable and wagon shed, 1837 North Uber street, Philadelphia.

Hancock B. and L. Assoc. (O), Real Estate Trust Building. Isaac Cohen (C), 8036 Eastwick avenue. Cost, \$1,050. Three dwellings, Lesser and Eighty-second streets.

Heinz & Co. (O), Twelfth and Sedgley avenue. J. L. Johnson & Son. Cost, \$800. Office and warehouse, Twelfth and Sedgley avenue.

Jas. Gallagher (O), Front and Pemberton streets. C. E. Oelschlaeger (O), Harrison Building. Cost, \$1,000. Stable, Front and Pemberton streets.

Fry & Barr (O), Ridge Avenue Market. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$1,500. Garage, 1623 Seybert street.

A. Viero (O), 1209 Titan street. N. Vilaco (C), 1209 Titan street. Cost, \$550. Dwelling, 725 Moore street.

John Carpinello (O), 3025 North Twenty-second street. Cost, \$1,400. Dwelling, 3025 North Twenty-second street.

Francis Reilly (O), Race and Levering streets. W. S. Snyder (C), 4502 Springfield avenue. Cost, \$1,000. Store and dwelling, 2822 North Broad street.

F. Hahn (O), Twenty-ninth and Jefferson streets. H. T. Campbell (C), 1222 North Twenty-ninth street. Cost, \$450. Store and dwelling, Twenty-ninth and Jefferson streets.

City of Philadelphia (O), City Hall. Edw. Fay & Sons (O), 2 South Mole street. Cost, \$5,000. Convenience building, Vernon Park.

Mary E. Smith (O), 5273 Ridge avenue. Walter Smith (C), 5273 Ridge avenue. Cost, \$500. Garage, 5273 Ridge avenue.

Geo. Kelly Department Store (O), Front and Norris streets. Edmund Molloy (O), 2316 E. Lehigh avenue. Cost, \$5,000. Store and dwelling, 2320-34 North Front street.

John Rooney (O), 1837 Fairmount avenue. W. H. Harrison (C), 2016 Brown street. Cost, \$500. Dwelling, 1837 Fairmount avenue.

Harry Platt (O), 1216 Spruce street. Chas. H. S. Zebly (C), 340 Quince street. Cost, \$400. Store and dwelling, 1216 Spruce street.

Philip Steinberg (O), 309 Pine street. P. Savor (C), 718 Snyder avenue. Cost, \$650. Store and dwelling, 1114 Columbia avenue.

H. Pepper (O), 909 North Second street. D. Mavshoosky (C), 810 North Marshall street. Cost, \$700. Dwelling, 843 North Marshall street.

E. Hunter (O), 1717 Vine street. H. Reuss-wick (O), 137 North Tenth street. Cost, \$1,200. Stable, 1540-42 Callowhill street.

Tribe of Red Men (O), 7210 Germantown avenue. Alex. Clair (C), 48 East Chestnut avenue. Cost, \$3,200. Dwelling and lodge rooms, 7210 Germantown avenue.

B. Marple (O), 5004 Griscom street. John Fotheringham (C), 3367 Frankford avenue. Cost, \$700. Store and dwelling, 4509 Frankford avenue.

Y. Yoister (O), 3931 North Fifth street. Cost, \$400. Shop, 3931 North Fifth street.

Ross-Tacony Crucible Co. (O), Tacony, Pa. Geo. Gray (C), 4665 Paul street. Cost, \$7,900. Warehouse, Robbins and Milner streets.

Frank L. Politer (O), 1418 Chestnut street. P. Phillips (C), 226 South Eighth street. Cost, \$500. Dwelling and store, 1029 Locust street.

V. Cesario (O), 1415 South Eighteenth street. Jos. Padolese (C), 1647 Ellsworth street. Cost, \$500. Dwelling, 1415 South Eighteenth street.

ABSOLUTELY NECESSARY.

We may live without poetry, music and art:
We may live without conscience and live with out heart;

We may live without friends, we may live without fads;

But business to-day cannot live without ads

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

Some big guns are smooth bores.—Ex.

Alterations and Additions

Manuel G. Kolb (O), Fifteenth and Snyder avenue. Howard B. Shetzline (C), 2315 South Thirtieth street. Cost, \$6,000. Store, Broad and Snyder avenue.

Leicester and Continental Mills Co. (O) and (C), Lenna and Armat streets. Cost, \$1,600. Mill, Lenna Armat streets.

Earle Gear and Machine Co. (O), Stenton and Wyoming avenue. E. E. Hollenbach (C), Fifteenth and Race streets. Cost, \$9,500. Offices, Stenton and Wyoming avenue.

Mary Leonard (O), 211 Morris street. J. B. Jordan (C), 1355 South Fifty-eighth street. Cost, \$2,000. Stable, Howard and Dickinson streets.

J. Wardle (O), 1627 Siller street. M. Moister (C), 3931 North Fifty-seventh street. Cost, \$9,000. Garage, Oxford and Paul streets.

City of Philadelphia (O), City Hall. Thomas Reilly (C), 1616 Thompson street. Cost, \$7,000. Prison, Passyunk and Reed streets.

Board of National Baptist Church (O), 642 South Eighteenth street. Wm. J. Robinson (C), 1508 Lombard street. Cost, \$1,225. Printing shop, 701 South Nineteenth street.

Chas. W. Young & Co. (O), 1243 North Twenty-sixth street. P. Halback Const. Co. (C), Twenty-sixth and Thompson streets. Cost, \$1,200. Factory, 1250 North, Stillman street.

R. A. Guavnierv, Sixty-third and Columbia avenue. P. Halback Const. Co. (C), Twenty-sixth and Thompson streets. Cost, \$1,200. Garage, Sixty-third and Columbia avenue.

Jennie Stern (O), Twenty-second and Catherine streets. O. Fogarty (C), 1918 Cherry street. Cost, \$500. Store, Twenty-second and Catherine streets.

Frank Krause (O), 3511 North Thirtieth street. Frederick G. Stork (C), 3519 North Thirtieth street. Cost, \$5,000. Garage and storage, 3511 North Thirtieth street.

Philip Saver (O), 718 Snyder avenue. Wilson & Eglin (C), 727 Reed street. Cost, \$400. Bake shop, 2015 South Seventh street.

John McDermott (O), Front and Ritner streets. Kramer Woodworking Co. (C), Third and Cumberland streets. Cost, \$1,200. Saloon, Front and Ritner streets.

Mrs. W. P. Massey (O), Torresdale. N. K. Freas (O), Andalusia. Cost, \$7,000. Dwelling, State road and Convent lane.

J. Garfield Edsall (O) and (C), 5406 Lane avenue. Cost, \$1350. Garage, 5408 Lancaster avenue.

Abrasive Material Co. (O) and (C), James

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 15, 1915.—Sealed proposals will be opened in this office at 3 P. M., October 27, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of the nited States post office at Monongahela, Pa. One-story-and-basement building, 5,000 square feet ground area; partly fireproof construction; brick facing with stone and terra cotta trimmings; composition roof. Drawings and specifications may be obtained from the custodian of site at Monongahela, Pa., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 25, 1915.—Sealed proposals will be opened in this office at 3 P. M., November 6, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at East Pittsburgh, Pa. Drawings and specifications may be obtained from the custodian of site at East Pittsburgh, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

WAGES IN NEW SOUTH WALES.

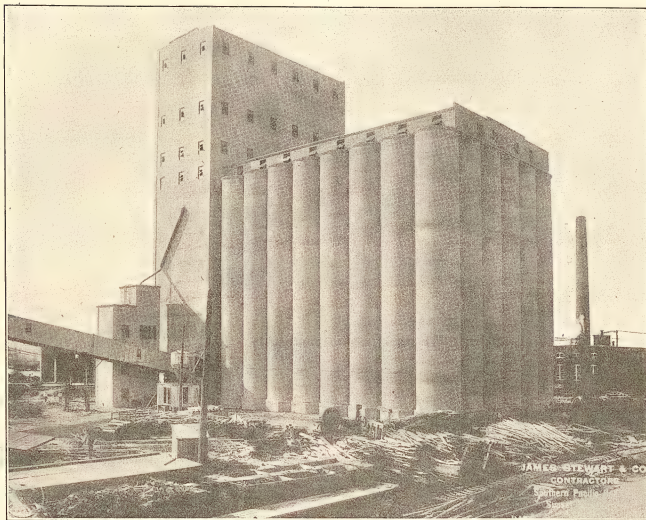
According to the Government Statistical Bulletin, bricklayers in New South Wales are paid from 39 cents to 42 cents per hour; masons and stonecutters, 40 cents per hour; laborers, 24 cents to 36 cents per hour, and slaters and tilers, 36 cents to 39 cents per hour. It is stated that the general cost of living in New South Wales in relation to wages is so low that it is the exception rather than the rule for a workman not to own the house in which he lives.

FIRE LOSSES IN UNITED STATES.

The fire losses in the United States and Canada for the first half of 1915 as compiled by the "Journal of Commerce" reached a total of \$93,391,000, against \$133,018,250 in the first six months of last year. July, according to the same authority, showed fire losses of \$9,006,800 as compared with \$17,539,800 in July, 1914.

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

CONCRETE FOR PERMANENCE



[Courtesy of the Alpha Portland Cement Co.]

Photograph of the Southern Pacific Railroad Co.'s concrete grain elevator, Galveston, Texas, showing its condition after the recent hurricane and flood. That the only damage to this building was a few broken windows is justification for the increasing popularity of cement for permanence in all classes of construction work.

PROVIDING SKILLED LABOR IN BRICKLAYING.

What must be regarded as an important step in vocational training has just been taken by the Master Builders of Minneapolis, Minn., for the purpose of providing skilled labor in bricklaying. At a late meeting of representatives of the Dunwoody Institute, the Master Builders' Association and the Builders' Exchange, arrangements were made for apprentice bricklayers employed by contractors in the city named to be paid for attending school for the purpose of becoming experts in their trade. A tentative course of study outlined provides for first teaching the students how to make bricks, concrete and cement, and then they will be taught the exact values of sand as used in connection with bricklaying, after which will come instruction in technical problems of building.

The entire course will require a part of three years, the students attending school January and February of each year. They will be required to go to school five days each week and during this time they will be given half their regular pay by their employers. In case of excused absence they will lose one day's pay, and in the event of unexcused absence they will be fined an additional day's

wages; the object being to induce regular attendance. While in school the students will not receive their pay, but their entire earnings will be given them in a lump sum together with their diplomas when they graduate.

In commenting upon this step, Eugene Young, Secretary of the Builders' Exchange, says: "This is one of the best moves ever made along the line of vocational education. With the introduction of this course of study we can expect to see workmen turned out who are expert in their trade. It will be profitable both to contractors and employees."

If a man can make a better quality of brick than his competitors can, it is up to him to let the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

A hen is the only kind of a critter that can produce something by sitting down and doing nothing.—Exchange.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., and Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorp, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Star Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

"Compo,"

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility," Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,
131 S. 24th st., Phila.

Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

FOR RESULTS

Advertise in **THE BUILDERS' GUIDE**

Reaches Architects, Builders and Owners

A $\frac{3}{4}$ " inside facing of Impervite mortar will waterproof any leaky cellar or pit.

Satisfaction guaranteed or money refunded.

Send for Book 58



receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.

THE STANDARD PAINT CO.

Woolworth Bldg.,
Peoples Gas Bldg.,
Beacon Building,

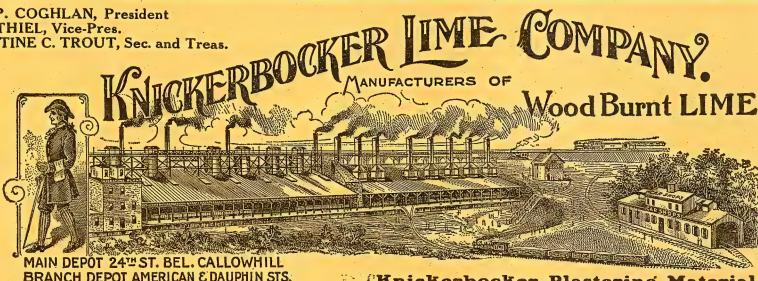
NEW YORK
CHICAGO
BOSTON

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS.
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention **THE BUILDERS' GUIDE**.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 40.

PHILADELPHIA, WEDNESDAY, OCTOBER 6, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

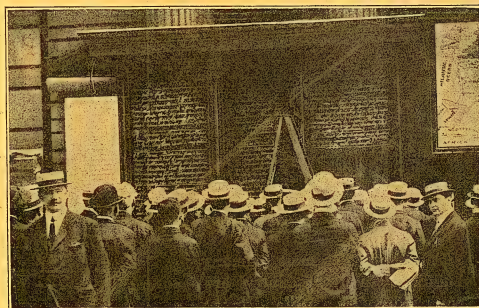
PHILADELPHIA MINERAL FLOORING Co.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

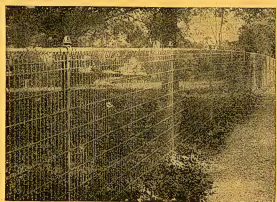
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work. The Original and Real Article. The only board, a repeater. Sample will convince you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking
Anchor Post Iron Works
W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.

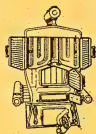


Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.

== MILLS ==

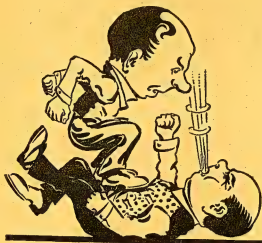


"Reputation"

Some of the most famous buildings in the country are equipped with Mills Water Tube Boilers.

They are always found where "GOOD QUALITIES" count.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified, advance building news concerning work in Philadelphia, Eastern Pennsylvania, Southern New Jersey and Delaware.

Let our representatives show you the merits and utility of this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KOEB, President HENRY H. COLLINS, Vice-President
WM. H. KOEB, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



"F-S" Products are impregnable in the war of sales competition.

When you specify "Ef-Es-Co" you protect your reputation with a defense that won't fail you. It gives metal or wood a dead-flat white finish that is smooth, washable and durable. It works like paint—looks like enamel. Besides pure white, it comes in various tints.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(118)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

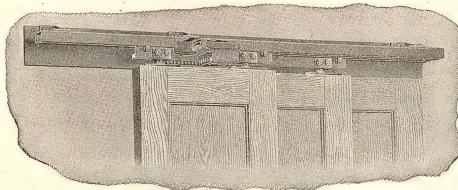
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action

"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.
1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

ALTERATIONS

JOBGING

Bell, Spruce 4419

Keystone, Race 3210

The Standard Documents of the American Institute of Architects

The New Contract Documents of the American Institute of Architects are now on sale and replace the old Uniform Contract, which is to be discontinued

PRICES FOR SINGLE COPIES

Agreement and General Conditions in cover	\$.10
Bond of Suretyship	.02
Form of Subcontract	.02
Letter of Acceptance of Subcontractor's Proposal	.01
Complete set in cover	.15

Trial set delivered upon receipt of nine 2-cent stamps.

These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

F. WEBER & CO. Architects, Artists' & 1125 Chestnut St., Phila.
Engineers' Supplies Baltimore, Md. St. Louis, Mo.

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 40.

PHILADELPHIA, WEDNESDAY, OCTOBER 6, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

School Building (add.), Bustleton, Phila. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, granite trimmings, 2 stories, 43x92 feet, slate roof, iron stairs, fire escapes, reinforcing bars, metal lath, metal weather strips, (heating, plumbing and electric work separate bids). Owners taking bids, due October 8th, at 1.30 P. M. The following are figuring in addition to those previously reported: W. W. Anstine & Co., 1218 Filbert street; H. E. Baton, Twelfth and Sansom streets; Henry L. Brown, 1714 Sansom street; James Connor, 1317 Arch street; Wm. R. Dougherty, 1610 Sansom st.; P. J. Hurley, 1233 Cherry street; John Jordan, Thirty-first and Oxford streets; Melody & Keating, Bailey Building; Mitchell Bros., 3125 Race street; Thomas Reilly, 1616 Sansom street; Standard Const. Co., Drexel Building; F. W. Van Loon, Denckla Building, Philadelphia.

Police Station (alts.), Ruane and Paul sts., Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Slate and asphalt roof, composition flooring, safety treads, metal lath, (heating, plumbing and electric work separate bids). Owners taking bids, due October 7th at noon.

Police Station (alts.), Tenth and Buttonwood streets, Philadelphia. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of remodeling steam heating plant. Owners taking bids, due October 7th at noon.

Fire House (alts.), Fourth street above Girard avenue. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of new floors and interior alterations, (plumbing separate bid). Owners taking bids, due October 7th at noon.

Fire House (alts.), Frankford avenue and Ruane street. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of new bay window and interior alterations, painting, plastering, (plumbing

and electric work separate bids). Owners taking bids, due October 7th at noon.

Fire House (alts.), Front and Westmoreland streets. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Safety, Philadelphia. Plastering, painting, slate roof, concrete floors, waterproofing, (plumbing separate bids). Owners taking bids, due October 7th at noon.

Bridge, Sherwood road, Overbrook, Philadelphia. Engineer, Geo. S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works. Concrete arch with rubble wing walls, 20-foot span 90 feet long. Lowest bid submitted by F. J. Boas, 201 N. Broad street, \$18,847.

Bridge, Fifty-fourth street and P. B. & W. railroad, Philadelphia. Engineer, Geo. S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, Philadelphia. Steel, encased in concrete, 70 feet wide and 150 feet long. Lowest bid submitted by Peoples Bros., Inc., Commercial Trust Building, \$34,500.

Bridge, Torresdale, Pa. Engineer, Geo. S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works. Steel encased in concrete, 70 feet wide and 80 feet long. Contract awarded to Day & Zimmerman, 611 Chestnut street, \$30,361.

Coal Tunnel and Storage, Ridge avenue and School lane. Engineer, J. S. Ely, Department of Public Works, City Hall, Philadelphia. Owners, Department of Public Works, City of Philadelphia. Reinforced concrete, steel trestles, 145 feet long. Lowest bid submitted by Day & Zimmerman, 611 Chestnut street, \$27,060.

Y. M. C. A. (alts.), Thirteenth and Shunk streets, Philadelphia. Architect, H. D. Prettyman, 2603 South Broad street, Philadelphia. Owners, Naval Y. M. C. A., on premises. Consists of interior alterations for bedrooms, plumbing, plastering, painting, electric lighting. Architect taking sub-bids.

Garage, northwest corner Sixty-fifth and Haverford avenue, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first st., Philadelphia. Owner, Geo. Muller, Sixty-fourth and

Haverford avenue, Philadelphia. Brick, 2 stories and basement, 20x40 feet, slag roof, electric lighting, hot water heating, electric lighting, patent floors, oil storage system. Owner has received bids.

Church (alt. and add.), Fifty-fifth street north of Market street. Architect H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Bethany Baptist Church, on premises. Stone, 1 story and basement, 32x35 feet, addition, slate roof, (new heating and electric lighting system. Architect taking bids.

Office Building (alt. and add.), 3519 North Broad street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, George Buckley, 317 South Fifty-sixth street, Philadelphia. Consists of general interior alteration to present building, rear addition, brick, 3 stories, 16x30 feet, slag roof, electric lighting, new floors. Owner taking bids. J. D. Fisher, 5718 Market street, Philadelphia, is figuring.

Residence (alt. and add.), 519 Spruce st., Philadelphia. Architect, J. E. Fieldstein, 210 Hale Building, Philadelphia. Owner, J. A. Berger, 326 South Fifth street, Philadelphia. Brick, 3 stories, hot water heating, electric lighting, hardwood floors, tile work. Architect is ready for sub-bids.

Residences (25), Margaretta and Tacony streets, Philadelphia. Architect, J. E. Fieldstein, 210 Hale Building, Philadelphia. Owners, Solomon Bros., 824 Snyder avenue, Philadelphia. Brick, 2 stories, slag roof, hot air heating. Plans completed. Owners ready for sub-bids.

Store Building (alt. and add.), 1825 Market street, Philadelphia. Architects, Hemon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, Wm. B. Levis, 1518 Market st., Philadelphia. Brick, 3 stories, slag and tin roof, wire lath, electric lighting, oak floors, (heating and plumbing separate bids). Architects have received bids.

School Building, Fifty-fifth and Chestnut streets, \$225,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 120x214 feet, slag roof, steam

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.



Tiles for Floors and Fireplaces
Interior Marble Work
Mantels, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{2}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

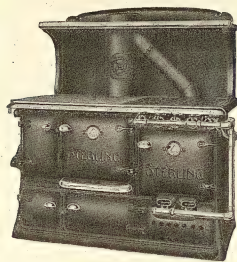
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

heating, electric lighting, concrete floors, iron stairs, tile and marble work, metal lath. Plans in progress.

Warehouse (add.), 2715 North Broad street, Philadelphia. Architects, Moores & Dunford, Chicago, Ill. Owners, North Broad Safe Deposit and Storage Co., on premises. Reinforced concrete, brick and terra cotta, 6 stories, 32x120 feet, composition roof, reinforcing bars, metal sash, dampproofing, metal lath, marble and terrazzo work, (electric work and heating reserved). Owners taking bids, due October 8th. In addition to those previously reported, H. E. Baton, Twelfth and Sansom streets; John N. Gill Co., Heed Building; Frank G. Stewart, 1619 Sansom street, and F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Field House, Twenty-seventh and Clearfield streets, Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Brick and plaster, 1 story, 22x56 feet, tin roof, wire lath, waterproofing, (plumbing separate bid). Owners taking bids, due October 8th at noon. James P. Farrell & Co., 1619 Sansom street, are figuring. Plans may be obtained at Room 113, City Hall, upon a deposit of \$10.00.

Caretaker's House, Black Oak Park, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Brick and stucco, 1 story, 11x20 feet, slate roof, waterproofing, (plumbing separate bid). Owners taking bids, due October 8th at noon. James P. Farrell & Co., 1619 Sansom street, are figuring. Plans may be obtained at Room 113, City Hall, upon a deposit of \$10.00.

Residence (14), Fourth and Ashdale avenue. Architect, E. Allen Wilson, 1208 Chestnut st. Owner, John M. Snyder, 416 W. Horner st. Brick, 2 stories, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Owner will soon take sub-bids.

Warehouse (superstructure), Morris and Water streets, Philadelphia. Architect, private plans. Owners, W. J. McCahan Sugar Refining Co., 101 South Front street, Philadelphia. Reinforced concrete and steel, 6 stories, 64x142 feet, slag roof, reinforcing bars, safety treads, iron stairs, fire doors. Owners

taking bids, due October 6th. The following are figuring: Jacob Myers & Sons Co., Witherpoon Building; Stacey Reeves & Sons, 2011 Market street; H. E. Baton, Twelfth and Sansom streets; Irwin & Leighton, 126 North Twelfth street; Pomeroy Const. Co., 1619 Ransstead street, Philadelphia.

Garage, 419 Carpenter street, Philadelphia. Architect, H. H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, Samuel Ladensn, on premises. Brick, 1 story, 63x215 feet, slag roof, steam heating, electric lighting, gasoline tank. Owner taking bids. The following are figuring: A. Shestack, 528 Reed street; Michael Lazaroff, 1418 South Sixth street; Louis Cohn, 417 Christian street.

Boiler House (alt. and add.), Water and Tasker streets, Philadelphia. Engineer, Charles A. Blatchley, Drexel Building, Philadelphia. Owners, John T. Bailey Co., on premises. Brick, steel and concrete, 1 story, slag roof, concrete floors. Plans about completed. Engineering will take bids in about one week.

Park Improvements, Eighteenth and Windrim avenue, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Consists of improvements to Stanton Park, new pipe and wire fence, concrete pavements and curb. Owners taking bids, due October 8th at noon. Plans may be obtained at Room 113, City Hall, upon a deposit of \$10.00.

Residences (22), Sixty-second and Catharine streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, City Improvement and Realty Co., 1320 South Fifty-seventh street, Philadelphia. Brick, 2 stories, 16x54 feet each, slag roof, hot water heating, oak floors, electric lighting, tile work. Plans about completed. Owners will soon take sub-bids.

Residence, Fifty-fourth and Woodbine ave., \$8,000. Architect, private plans. Owner, James H. Wells, Heed Building, Philadelphia. Brick and stone, $2\frac{1}{2}$ stories, 44x53 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Owner is sub-letting all contracts.

Residences (200), Oregon avenue, Seventh to Ninth streets. Architect, private plans. Owner, Mark Haller, 2123 South Fourth street, Philadelphia. Brick, 2 stories, 16x50 feet each, slag roofs, hot water heating. Plans

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER



On thousands of American factories—

THE photograph above shows a typical American factory.

It is an excellent example of a well-built, modern plant and is similar to thousands of others dotted all over the United States.

It is covered with a Barrett Specification Roof.

The same could probably be said of a large majority of the other plants referred to, be-

cause a Barrett Specification Roof is the standard construction for permanent buildings of all kinds.

A Barrett Specification Roof is the cheapest permanent roofing made and it costs nothing to maintain.

It will last without any attention for twenty years or more. The unit cost accordingly is less than $\frac{1}{4}$ of a cent per foot per year of service.

These roofs take the base rate of insurance and are approved by the Underwriters' Laboratories.

AMERICAN TYPE FOUNDERS CO.,
JERSEY CITY, N. J.

ARCHITECT: J. M. Rowland, Jersey City.
CONTRACTORS: M. T. Connelly Contracting
Company, Jersey City, N. J.
W. L. Crow Construction Co., N. Y.
ROOFERS: Commonwealth Roofing Co.,
Jersey City, N. J.

Hydronon

The Damp-proofing Paint

Construction expenses can be reduced by applying plaster directly on the brick or concrete without air space or lath construction. The use of Hydronon makes this practicable. This paint applied to the interior surface of the wall, seals it tight and furnishes a safe and dry base for the plaster.

Booklet free on request.

Velvex Creosote

Shingle Stains

Every desirable color in soft velvety shades. Can be used on unplanned wood of any kind. The creosote makes them highly preservative and non-inflammable. Booklet free on request.

Special Note

We advise incorporating in plans the full wording of The Barrett Specification, in order to avoid any misunderstanding. If any abbreviated form is desired, however, the following is suggested:

ROOFING—Shall be a Barrett Specification Roof laid as directed in printed Specification, revised August 15, 1911, using the materials specified and subject to the inspection requirement.

Copies of The Barrett Specification, will be sent free on request. Address our nearest office.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle Peoria
THE PATERSON MFG. CO., Limited: Montreal Toronto Winnipeg Vancouver
St. John, N. B. Halifax, N. S. Sydney, N. S.



Gas Talks For Builders

A Cabinet Gas Range is now accepted as the standard type of Gas Range for the modern home.

Cabinet Ranges are manufactured in sizes ranging in width from 36 inches to 60 inches, and may be had in various combinations of equipment and capacity.

Let us co-operate with you as to space for installation. Call up the "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.

"NOVELTY" REMINDERS

"Novelty" Combination Coal and Gas Ranges

The "Yearound," "Junior Yearound" and "Duplex" Novelty's are the Most Compact, Complete and Convenient on the Market.

A Complete Coal Range and a Complete Gas Range condensed into the space of one. Four Cooking Holes for Coal and a Four-Burner Gas Cooking Top.

Original in Design—Perfect in Construction—Economical in Operation.

Write for our "Combination" Literature.

MANUFACTURED BY

ABRAM COX STOVE CO.

General Offices: AMERICAN AND DAUPHIN STREETS, PHILADELPHIA

about completed. Owner will take sub-bids in about ten days.

Residence and Garage, City line, Overbrook, Pa., \$40,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edward M. Story, 413 Walnut street, Philadelphia. Stone, 2½ stories, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Church, Fifty-fifth and Wyalusing avenue, Philadelphia. Architect, Geo. S. Idell, 34 S. Sixteenth street, Philadelphia. Owners, Advent Church of the New Jerusalem, care Swedenborgian Society of Philadelphia, Twenty-second and Chestnut streets, Philadelphia. Stone, 1 story, 35x56 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Hortter street west of Wissahickon avenue. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Clarence M. Brown, Land Title Building, Philadelphia. Stone, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

City Club, 313 South Broad street, Philadelphia, \$150,000. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, City Club of Philadelphia, Real Estate Trust Building, Philadelphia. Brick and stone, 4 stories, slag roof, steam heating, tile and marble work, electric lighting, elevator, fireproofing, metal lath. Architects taking revised bids, due October 11th. The following are figuring: George A. Fuller Co., Widener Building; Metzger & Fisher, Denckla Building; A. R. Raff, 1635 Thompson street; H. E. Grau Co., 1707 Sansom street; A. Bottoms & Sons Co., 41 South Fifteenth street; H. E. Baton, Twelfth and Sansom streets; Irwin & Leighton, 126 North Twelfth street; Harrison C. Rea Co., 1027 Wood street; Cramp & Co., Denckla Building; George & Borst, 277 South Eleventh street, Philadelphia.

Fire House (alts.), Fourth street, above Girard avenue, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of new floors and interior alterations (plumbing separate bids). Owners taking bids, due October 7th at noon. The following are figuring: William Munday, 228 South Alder street; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; J. H. Jordan, Thirty-first and Oxford streets; James Connor, 1317 Arch street; W. W. Anstine & Co., 1218 Filbert street; Edward Fay & Son, 2 South Mole street; Eugene Tourison, 1001 Chestnut street.

Fire House (alts.), Frankford avenue and Ruane street, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of new bay window and interior alterations, painting, plastering (plumbing and electric work separate bids). Owners taking bids, due October 7th at noon. The following are figuring: William Munday, 228 South Alder street; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; J. H. Jordan, Thirty-first and Oxford streets; James Connor, 1317 Arch street; W. W. Anstine & Co., 1218 Filbert street; Edward Fay & Son, 2 South Mole street, and Eugene Tourison, 1001 Chestnut street, Philadelphia.

Lead Dust Mill, Nineteenth and Allegheny avenue, Philadelphia. Architect, private plans. Owners, Electric Storage Battery Co., on premises. Brick and steel or corrugated iron, 2 stories, 16x17 feet, corrugated iron roof. Owners taking bids. Pomeroy Construction Co., 1609 Ranstead street, is figuring.

Warehouse, Front and Pemberton streets, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, James Gallagher, Inc., 310 South Swanson street, Philadelphia. Reinforced concrete, 3 stories, 95x137 feet, slag roof, elevator, reinforcing bars. Architect taking bids, due October 8th. The following are figuring: Snare & Triest Co., 40 South Wharves; Cramp & Co., Denckla Building; Turner-Concrete Steel Co., 1713 Sansom street; I. T. Shoemaker, 1300 Walnut street; H. C. Rea Co., 1027 Wood street; Drehmann Paving Co., 2622 Parrish street; John N. Gill & Co., Heed Building, Philadelphia.

Garage, St. Martins, Philadelphia. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Thos. G. Stockhausen, North American Building, Philadelphia. Brick, 2 stories, 25x30 feet, shingle roof, hot water heating, electric lighting, cement floors. Architects have received approximate bids and will soon start final plans.

Police Station (alts.), Tenth and Buttonwood streets. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of remodeling steam heating plant. Owners taking bids, due October 7th at noon. The following are figuring: William Munday, 228 South Alder street; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; J. H. Jordan,

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1422 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

Thirty-first and Oxford streets; James Connor, 1317 Arch street; W. W. Anstine Co., 1218 Filbert street; Edw. Fay & Son, 2 South Mole street; Eugene Tourison, 1001 Chestnut street.

Fire House (alts.), Front and Westmoreland streets. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Philadelphia. Plastering, painting, slate roof, concrete floors, waterproofing (plumbing separate bids). Owners taking bids, due October 7th at noon. The following are figuring: William Munday, 228 South Alder street; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; J. H. Jordan, Thirty-first and Oxford streets; James Connor, 1317 Arch street; W. W. Anstine & Co., 1218 Filbert street; Edward Fay & Son, 2 South Mole street; Eugene Tourison, 1001 Chestnut street.

Police Station (alts.), Ruane and Paul streets, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Slate and asphalt roof, composition flooring, safety treads, metal lath (heat-

ing, plumbing and electric work separate bids). Owners taking bids, due October 7th at noon. William Munday, 228 South Alder street; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; J. H. Jordan, Thirty-first and Oxford streets; James Connor, 1317 Arch street; W. W. Anstine & Co., 1218 Filbert street; Edward Fay & Son, 2 South Mole street; Eugene Tourison, 1001 Chestnut street, are figuring.

Bath House (add.), 720 Wood street, Philadelphia. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, Public Baths Association of Philadelphia, 720 Wood street, Philadelphia. Brick, stone trimmings, 1 story, composition roof, electric lighting. Plans in progress. Architects will take bids in about two weeks.

Parish House, High street, Germantown, \$25,000. Architects, George Natus & Son, Twelfth and Walnut streets, Philadelphia. Owners, St. Michael's P. E. Church, Rev. Gilbert Pember, 244 High street, Germantown. Stone, 2½ stories, 40x120 feet, slate roof, steam heating, electric lighting. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory (alt. and add.), 1914 North Fourth street, Philadelphia. Architect and engineer, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Querns Bros., 1914 N. Fourth street, Philadelphia. Brick and concrete, 4 stories, slag roof, metal frames and sash, toilet rooms. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

Factory Building, Margaret and Bermuda streets, \$11,000. Architect, private plans. Owners, Barrett Mfg. Co., on premises. Consists of general alterations and addition. Contract awarded to A. L. Carhart, Hale Building, Philadelphia.

Garage, 21 W. Highland avenue. Architect, private plans. Owner, Alexander Allan, 19 Highland avenue. Consists of general alterations. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

Store Building (alts.), 2700 Germantown avenue, \$1,000. Architect, L. E. Denslow, 44 W. Eighteenth street, New York City. Owners, United Cigar Stores Co., 44 W. Eighteenth street, New York City. Consists of new bulk windows and interior alterations, marble and tile work, metal ceilings, (electric work reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Garage and Machine Shop, 2311 and 13 N. Philp street, Philadelphia. Architect, Chas. W. Gilmore, Godfrey avenue and G street, Philadelphia. Owners, Hope Machine Co., 2310 North Second street, Philadelphia. Brick, 2 stories, 34x42 feet, slag or asphalt roof, (electric work and elevator reserved). Con-

tract awarded to Stewart Bros., 2526 North Orkney street, Philadelphia.

Factory (alt. and add.), Main street and Walnut lane, Philadelphia. Architects, Penckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Robert Krook, on premises. Brick, steel and concrete, 2 stories, 32x62 feet, slag roof, steel sash, waterproofing, fire doors, reinforcing bars, (heating and electric work reserved). Contract awarded to Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

Prison (alts.), Tenth and Reed sts., \$800. Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Philadelphia County Prison, on premises. Consists of alterations to roof of kitchen building, slag roof, galvanized iron work. Contract awarded to Russell & Keffer, Commercial Trust Building.

Garage, Fifty-second and Susquehanna avenue, Wynnefield, Philadelphia, \$3500. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Albert C. Wood, Pennsylvania Building, Philadelphia. Stone, 1½ stories, 23x25 feet, slate roof, steam heating, electric lighting, (plumbing reserved). Contract awarded to J. Paul Emrey, North Wynnefield, Philadelphia.

Factory Building, Tacony and Church sts., Philadelphia. Architect, private plans. Owners, F. P. Woll & Co., Tacony and Church sts., Philadelphia. Main building, brick, 1 story, 60x100 feet; Power house, 1 story, 20x50 feet, slag roof, steel stack, cement floors, steel sash, electric lighting, steam heating. Contract



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

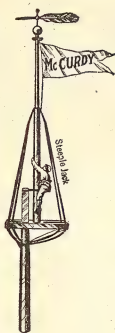
2615-17 Frankford Ave. Phila., Pa.
ESTABLISHED 1865

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 90-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

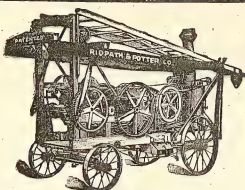
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

Saloon and Hotel, northeast corner Thirtieth and Kater streets, \$9,000. Architect, Michael Golden, 2307 East Auburn street, Philadelphia. Owner, Samuel W. Salus, Morris Building, Philadelphia. Brick, 4 stories, 45x105 feet, slag roof, steam heat, electric lighting, tile work. Contract awarded to Wm. F. Barkowitz, Morris Building, care owners.

Theatre (alt. and add.), Earp and Point Breeze avenue, \$5,700. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

Owners, Resnick Amusement Co., 1613 South Twenty-fourth street, Philadelphia. Brick, 1 story, slag roof, electric lighting, steam heating, metal lath, reinforced concrete stairs. Contract awarded to F. P. Dillon, 1223 South Twentieth street, Philadelphia.

Residence, 6448 Woodbine avenue, \$9,500. Architect, private plans. Owners, Wendell & Smith, Overbrook, Philadelphia. Brick and stone, 3 stories, 43x38 feet, shingle roof, steam heating, electric lighting, oak floors, tile work. Contract awarded to Milton W. Young, Overbrook, Phila.

Shop Building, Norris and Richmond sts., \$100,000. Architect, private plans. Owners, Wm. Cramp Shipbuilding Co., on premises. Brick, concrete and steel, 1 and 2 stories,

composition roofing, electric lighting. Contract awarded to Hoffman Engineering and Contracting Co., Pennsylvania Building, Philadelphia.

Factory, Milnor and Cottman streets. Philadelphia, \$13,000. Architect, private plans. Owners, L. Martin Co., on premises. Brick, 2 stories, slag roof. Contract awarded to Wm. Ratliff, 1521 Arrott street, Frankford.

Residence (alt. and add.), Seventeenth and Jefferson streets, Philadelphia. Architect, private plans. Owner, Dr. William T. Wyckoff, 1447 North Seventeenth street, Philadelphia. Brick, 3 stories, slag roof, composition floors, steam heating, electric lighting, tile work. Contract awarded to Supplee Const. Co., Bulletin Building, Philadelphia.

PENNSYLVANIA

Construction News

Mission House, Reading, Pa., \$20,000. Architect, J. Earle Hickman, 119 S. Fifth street, Reading, Pa. Owner, Hope Rescue Mission, Reading, Pa. Brick, 4 stories, 60x90 feet, composition roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about ten days.

High School, Lebanon, Pa. \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, care John Selzer, chairman building committee, Lebanon, Pa. Brick, 2½ stories, 150x180 feet, tile roof, tile work, dampproofing, concrete floors, slate blackboards, (heating, plumbing and electric work separate bids). Owners taking bids.

Residence, Royersford, Pa., \$5,000. Architect, J. V. Poley, Royersford, Pa. Owner, Frederick Bothwell, Royersford, Pa. Brick, 2 stories, 33x36 feet, slate roof, steam heating, gas and electric lighting, tile work, hardwood floors. Plans in progress. Owner will take sub-bids.

Bungalow, Lumberville, Pa., \$3,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Wm. Tinsman, Lumberville, Pa. Frame and shingles 2 stories, 34x26 feet, shingle roof, heating and lighting not decided. Plans in progress.

Residence, Doylestown, Pa., \$10,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Eugene Shuman, Doylestown, Pa. Hollow tile and stucco, 2½ stories, 42x35 feet, slate or tile roof, hot water heating, electric lighting, tile work, dampproofing, hardwood

floors. Plans in progress. Architect will take bids in three weeks.

Twin Residence, Doylestown, Pa., \$5,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, name withheld. Brick, 2½ stories, 32x46 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Residences (11), Spring City, Pa. Architect, J. V. Poley, Royersford, Pa. Owners, Milton Latshaw and A. F. Tyson, Spring City, Pa. Brick, 2 stories, 20x32 feet each, shingle roofs, steam heating, electric lighting. tile work. Plans in progress. Owners will take sub-bids on one house first.

Twin Residence, Spring City, Pa. Architect, J. V. Poley, Royersford, Pa. Owner, R. B. Hunter, Spring City, Pa. Stone, 2 stories; 29x40 feet tin roofs steam heating, electric lighting. Plans in progress. Owner will take sub-bids.

Twin Residences (2), Spring City, Pa. Architect, J. V. Poley, Royersford, Pa. Owner, R. E. Hunter, Spring City, Pa. Brick and frame, 2½ stories, 29x40 feet, tin roof, steam heating, electric lighting. Owner taking sub-bids.

Residence, Springfield, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Miss Grace K. Tully, Media, Pa. Frame and plaster. 2½ stories, 26x35 feet, slate roof, tile work, hot water heating, electric lighting. Owner has received bids.

Residences (4), Wynnewood, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owners, McIlvain & Co.,

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

FIVE YEARS' USE IMPROVED THIS FLOOR

Treated
with **Saums Preservative**



U. S. PENSION OFFICE, WASHINGTON, D. C.

Many large steam pipes are under this floor making it impossible for varnish or shellac to adhere to the surface. Five years ago this floor was treated with SAUMS PRESERVATIVE and to-day there is no rot or splintering. This floor is the best finished and easiest to clean in the building.

Furnished, Applied and Guaranteed for five years by

THE SAGENDORPH COMPANY, Inc.

N. E. COR. 24th and WALNUT STREETS : PHILADELPHIA, PA.

Land Title Building, Philadelphia. Stone and plaster, 2½ stories, shingle roofs, hot water heating, oak floors, electric lighting, tile work. Plans about completed. Architects will take sub-bids in about ten days.

Residence and Garage. Collegeville, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, A. J. Bernhart, Pottstown, Pa. Rough east, 2½ stories, tile roof, steam heating, electric lighting, tile work. hardwood floors. Owner taking bids. F. H. Keiser & Co., Pottstown, Pa., are figuring.

Residence (alt. and add.), Cynwyd, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Mrs. Dorothy J. Baseler, Cynwyd, Pa. Stone and frame and plaster, 2½ stories, shingle roof, (heating and electric work reserved). Architect has received bids.

Farm Buildings, Bryn Mawr, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Edwin L. Blabon, Bryn Mawr, Pa. Stone, frame and plaster, 1 and 2 stories, consists of stable, 33x68 feet; garage and chauffeur's house, 30x95 feet; gate lodge, 28x48 feet, and several farm buildings, tile and shingle roofs, cork bricks, metal lath, electric lighting, plumbing and heating separate bids. Architects taking bids, due October 6th. The following are figuring: Wm. Steele & Sons Co., 1600 Arch street; R. C. Ballinger & Co., 218 North Thirteenth street; Wm. E. Dougherty, 1610 Sansom street; Gray Bros., Rosemont, Pa.; and Plummer E. Jeffers, West Chester, Pa.

Bridge. Ridley Township, Pa. Engineer, private plans. Owners, Delaware County Commissioners, Orion L. Davis, controller,

Court House, Media, Pa. Reinforced concrete. Owners have received bids.

Sewers, Lelleville, Pa. Engineer, A. F. Damon, Jr., P. O. Building, Darby, Pa. Owners, Ridley Township, H. T. Benzie, secretary, Holmes, Del. Co., Pa. Terra cotta pipe. Owners have received bids.

Ice Cream Factory. Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building, Phila. Owner, Wm. C. Markley, Pottstown, Pa. Brick, concrete floors, 2 stories, 60x100 feet, slag roof, electric lighting, elevator. Owner taking bids. F. H. Keiser & Co., and Wm. H. Wiand, Pottstown, Pa., are figuring.

Private Hospital, Easton, Pa., \$30,000. Architects, Sauer & Hahn, 1112 Chestnut st., Philadelphia. Owner, Dr. Paul Correll, Easton, Pa. Brick, 2 stories, 34x100 feet, slate roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

Apartment House, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, George Z. Boyousky, South Bethlehem, Pa. Brick, 5 stories, 41x60 feet, slag roof, steam heating, electric lighting, tile work. Plans completed. Owners ready for bids.

Post Office and Court House (extension and remodeling), Harrisburg, Pa. Architect, Jas. A. Wetmore, Supervising Architect, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Granite, 2 stories, 130x100 feet, slate roof, steam heating, reinforced concrete, metal lath, composition floors, marble and terrazzo work, weather strips, ornamental iron work, mechanical equipment. Lowest bidder, H. L. Brown Co., Mount Vernon, N. Y., \$127,900.

PENNSYLVANIA Contracts Awarded

Residence, Wallingford, Pa., \$11,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Owner, Herbert Fulweiler, 4335 Chestnut street, Philadelphia. Brick, 2½ stories, 60x26 feet, slate or shingle roof, electric lighting. Contract awarded to James B. Plouffers, 1329 Arch street, Philadelphia.

Boiler House, Haverford, Pa. Engineer, Albert C. Wood, Pennsylvania Building, Philadelphia. Owners, Haverford School, care E. W. Wilson, Haverford, Pa. Brick, concrete and steel, 1 story, 27x45 feet, slag roof, reinforcing bars, iron stairs, metal lath. Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Gardner's Cottage, Narberth, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owner, John B. Williams, Narberth, Pa. Hollow tile and stucco, 1 story, 30x43 feet, shingle roof, (heating and electric work reserved). Contract awarded to W. D. Smedley, Narberth, Pa.

Manufacturing Plant, Freemansburg, Pa., \$60,000. Architects and engineers, Peuckert & Wunder, 810 Chestnut street, Philadelphia. Owners, Wm. Shimer Son & Co., Freemansburg, Pa. Brick, steel and concrete, fireproof, 1 and 2 stories, 242x75 feet, 100x75 feet, and 160x75 feet, slag roof, (heating, electric work and sprinkler system reserved). Contract awarded to Forest F. Speck, South Bethlehem, Pa.

Residence, Ardmore, Pa. Architects, Frank Seeburger and Charles F. Rabenold, Pennsylvania Building, Owner, Granville B. Hopkins, Ardmore, Pa. Stone, 2½ stories, 31x60 feet, wing 29x29 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work, dampproofing. Contract awarded to E. J. Hadden, Finance Building, Philadelphia.

Chemical Plant, West Conshohocken, Pa.

Engineer, R. P. Perkins, Hale Building, Philadelphia. Owners, Coopers Creek Chemical Co., West Conshohocken, Pa. Brick, 2 stories, 47x30 feet, and 47x34 feet, rubber roof, steel trusses. Contract awarded to Pomeroy Construction Co., 1609 Ransstead street, Philadelphia.

Garage, Bethlehem, Pa., \$2,500. Architect, H. J. Wiegner, Bethlehem, Pa. Owner, Harry J. Fritch, Bethlehem, Pa. Brick and stucco, 2 stories, 40x24 feet, shingle roof, steam heating, electric lighting, cement floors. Contract awarded to Charles F. Swartz, Bethlehem, Pa.

Garage, West Bethlehem, Pa., \$10,000. Architect, H. J. Wiegner, Bethlehem, Pa. Owner's name withheld. Brick, 1 story, 60x130 feet, asbestos shingle roof, steam heating, electric lighting, concrete floors, metal lath. Contract awarded to Charles F. Swartz, Bethlehem, Pa.

Dairy House, Newtown Square, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Miss Anne Vauclain, Newtown Square, Pa. Stone, 1 story, 30x40 feet, shingle roof, electric lighting. Contract awarded to James A. McCone, Devon, Pa.

Residence, King of Prussia, Pa., \$11,000. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owner, C. M. Bray, R. F. D. No. 1, Bridgeport, Pa. Stone, 2½ stories, 82x29 feet, shingle roof (hot water heating reserved). Contract awarded to Frank R. Heavner, Norristown, Pa.

The darkest hour in any man's life is when he sits down to plan how to get money with out earning it.—Horace Greeley.

New Jersey Construction News

High School, Wildwood, N. J., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, W. C. Todd, secretary, Wildwood, N. J. Brick, concrete floors, 2 stories, 118x136 feet, asbestos or slag roof, safety treads, metal lath, kalamein doors, slate blackboards, (heating, plumbing and electric work separate bids). Owners taking revised bids, due October 13th. The following are figuring: Eugene Tourison, 1001 Chestnut street; James Connor, 1317 Arch street; McCloskey & Bahls, Hale Building, all of Philadelphia.

School (alt. and add.), Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owners, Board of Education, H. H. Young, secretary, Atlantic City, Brick, terra cotta, reinforced concrete and steel, reproof, 3 stories, 90x190 feet, slag and slate tile roofing, metal sash, kalamein doors, metal lath, slate blackboards, metal lockers, dampproofing and waterproofing, composition flooring, safety treads, tile and marble work, weather strips. Owners taking new bids, due October 7th. The following are figuring: Wilbert Beaumont, Stephen Girard Building; Henry L. Brown, 1714 Sansom street; Alexander Chamblay, 243 South Tenth street; Melody & Keating, Bailey Building, and H. E. Baton, Twelfth and Sansom streets; Ketcham & McQuade, 1029 Brown street, Philadelphia.

Factory Buildings, Gloucester, N. J., \$500,000. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, The Welsbach Co., Gloucester, N. J. Consists of 4 buildings, reinforced concrete, Warehouse, 3 stories, 80x330 feet; Warehouse, 3 stories, 80x230 feet; Manufacturing building, 3 stories, 270x60 feet. (2) wings, 70x120 feet each; Manufacturing building, 3 stories, 300x80 feet, composition roof, concrete floors, steel sash, waterproofing, electric lighting, steam heating, elevators. Plans about completed. Builders Wm. Steele & Sons Co., 1600 Arch street, Philadelphia, will take sub-bids in about ten days.

Club House and Garage, Ocean City, N. J., \$60,000. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Ocean City Gold Club, Ocean City, N. J. Brick, 2½ stories, 40x60 feet, and 30x80 feet, shingle or slate roof, steam heating, electric lighting, tile work, hardwood floors, metal lockers. Plans in progress.

Town Hall, Swedesboro, N. J. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, Borough of Swedesboro, Harry A. Black, Mayor, Swedesboro, N. J. Brick, stone trimmings, 2 stories, 40x60 feet; wing, 15x20 feet, slate roof, reinforcing bars, composition flooring (heating, plumbing, electric work separate bids). Owners taking bids, due October 16th at 3 P. M. The following are figuring: Freund-Siedenbach Co., Bulletin Building; Smith-Hardican Co., 1606 Cherry street; F. L. Hoover & Sons, 1023 Cherry street; Murphy & Co., 263 South Tenth street; J. J. Richards & Co., 136 North Eighth street, all of Philadelphia, and John B. Rowen, Moorestown, N. J.

Memorial Gate and Fence, Bordentown, N. J. Architect, Oliver Randolph Parry, 1631 Chestnut street, Philadelphia. Owners, Bordentown Military Institute, Bordentown, N. J. Brick, cut stone and ornamental iron. Plans about completed. Architect will take bids in a few days.

Power House, Vineland, N. J., \$30,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Home for Feeble Minded Women, care of Dr. Madeline Hollowell, Vineland, N. J. Brick, 1 story, 56x64 feet, slag roof, concrete floors (steam heating, elec-

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
FOR WALLS
AND CEILINGS
SUPERSEDES PLASTER

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts

tric lighting and plumbing, separate bids). Owners taking bids, due October 22nd.

Dining Service Building, Vineland, N. J., \$50,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Home for Feeble Minded Women, care of Dr. Madeliene Hollowell, Vineland, N. J. Brick, 1 story, 150x192 feet, composition floors (steam heating, electric lighting and plumbing separate bids). Owners taking bids, due October 22nd at 2 P. M.

Nurses' Home, Vineland, N. J. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Home for Feeble Minded Women, care of Dr. Madeliene Hollowell, superintendent, Vineland, N. J. Brick, 3 stories, 120x50 feet, metal lath, waterproofing and dampproofing, composition floors, slag roof (steam heating, electric lighting and plumbing separate bids). Owners taking bids, due October 22nd.

House of Detention, Trenton, N. J., \$50,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State House Commission, Trenton, N. J. Brick and concrete, 2

stories, 60x186 feet and 3 stories, 34x60 feet, slag roof, metal lath, waterproofing and dampproofing, concrete and composition floors (steam heating, electric lighting and plumbing separate bids). Owners taking bids, due October 19th.

Psychopathic Building, Trenton, N. J., \$50,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State Hospital of New Jersey, Trenton, N. J. Stone and concrete, 5 stories, 46x94 feet, slag and tile roof, composition floors, steel sash, elevator (steam heating, electric lighting and plumbing separate bids). Owners taking bids, due October 20th.

Laboratory, Quarry street and Taylor alley, Trenton, N. J., \$12,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Geological Survey of New Jersey, Trenton, N. J. Brick, 3 stories, 43x50 feet, slag roof, concrete and composition oors (steam heating, electric lighting and plumbing separate bids). Owners taking bids, due October 19th.

NEW JERSEY

Contracts Awarded

Conduits, Camden, N. J. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Concrete and steel, waterproofing. Contract awarded to Geo. A. Fuller Co., Widener Building, Philadelphia.

Factory Building, Camden, N. J., \$40,000. Architect, Henry Boettcher, care Armstrong Cork Co., Lancaster, Pa. Owners, Armstrong Cork Co., Liberty and Mary streets, Lancaster, Pa. Brick and steel and concrete, 2 stories, 220x94 feet, gravel roof, fire doors, kalamain doors, reinforcing rods, (steel work, ornamental iron, heating, plumbing, electric work, painting, steel rolling doors and steel sash reserved). Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Residence and Garage, Seabright, N. J., \$50,000. Architects, Watson & Huckle, 1211 Walnut street, Philadelphia. Owner, J. R.

Williston, 5 Nassau street, New York City. Brick, stone trimmings, 2½ stories, 90x120 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Contract awarded to H. H. Moore, Spring Lake, N. J. Foundations, Atlantic City, N. J., \$18,000. Architects, Stout & Riobenack, Guarantee Trust Building, Atlantic City. Owner, Mary A. Riddle Co., Atlantic City, N. J. Concrete, 79x150 feet, waterproofing. Contract for foundations and basement awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia. Plans in progress for superstructure.

Garage, 202 North Wallow street, Trenton, N. J., \$2,900. Architect, private plans. Owner, Anthony Schenemann, Trenton, N. J. Brick, 1 story, 56x75 feet, slag roof, concrete oors, electric lighting, steam heating. Contract awarded to G. Cleveland Lanning, 34 Lee street, Trenton.

Miscellaneous Construction News

School Building, Wilmington, Del., \$30,000. Architect, E. L. Rice, Jr., Co., 815 Market street, Wilmington, Del. Owners, Board of Education, H. J. Guthrie, secretary, 612 Harrison street, Wilmington, Del. Brick and steel, 2½ stories, 90x50 feet, slag roof, steam heating, electric lighting, dampproofing, fire escapes, metal ceilings, slate blackboards. Plans about completed. Owners will soon advertise for bids.

Elks Home, Wilmington, Del. Architect, John D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, E. P. O. E., No. 307, Wilmington, Del. Brick and terra cotta, 3 stories, 74x80 feet, tile roof, steam heating, electric lighting, tile and terrazzo floors, metal lath, steel sash, dampproofing. Revised plans

about completed. Architect will soon take new bids.

Factory Building, Wilmington, Del., \$10,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, name withheld. Hollow tile and steel, 1 and 2 stories, 75x150 feet, slag roof, steam heating, electric lighting. Plans about completed. Architect will take bids in a few days.

Hotel and Theatre, Youngstown, Ohio. Architects, Knox & Elliot, Rockefeller Building, Cleveland, Ohio. Owners, The Todd House Co., Youngstown, Ohio. Brick, steel, reinforced concrete and terra cotta, 5 stories, 75x126 feet, and 97x64 feet, gravel roof, tile and marble work, reinforcing rods, waterproofing, metal sash, enameled bricks, iron stairs, metal

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

lath, (heating, plumbing and electric work reserved). Architects taking bids, due October 13th. Royhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Marine Barracks, Norfolk, Va. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Washington, D. C. Brick, steel and reinforced concrete, 3 stories, 40x174 feet; 2 wings, 40x100 feet each, and kitchen wing, 42x47 feet, asbestos shingle and slag roof, metal lath, steam heating, electric lighting, composition floors, waterproofing, safety treads, reinforcing bars, iron stairs. Lowest bidder, Norcross Bros. Co., Washington, D. C., \$199,500.

Armory, Akron, Ohio. Architects, Harpster — Bliss, Nantucket Building, Akron, Ohio. Owners, State Armory Board, care of A. L. Bargar, secretary, Akron, Ohio. Brick, stone, terra cotta and steel, fireproof, 1 story, 118x186 feet, tile and composition roof, safety treads, iron stairs, metal lath, steam heating, electric lighting, steel sash. Owners taking bids, due October 13th. James H. Wells, Heed Building, Philadelphia, is figuring.

School (add.), Ohio. Cleveland, Ohio. Architect, W. H. Nicklas, 1900 Euclid avenue, Cleveland, Ohio. Owners, Board of Education, East Cleveland, Ohio. Brick, 3 stories, 91x80 feet, Carey's roof, waterproofing, composition floors, iron stairs, metal lath, electric lighting, steam heating, slate blackboards. Owners taking bids, due October 13th. James H. Wells, Heed Building, Philadelphia, is figuring.

Maryland**Construction News**

Chemical Laboratory, Homewood, Baltimore, Md. Architects, Carrere & Hastings, 225 Fifth avenue, New York City. Owners, Johns Hopkins University, Homewood, Baltimore, Md. Brick and steel, fireproof, 4 stories, 130x147 feet. Architects taking bids, due October 17th. John H. Parker Co., Eighteenth

(Continued on page 646.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States . . . \$5.00 a year
To all points in Canada . . . \$5.00 a year
To all points in Europe . . . \$5.00 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., OCTOBER 6, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magnaglie, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brookie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

Business is on the mend.

There is no doubt of it, conditions generally are showing a marked improvement.

In the building field particularly there is evidence of a healthy reaction to the prosperity that marked other years.

"That an unusually active and prolonged building 'boom' is approaching seems to be the general impression among those who are identified with large construction work," says the "American Contractor." "Predictions of it are getting more commonly into the papers. Prominent men, here and there throughout the land, are committing themselves to predictions of its approach. Men in positions to catch the first intimations of this expansion are going on record to that effect.

"Business conditions are making immense strides toward betterment. There is scarcely an important factor in the general summary of trade and commerce that is not expressing a most cheering message. The iron and steel industry, long recognized as the most trustworthy barometer to general business conditions, has been mounting recently towards the pinnacle of extreme activity with almost amazing swiftness. It is reported that the largest producer of the industrial metals is active close upon 100 per cent. of its enormous capacity and is now turning out more metal than ever before in its history. The reports of railroad earnings, that are finding the light of publicity, tell the tale of an unfolding expansion to which they have long been strangers. It is the big trunk line systems that are making the decisive gains. Next to iron and steel, and perhaps even superior to that industry, railroad earnings strike the keynote of general business, for in all business transportation enters to a greater or less degree, and to the greater degree with those basic industries that are at the foundations of prosperity.

* * *

"It is quite patent that the big war orders so many of the large industrial concerns of the country have been receiving in recent months have contributed in large measure to this renewed and still renewing activity of trade. But close observers say that business, thus primed and started by the demand for munitions, has widened out and gone into other industries, has in fact permeated the entire line of manufactures and awakened them from the droning dullness of the past year or two. The sun has come out from behind the clouds and all are impelled to seek a share in the genial glow of its beneficent rays. It is becoming the fashion to talk in the cheerful mood, to come out from the enveloping shell of caution, not only to bask but to get busy. The business world is almost persuaded to forget its imagined troubles, to lay aside its oppressive self-consciousness, and to dash for the open with something like

the old-time spirit of confidence. For this subtle but momentous change the war orders may be primarily responsible. The aeroplane needs the support of the substantial plain in pluming itself for its flight, but soon forgets the earth and unaided soars to the higher altitudes.

"If the doubter must have an excess of evidence, he need only use his eyes to become convinced of its existence. The foundations for improvement are laid so broad and wide that they appear to be everywhere. Never in the history of the country has the influx of the precious metals, the basis for all commercial money, been so tremendous as in recent months, and there is no indication of a slackening in its receipts.

"But what about construction work? The builder, the contractor, the architect, the manufacturer of building material, may look with friendly interest upon these many evidences of increased activity in iron and steel and in other industries, but how about building? That a boom will arrive sooner or later is without question. All past history records, successive periods of excessive and deficient activity, repeated time after time. This is to be said at the present moment. There is more talk about the nearness of this great expansion in construction work than at any time since the latest visitation of comparative inactivity has appeared."

* * *

Merely to quote one of the many public utterances, the Washington "Post" says:

"Throughout the United States there is evidence of the inauguration of a vast movement in the construction of industrial plants, business buildings, apartment houses and residences of all classes. For the past four years construction work has been dull, and, as compared with the ten prior years, may be said to have reached a minimum. All this is changed now, and changed by two factors, and these two are of a permanent nature and may correctly be considered as guaranteeing a large volume of construction work for a decade to come.

"First—Business throughout every part of the country has emerged from its depressed condition, the industrial populations are once more fully employed at good wages, the agricultural populations are prosperous, and manufacturers and merchants and all the various interests benefited by general activity recognize and appreciate the change from dullness to active times.

"Second—Money is now available to the business men of the country to a measure never before even hoped for, and billions of dollars can be had within the coming twelve months for legitimate business purposes."

* * *

So, quit your croaking, Mr. Builder, Building Material and Equipment Man, and be pre-

pared to get your share of the good things in store.

* * *

Salem, Mass., is very proud of the examples to be found in that quaint and historic old city of the early Colonial style of architecture. So proud, that when, as the result of a fire, a number of these architectural treasures were destroyed Salem decided to reproduce them. Commenting on this somewhat unusual fidelity to tradition, the New York "Sun" observes:

"The rebuilders of Salem are preserving in a degree scarcely attempted by any other city that suffered as it did from fire the architectural traditions for which it became so well known. Along streets swept by the conflagration Colonial houses that are an almost complete reproduction of those that stood for a century or more on the same site are being erected from plans that perpetuate all the lines of the former buildings.

"This type of architecture reached its best form in the mansions built by the Salem merchants and ship owners who were enriched by the East Indian and China trade. The Pickman-Loring-Emerson, Sanders-Bell, Tuttle-Coan and Clark-Morgan houses are examples of dwellings that while neither 'stately' nor 'imposing' have an air of spaciousness and comfort; fit homes for men who sought solid foundations for fortunes.

"They were so true in architectural design that they gave America early in our history a standing for a distinctive and interesting style of architecture and furnished models for builders and architects ever since. They are copied to-day less in their entirety than in the adaptation of details. People choose a lintel, gambrel roof, pediment or cornice in Salem as they select a tower, chimney, staircase or facade at Chononceaux or Azay-le-Rideau. Salem doors, windows and porches thus grew on the houses of the wealthy of Chicago, Kansas City and San Francisco.

"America owes something of an architectural debt to Salem, and that some of the imitation Colonials may not be passed on as the best of the style, it is well that Salem preserves the originals along with the traditions of her great men, her shipping and her witches that were bur—, no, hanged."

* * *

"When a Philadelphia firm met the competition of all foreign bridge builders and built the Atbara bridge over an affluent of the Nile in record time, while another firm was spanning a great chasm in Burma, these achievements were viewed by those responsible as the merest routine in a standardized industry ready to meet any reasonable engineering demands," says the Philadelphia "Public Ledger." "However, the work was a distinct notice to the world that in the matter of bridges America knew a thing or two, no matter what the Old World might show at home or abroad.

"But all the past and present glories of American engineering, from the days of Eads and Roebling on, pale before the greatest of all our achievements in the bridge line, the great railroad bridge that spans the East

River at Hell Gate—this arch of some 19,000 tons of steel, the largest steel arch in the world—was completed this past week, the superb span of 1,017 feet meeting within one-fourth of an inch of the lines marked out by the engineers, a triumph of calculation as well as of construction in which every American can take a just pride. Figures, moreover, in the case of this truly regal and glorious monument of industrial enterprise give no idea of its overwhelming effect. Its arched concrete approaches, looking like Egyptian pylons, surpass even the famous Claudian aqueduct on the Roman campagna for sheer magnificence, and the great mass of steel seems like some sublime highway to a Valhalla of skyscrapers, and not, as it might be put, 'a mere railway cut-off!'

"It is true the two spans of the Firth of Forth bridge in Scotland, completed in 1889, cover a gap of 1,710 feet, but these spans are of the cantilever type and are not true arches.

They represent an older type of bridge work, as does also the first bridge over the East River, the so-called 'Brooklyn Bridge,' suggested by John A. Roebling in 1857, but not undertaken until 1869 on account of the incredulity and open hostility to the project. Its dedication on May 24, 1883, however, represented a new epoch in American life, coming on the very threshold of the beginning of the skyscrapers. The latter are, for the most part, nothing but bridges turned on end and call more loudly for the structural engineers than they do for architects. As it is, the various bridges over the East River that have succeeded the great suspension bridge, as well as the 40-story buildings, make New York to-day the wonder city of the earth.

"These are, indeed, the achievements of peace that uplift mankind and exalt, and are free from the horrors of engineering in which human genius is shackled to the car of Moloch, and is driven to invent and construct only those things that destroy."

THE BUILDING OPERATIONS IN 1914.

Official Figures for the Last Year Covering 147 Cities of the Country.

The figures of building operations for 1914 just made public by the United States Geological Survey show that, although there was an apparent general decrease in building operations throughout the country, ten cities which during the year 1913 showed decreases rallied in 1914 and showed increases.

The most noteworthy feature in the building industry in 1914 was the large decrease in New York City, by which it lost its rank as the leading city in cost of building operations, being passed by Chicago. The cost of building operations in Chicago was \$83,261,710, against \$74,030,241 in New York. New York's decrease, compared with 1913, amounted to \$33,074,466. The greatest increase shown in any city was in San Francisco—\$7,140,299—the second largest increase being in Brooklyn—\$7,109,801.

In forty-eight selected cities the total cost of building operations in 1914 was \$619,752,354, compared with \$673,220,625 in 1913.

Efforts were made by the Geological Survey to obtain detailed information from the leading 137 cities in population. Replies were received from 147 of these, 113 of them furnishing sufficient details to permit the publication of figures by classes of buildings.

Building operations in the 147 cities cost \$785,525,746 in 1914. In 113 of these cities the new buildings of all kinds cost \$461,681,108; new wooden buildings, \$165,226,250; new fire-resisting buildings, \$296,454,858, and new brick buildings cost \$181,957,682. All other new fire-resisting buildings cost \$114,497,176.

The cost of all additions, alterations, and repairs in these 113 cities was \$67,230,432, \$24,453,877 of which was for wooden buildings and \$42,776,555 for fire-resisting buildings.

McKINLEY MEMORIAL AT NILES, OHIO, OF GEORGIA MARBLE.

William McKinley's name and memory will be perpetuated at his birthplace at Niles by a splendid edifice of silver gray Georgia marble.

Work will be started at once as the contract requires that all marble shall be delivered at the site by April 1, 1916. The John H. Parker Company, which has the contract, promises to have the building completed within a year. Arrangements are being made for a cornerstone laying this fall, at which Governor Frank B. Willis has consented to be the chief speaker. The dedication will take place in the fall of 1916. Former President William Howard Taft has promised to be present and President Woodrow Wilson and former President Theodore Roosevelt will be invited.

The marble to be used is quarried by the Blue Ridge Marble Company at Nelson, Ga. Many of the most famous buildings and statues of the country are constructed of this material, among which are the Corecoran Art Gallery in Washington, the Pan-American Building in Washington and the three-million-dollar new Art Museum in Cleveland. The carved statuary in the House wing of the National Capitol is also of Georgia marble.

The Georgia marble which was chosen has undergone a government test of 10,976 pounds per square inch and is practically indestructible.

J. Massey Rhind, the sculptor, is already at work on a twelve-foot statue of McKinley, which will be placed at the main entrance of the Court of Honor. This statue will be of the same proportions as the heroic statue of Washington on Wall street, New York.

The memorial building will be 238 feet long, 136 feet deep and 38 feet high, and will contain an auditorium and library.

The amount of the exterior contract is, in round figures, \$240,000. An additional sum needed to finish the interior of the building and to lay out the ground around the building will bring the total cost up to \$300,000.

The Court of Honor in the center of the building will be supported by twenty-eight

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



monolith columns, all of Georgia marble, twenty-eight feet high, and the material used for finishing the interior will be Tennessee marble. In this Court of Honor will be places for busts and tablets to the memory of pioneers of Mahoning Valley, who were friends of McKinley, or who contributed to its prosperity by helping to promote the steel industry. There will also be statues of men who were associated with President McKinley politically.

ANCIENT BIOGRAPHICAL STONE.

A biography in stone, written by a man who lived in the third century B. C., is to be found on the island of Paros. It is an inscription embodying the remnant of a biographical account of the famous Parian poet Archilochos. The author calls himself Demeas. The sources used by Demeas are works of the poet, and a list of the Parian Archontes. The fact that the text of this biography by Demeas is engraven in stone seems to indicate that the inscription was erected upon a spot dedicated to the poet Archilochos, where visitors might find summary information concerning the life and works of the great Parian poet. Unfortunately, the stone is terribly damaged, so that only a few words remain of the passages cited from the poet's verses. The name Demeas is a Delian name. On a white marble altar in the Leeds Museum, supposed to come from Delos, we read the words, "Dionusios Demeon."

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.—Exchange.

MISCELLANEOUS CONTRACTS AWARDED (Continued from page 643.)

and F streets N. W., Washington, D. C., are figuring, in addition to those previously reported.

Warehouse, Central avenue, near Gough street, Baltimore. Architect, private plans. Owners, H. Klaff & Co., 423 East Saratoga street, Baltimore. Brick, 3 stories, 40x100 feet, slag roof, electric lighting, elevator. Owners are receiving approximate bids.

Residence, Green Spring Valley, Md. Architect, Lawrence Hall Fowler, 347 North Charles street, Baltimore, Md. Owner, F. Highlands Burns, care of Maryland Casualty Co., Casualty Building, Baltimore, Md. Stone and frame, 2½ stories. Details not decided. Preliminary plans in progress. Will be built in the spring.

Dance Hall, Garrison and Belle avenues, Baltimore. Architect, John Freund, Jr., Hoffman Building, Baltimore. Owners, Garrison Country Club, on premises. Frame, 1 story,

45x95 feet, shingle roof, steam heating, electric lighting. Owners taking revised bids. due October 12th.

Store Building (alts.), 447 North Gay street, Baltimore, Md., \$2,000. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owner, M. Kahn, on premises. Brick, 3 stories, 42x46 feet. Consists of new bulk windows and interior alterations. Architect taking bids. C. L. Stockhausen Co., Marine Bank Building, and Adam Kratz, 118 South Carrollton avenue, are figuring.

Residence, Westminster, Md. Architect and owner, Frederick Thomas, Gunther Building, Baltimore. Frame and stucco. 2½ stories, 32x48 feet, shingle roof, steam heating, electric lighting. Owner is taking bids.

Residences (16), Hilton and Mulberry sts. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, M. Fillmore Carter. Seventeenth and Edmondson avenue. Brick, 2 stories, 14x49 feet each, slag roof, steam heating, electric lighting. Owner is taking sub-bids.

MARYLAND

Contracts Awarded

School Building, Roland Park, Md. Architects, Wyatt & Nolting. Keyser Building, Baltimore, Md. Owners, Roland Park School Board, Roland Park. Brick, 1 story (24 class rooms), vacuum heating, electric lighting, slate blackboards. Contract awarded to Roland Park Co., Roland Park, Md.

Picture Theatre (add.), 930 East Baltimore

street, Baltimore. Owner, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Alladin Moving Picture Theatre, care of W. M. Bamberger, 6 Market Square, Baltimore, Md. Brick, 1 story, 40x49 feet, slag roof, steam heating, electric lighting. Contract awarded to Turner Bros., Union Trust Building, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Henry Lazar (O), 7717 Brewster avenue. Cost, \$34,200. Nineteen dwellings, brick, 2 stories, 14x34 feet, Felton and Schiller streets.

Woodland Baptist Church (O), Sixty-fifth and Gumar streets. Miller & England Co. (C), 1124 Washington avenue. Cost, \$18,000. Church and Sunday school, stone and brick, 2 stories, 72x63 feet, Sixty-fifth and Saybrook avenue.

Mrs. Wm. Megargee (O), Palmetto and Bleigh streets. M. Stevens (C), 910 Fanshawe street. Cost, \$3,600. Two dwellings, brick, 2 stories. 14x39 feet, Palmetto and Bleigh streets.

Robert Wright (O), 3030 Orianna street. W. H. Ashton (C), 5618 North Second street. Cost, \$2,800. Dwelling, brick, 2 stories, 15x42 feet, American and Clarkson streets.

Dr. Gray (O), 1685 North Fifty-fourth street. M. Roy Sheen (C), 450 North Wilton street. Cost, \$400. Dwelling, 1685 North Fifty-fourth street.

Fox Brothers (O), 4910 Broad street. Seidman & Getz (C), 1312 North Sixty-third street. Cost, \$12,000. Two stores and dwellings, brick, 3 stories, 18x80 feet, Broad and Rockland streets.

Bauerle & Erney (O), 4301 North Ninth street. Cost, \$15,000. Twelve dwellings, brick, 2 stories, 15x28 feet, 4300-22 Darien street.

W. & B. Salus (O), 4415 Baltimore avenue. Wm. F. Barkowitz (C), Morris Building. Cost, \$9,000. Hotel, brick, 4 stories, 28x43 feet, 613-15 South Thirteenth street.

Wm. K. DeVictor (O). West End Trust Building. J. G. Sharp (C), 6139 Torresdale avenue. Cost, \$4,900. Three dwellings, brick, 2 stories, 14x51 feet, 6138-42 Gillespie street.

O. S. Miller (O), 3434 North Eighteenth street. Cost, \$15,000. Six dwellings, brick, 2 stories, 15x41 feet, Musgrave and Upsal streets.

United Cigar Stores Co. (O), Eighth and Arch streets. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$1,000. Store, 2700 Germantown avenue.

W. Herbert Gibson (O), Harrison Building. Monaghan & Losse (C), 214 South Twelfth street. Cost, \$8,300. Dwelling, stone, 3 stories, 24x53 feet, 2258 North Fifty-third street.

Wm. Cramp Shipbuilding Co. (O), Philadelphia. Hoffman Eng. and Const. Co. (C), Pennsylvania Building. Cost, \$100,000. Shops, Norris and Richmond streets.

D. G. Eyon (O), 1421 North Sixteenth street. Chas. J. Williams (C), 3200 Arizona street. Cost, \$600. Dwelling, 1421 North Sixteenth street.

David Diffin (O), 2501 Lehigh ave. Cost, \$10,000. Six dwellings, 2683-93 Braddock street. Cost, \$2,500. Dwellings, 2002-24 Lehigh avenue.

Martha C. Scoot (O), Germantown and Lehigh avenues. Edw. Fay & Sons (C), 2 S. Mole street. Cost, \$12,000. Store and offices, brick, 2 stories, 24x114 feet, 5622 Germantown avenue.

Locust Realty Co. (O), southeast corner

Fifteenth and Locust streets. Cost, \$600,000. Tenement house, steel, terra cotta, 12 stories, 60x38 feet, Fifteenth and Locust streets.

C. Clock (O), Comly and Cottage streets. H. A. Liestler (O), 1808 Hamson street. Cost, \$7,500. Five dwellings, brick, 2 stories, 14x36 feet, Cottage and Pratt streets.

S. F. Wetherill (O), Morris Building. Cramp & Co. (C), Denckla Building. Cost, \$500,000. Printing building, brick and terra cotta, 10 stories, 95x121 feet, and wing 25x135 feet, Ninth and Sansom streets.

Chas. Schmidt (O), Third and Arch streets. Cramp & Co. (C), Denckla Building. Cost, \$100,000. Manufacturing building, brick and terra cotta, 7 stories, 65x178 feet, 315-19 Arch street.

John Lughran (O), 2338 North Broad street. Cost, \$5,000. Two dwellings, brick, 2 stories, 16x48 feet, Rockland and Fairhill streets.

Robert Wilson (O), 133 S. Twelfth street. Cost, \$6,800. Four dwellings, brick, 2 stories, 15x42 feet, 2050 South Salford street.

Wendell & Smith (O), Overbrook, Pa. M. W. Young (C), Overbrook. Cost, \$9,500. Dwelling, stone and brick, 3 stories, 43x38 feet, 6445 Woodbine avenue.

Francis B. Branagan (O), 517 W. Eire ave. Cost, \$48,700. Twenty-one dwellings, brick, 2 stories, 15x35 feet, Ninth and Lycoming avenue.

Benj. Alexander (O), Hale Building. D. Haywood (C), 1509 Wood street. Cost, \$6,262. Warehouse, brick, 2 stories, 32x53 feet, Twelfth and Winter streets.

James H. Wells (O), Heed Building. Cost, \$8,000. Dwelling, stone and brick, 2 stories, 44x53 feet, Fifty-fourth and Woodbine avenue.

Wm. Vial (O), 6126 Tulip street. Lewis Deitrich (C), 3016 Comly street. Cost, \$4,100. Two dwellings, stone and brick, 2 stories, 16x43 feet, Walker and Van Kirk streets.

Carl A. Mayer (O), 5504 North Fifth street. Cost, \$16,500. Nine stores and dwellings, brick, 2 stories, 16x50 feet, 218-34 Olney avenue.

Hilton street. Hary Gill, Jr. (C), 2515 Germantown avenue. Cost, \$500. Wagon shed, Kensington avenue and Hilton street.

Charles C. Schruber (O), 4307 Spruce street. LeRoy Smith (C), 4007 Chester avenue. Cost, \$700. Dwelling, 4307 Spruce street.

Margaret H. Hippe (O), 2206 Hunting Park avenue. Molino & Jarino (C), 1216 Annin street. Cost, \$900. Factory, 1228-10 Annin street.

Philadelphia Steel Forge Co. (O), Milnor and Bleigh streets. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$1,500. Factory, Milnor and Bleigh streets.

Children's Hospital (O), Eighteenth and Bainbridge streets. Royhouse-Arey Co. (C), Fidelity Building. Cost, \$2,200. Power house, Eighteenth and Bainbridge streets.

H. E. Eddleman (O), 2221 Germantown avenue. Cost, \$1,500. Store and Dwelling, 1240 North Second street.

Baptist Church Congregation (O), Terrace and Dawson streets. Harry C. Missimer (C), 497 Markle street. Cost, \$800. Church, Terrace and Dawson streets.

Dreka Co. (O), 1123 Chestnut street. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$1,500. Storage, 1123 Chestnut street.

Robert Stefers (O), Sixtieth and Vine sts. R. B. Clark (O), 1937 Brandywine street. Cost, \$1,660. Dwelling and store, Sixtieth and Vine streets.

Dr. George Woodward (O), North American Building. Pringle Borthwick (C), 8018 Germantown avenue. Cost, \$2,000. Garages (2), Willow Grove avenue and Lincoln Drive.

Scott & Co. (O), American and Diamond streets. H. W. Geshwind (C), Heed Building. Cost, \$6,340. Factory, American and Diamond streets.

Eliza Woodville (O), 1711 Walnut street. John E. Walt (C), 204 East Willow Grove avenue. Cost, \$1,200. Dwelling, 1711 Walnut street.

H. E. Cassell (O), 2531 North Carlisle street. Cost, \$500. Garage, Sixty-fifth avenue and Park avenue.

Wrigley Manufacturing Co. (O), Wayne and Windrim avenues. N. M. Bean (C), 4411 Germantown avenue. Cost, \$4,270. Manufacturing building, Wayne and Windrim avenues.

Barrett Manufacturing Co. (O), Frankford. A. L. Carhart (C), Hale Building. Cost, \$5,000. Boiler house, Margaret and Bermuda streets.

William E. Getzell (O), 732 Westview avenue. Murphy & Co. (C), 263 South Tenth street. Cost, \$1,000. Garage, 732 Westview avenue.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

Don't lose your grip. Noah was 600 years old before he knew how to build an ark.

Alterations and Additions

Pennsylvania Railroad Co. (O), Broad St. Station. Metzger & Fisher (C), Denckla Building. Cost, \$1,500. Storage, Fifteenth and Carpenter streets.

Reenick Amusement Co. (O), Point Breeze avenue and Earp street. F. P. Dillon (C), 1223 South Twentieth street. Cost, \$5,700. Moving picture theatre, Point Breeze avenue and Earp street.

Hess Bright Mfg. Co. (O), Front and Erie avenue. Cost, \$1,000. Garage.

Philip Kenin (O), 2310 Fairmount avenue. R. J. Whiteside (C), 2115 Wallace street. Cost, \$1,000. Store, 2313 Fairmount avenue.

Barrett Mfg. Co. (O), Frankford. A. L. Carhart (C), Hale Building. Cost, \$11,000. Manufacturing building, Margaret and Bermuda streets.

Edmund B. Sweeney (O), 1721 North Sixteenth street. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$3,300. Dwelling, 1721 North Sixteenth street.

Hope Machine Co. (O), 2312 North Second street. Steward Bros. (C), 2526 North Orkney street. Cost, \$2,300. Machine shop, 2311-15 North Philip street.

Frank D. Green (O), 1417 Vine street. H. Reusswick (C), 137 North Tenth street. Cost, \$1,500. Shop, 1414 Wood street.

A. C. Wood (O), Fifty-second and Susquehanna avenue. J. Paul Emrey (C), 4907 Wynnefield avenue. Cost, \$2,550. Garage, Fifty-second and Susquehanna avenue.

Rev. E. P. Prendergast (O), Eighteenth and Race streets. Melody & Keating (C), 1218 Chestnut street. Cost, \$6,819. Concrete work, 1702 Summer street.

Hardwick & Magee (O), Seventh and Lehigh avenue. Albert Doak (C), 2138 Arch street. Cost, \$1,800. Manufacturing building, Seventh and Lehigh avenue.

Alex. Ollan (O), 19 Highland avenue. Pringle Borthwick (C), 8018 Germantown avenue. Cost, \$500. Garage, 21 W. Highland avenue.

H. Malamert (O), 712 Dickinson street. Frank B. Kuzmen (C), 724 Segel street. Cost, \$1,500. Six dwellings, 622-32 Greenwich street.

Thos. Smart (O), Twentieth and Annin streets. J. P. Dillon (C), 1223 South Twentieth street. Cost, \$575. Garage, Twenty-second and Oakford streets.

Hart & Bailly (O), Fifteenth and Lindley avenue. Cost, \$2,000. Dwelling, Fifteenth and Lindley avenue.

F. P. Woll (O), Tacony and Church streets. Cunningham & Bartholomew (C), 4326 Paul

street. Cost, \$1,300. Storage, Church and Sules streets.

G. Niegao (O), 939 South Ninth street. S. Gishman (C), 941 South Ninth street. Cost, \$3,500. Dwelling and garage, 838 Carpenter street.

H. E. Shanier (O), 1935 East Cumberland street. Kensington Const. Co. (C), 1935 E. Cumberland street. Cost, \$800. Storage, 2512 Emerald street.

Robt. J. Rodgers (O), Camden, N. J. Andy Donaldson (C), 2237 Oakford street. Cost, \$300. Store building, 517 South Seventeenth street.

Merchant Union Trust (O), Thirty-sixth and Locust streets. Jas. T. Wood (C), 706 Schuyllkill avenue. Cost, \$700. Dwelling, 3615 Locust street.

Walter Baer (O), Lincoln Drive and Upsal street. Cost, \$1,000. Two garages, 714-16 Lincoln Drive.

Pennsylvania Railroad Co. (O), Broad Street Station. McNichol P. & Co. Co. (C), 1923 Cherry street. Cost, \$80,000. Retaining wall, Lehigh and Tulip and Aramingo streets.

Fred S. Drake (O), 6379 Sherwood road. William J. Hutchinson (C), 243 West Seymour street. Cost, \$1,000. Garage, 6379 Sherwood road.

Rev. E. F. Prendergast (O), Eighteenth and Race streets. John J. Rufe & Sons (C), Doylestown, Pa. Cost, \$2,000. Church, Twenty-third and Lehigh avenue.

White Bros. Inc. (O), Hedley and Carbon streets. Cost, \$1,500. Smoke catcher, Hedley and Carbon streets.

Dr. S. Ellis (O), 6203 Elmwood avenue. Thomas Cox (C), Eighty-first and Holstein avenue. Cost, \$400. Dwelling, 6203 Elmwood avenue.

City of Philadelphia (O), Russell & Keffer (C), Commercial Trust Building. Cost, \$500. Dwelling, Reed street and Passyunk avenue.

E. Taylor (O), A and Westmoreland sts. H. A. Robert (C), 2620 East Cumberland street. Cost, \$500. Store and dwelling, A and Westmoreland streets.

Frank Kelley (O), Daniel Henon (C), 115 West Seymour street. Cost, \$500. Garage, Camac and Tasker streets.

Hess Bright Manufacturing Co. (O), Front and Erie avenue. H. C. Rea Co. (C), 1027 Wood street. Cost, \$3,950. Machine shop, Front and Erie avenue.

W. Van Loon (O), Denckla Building. Cost, \$1,200. Garage, Van Dyke and Disston streets.

Charles Devlin (O), Kensington avenue and

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 17, 1915.—Sealed proposals will be opened in this office at 3 P. M., November 12, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at Salamanca, N. Y. Two-story-and-basement building, 4,800 square feet ground area; fireproof construction, brick facing, with terra cotta trimmings and stone base; composition roof. Drawings and specifications may be obtained from the custodian of site at Salamanca, N. Y., or at this office, in the discretion of the Acting Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 25, 1915.—Sealed proposals will be opened in this office at 3 P. M., November 6, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at East Pittsburgh, Pa. Drawings and specifications may be obtained from the custodian of site at East Pittsburgh, Pa., or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

**An architect writing in the Louisville "Evening Post" records that thirty years ago there were over 500 bricklayers in that city. They earned \$4.50 for ten hours' labor. There was a union which was a local body with local interests at heart. The cost of laying a brick wall was \$3.50 a thousand. As years passed the old order changed. The union used its power to shorten hours and raise wages. Formerly Louisville consumed 90,000,000 bricks a year, now it consumes less than 40,000,000 in spite of the fact that the city is much larger and has twice its former wealth. There are now about 200 bricklayers. There were once twenty brickyards; to-day there are not four.

**Newark, N. J., will celebrate its 250th anniversary in 1916. The Committee on Parades and Decorations has called for designs suggesting a manner of decoration for the streets and buildings of the city during the celebration. The competition is open to all architects, sculptors, or designers, resident in the State of New Jersey. Prizes of \$500, \$300 and \$100 will be awarded. A program of particulars has been issued by the committee and may be obtained upon application from Wilson J. Vance, secretary, Kinney Building, Newark, N. J.

**American Builders' Week at the Panama-Pacific Exposition will be held October 18-23. It is predicted that at that time many build-

ers representing all parts of this country will be in attendance. A strong general committee embracing representatives from all branches of the building trades in San Francisco, with numerous sub-committees, is engaged in making arrangements to insure the success of this great celebration. Invitations to attend are being sent to every Builders' Exchange and similar organizations in the country. The San Francisco building material firms are heartily co-operating with the builders in this movement.

**The Board of City Commissioners of Jersey City, N. J., has adopted a new ordinance governing the inspection of electric wiring in buildings, providing for the establishment of a new bureau of electrical inspections, to be under the supervision of Building Inspector John Saul. A chief inspector will be appointed by the Board. The bureau will be self-sustaining, being supported by the fees charged for electric inspection and making the city the beneficiary. Under the former plan, the Board of Fire Underwriters has been handling the inspection work, no inspections being made by the municipality.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

CONSTRUCTION OF TERRAZZO FLOORS.

Terrazzo is made by spreading upon the base concrete a mixture of neat cement and marble chips and grinding the surface to a depth sufficient to cut into stones and expose them on their largest diameters. Marble, sometimes white and sometimes colored, is used, and since no sand is employed the particles may be of fairly uniform size. The joints between the particles being of neat cement are hard, and even more durable than the pieces of the marble themselves.

Large pieces of marble, from $\frac{3}{4}$ inch to 1 inch in diameter, give a more distinctive floor, but cost more than a floor of the smaller stones, from $\frac{1}{8}$ inch to $\frac{1}{2}$ inch in diameter, because the large stones require much more grinding to get down to the large diameters of the particles, says Sanford E. Thompson. There is more tendency to crack than in a good granolithic properly bonded to the base, but if laid with the best workmanship, this cracking is reduced to a minimum. Terrazzo is largely used, especially in the newer office buildings and in institutions, for corridors and halls. It also is satisfactory for lavatories, although more expensive than granolithic.

It appears from our investigation that for both of these uses concrete with a ground surface can be substituted at less cost and with satisfactory results. In certain cases ob-

jection—which applies also to any hard material like granolithic or tile—is raised to terrazzo because of the noise, and often corridors are covered with linoleum or similar material to soften the footsteps.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

The man who takes the stand that everybody knows his line and that his goods, for this reason, "sell without advertising," is as big a dunce in his way as that other idiot who claims to have "all the business he is able to handle." The best known book that ever was written is the Bible, and it's still advertised by firms who want to sell it. The biggest business ever organized is Standard Oil, but John D. is still reaching out for more.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Construction.

Turner Concrete Steel Co., 1713 Sansom st.,

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
J. Reynolds & Son, 1615 Filbert st., Phila.

Furnaces and Mfg. Co.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori.g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.
James P. Farrell Co.,
1621 Sansom st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.
J. Reynolds & Son, 1615 Filbert st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board.

Oil Board.

The Philip Carey Co.,
13th and Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility."

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. E. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

FOR RESULTS

Advertise in THE BUILDERS' GUIDE

Reaches Architects, Builders and Owners

A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit.

Satisfaction guaranteed or money refunded.

Send for Book 58



IMPERVITE

receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.

THE STANDARD PAINT CO.

Woolworth Bldg.,
Peoples Gas Bldg.,
Beacon Building,

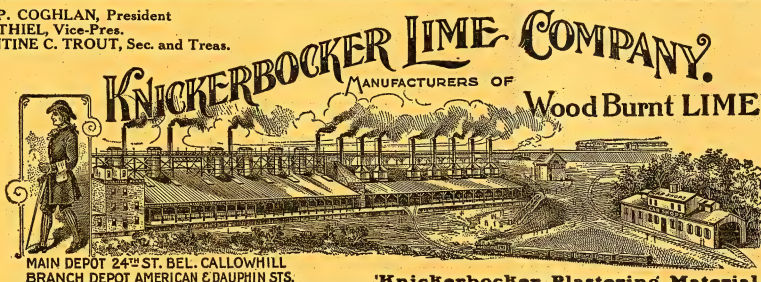
NEW YORK
CHICAGO
BOSTON

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

KNICKERBOCKER LIME COMPANY.
MANUFACTURERS OF
Wood Burnt LIME

Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

PHILADELPHIA

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS.
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY
112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.
221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities
Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks
All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 41.

PHILADELPHIA, WEDNESDAY, OCTOBER 13, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

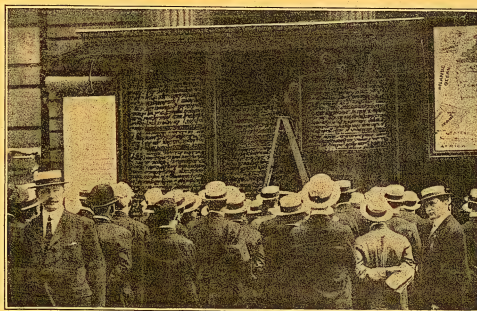
PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

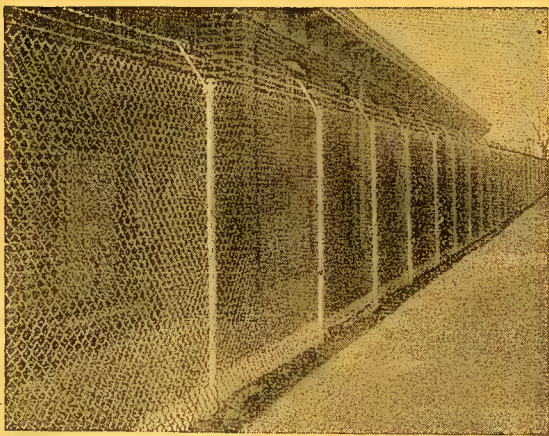
THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

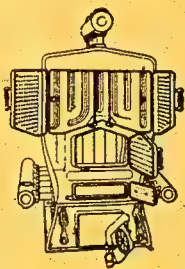
ANCHOR POST IRON WORKS
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA., PA.

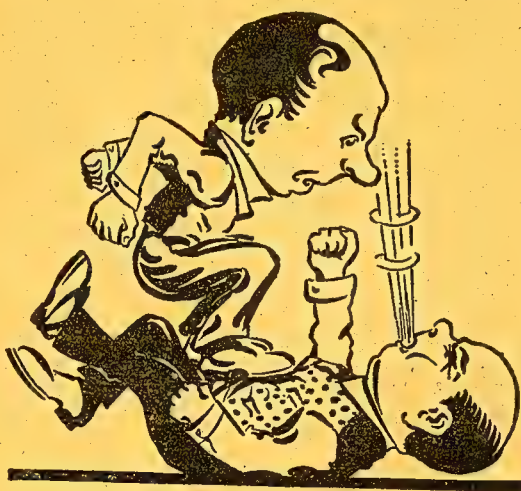
— MILLS —



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO. Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO. Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

MORTGAGES

We can place them for you

L. P. SIMPSON & SON
707 Walnut Street
Philadelphia

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGGE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



“F-S” Products are impregnable in the war of sales competition.

When you specify “Ef-Es-Co” you protect your reputation with a defense that won't fail you. It gives metal or wood a dead-flat white finish that is smooth, washable and durable. It works like paint—looks like enamel. Besides pure white, it comes in various tints.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(118)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

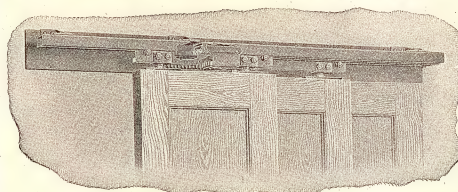
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action
“And Made in U. S. A.”

“A Hanger for any door that slides”

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

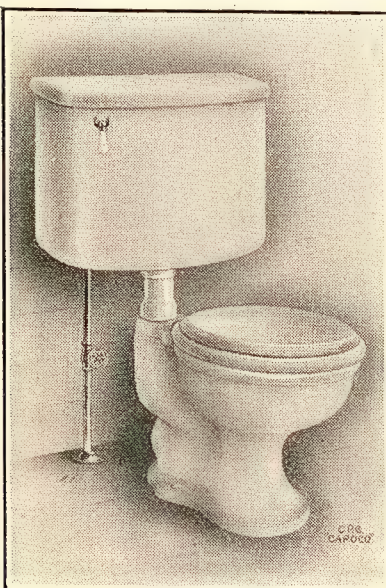
C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
 Roofing and Floor Tile
 Sewer Pipe and Flue Linings
 and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

ALTERATIONS

:

JOBGING

Bell, Spruce 4419

Keystone, Race 3210

The Standard Documents of the American Institute of Architects

The New Contract Documents of the American Institute of Architects are now on sale and replace the old Uniform Contract, which is to be discontinued

PRICES FOR SINGLE COPIES

Agreement and General Conditions in cover	\$.10
Bond of Suretyship	.02
Form of Subcontract	.02
Letter of Acceptance of Subcontractor's Proposal	.01
Complete set in cover	.15

Trial set delivered upon receipt of nine 2-cent stamps.

These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

F. WEBER & CO. Architects', Artists' & Engineers' Supplies 1125 Chestnut St., Phila. Baltimore, Md. St. Louis, Mo.

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON WORK
 CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
 1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 41.

PHILADELPHIA, WEDNESDAY, OCTOBER 13, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

College Building, near Chestnut Hill, \$300,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, Carson College for Orphan Girls, Witherspoon Building. Consists of a group of 5 buildings, including administration building, dormitories, kitchen and dining buildings, power house, etc., stone, 2 and 3 stories, slate roof, steam heating, electric lighting. Architect selected. Plans will be started at once.

Factory (alt. and add.), Butler and Sepviva streets, Philadelphia. Architect, Carl P. Berger, 1418 S. Penn Square, Philadelphia. Owners, Clement Reistein Co., on premises. Brick, 1 story, 60x225 feet, slag roof, steam heating, electric lighting. Architect taking bids, due October 14th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; E. E. Hollenback, Fifteenth and Race streets; George Kessler Cont. Co., Drexel Building; Ketchum & McQuade, 1029 Brown street; Charles C. Pace, Merion, Pa.; A. Raymond Raff, 1635 Thompson street; Stacy Reeves & Sons, 2011 Market street; Thomas M. Seeds, 1207 Race street; Henry P. Schneider, 3715 Old York road; and Stewart Bros., 2626 North Orkney street.

School (add.), Bustleton, Pa. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Land Title Building, Philadelphia. Brick, 2 stories, (6 rooms), (heating, plumbing and electric work separate bids); granite trimmings, 43x92 feet, slate roof, iron stairs, fire escapes, reinforcing bars, metal lath, metal weather strips, fire. Lowest bid submitted by Melody & Keating, Bailey Building, \$40,440.

Residence (alt. and add.), 6428 Overbrook avenue, Philadelphia. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Henry E. Passavant, on premises. Brick and frame, 2½ stories, shingle roof, rubber tile floors, steam heating (central plant), electric lighting. Architect has received bids.

Apartments (alts.), Fifty-second and Brown streets, Philadelphia. Architect, Wm. H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Mrs. Margaret M.

Heston, 301 North Fifty-second street, Philadelphia. Consists of general remodeling of residence for apartments, tile work, hardwood flooring, electric lighting, plumbing, plastering, painting. Owners taking bids, due October 15th. The following are figuring: H. P. Werner & Co., 3243 Germantown avenue; Edward Fay & Son, 2 South Mole street; F. C. Borel, 5425 Summer street; Wm. A. Patterson, 3333 Vine street, all of Philadelphia.

Residence, Somerton, Philadelphia, \$7,500. Architect, Albert P. Schneck, Real Estate Trust Building, Philadelphia. Owner, T. Scott Root, Somerton, Philadelphia. Brick and plaster or hollow tile, 2½ stories, 27x35 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Architect taking bids, due October 15th. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; J. B. Plounders, 1329 Arch street; Wm. D. Bubeck, Bustleton pike, Somerton, Philadelphia; W. John Stevens, Wyncote, Pa.; Alfred Siskle, Trevoose, Bucks Co., Pa.; Morris W. Plumley, 1537 Providence avenue, Chester, Pa.

Residence, Fox Chase, Philadelphia, \$7,500. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Adolph Wise, 8036 Elberson street, Fox Chase, Philadelphia. Frame and plaster, 2½ stories, 20x40 feet, shingle roof, hot water heating, electric lighting, tile work. Architects have received bids.

Residences (7) and Garage, St. Martins, Philadelphia. Architect, E. B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Brick and plaster, 2½ stories, shingle roofs, heating, plumbing and electric work separate bids). Architect taking bids, due October 14th. The following are figuring: J. S. Cornell & Son, Land Title Building; Frank E. Wallace, 1220 Chancellor street; Henry L. Brown, 1714 Sansom street; John E. Walt, 204 E. Willow Grove avenue; Pringle Borthwick, 8018 Germantown avenue, Philadelphia.

Store and Residence (alt. and add.), York road and Lindley avenue. Architect, private plans. Owner, Mrs. Geo. W. Wood, 910 W. Huntingdon street. Brick addition, 1 story, 16x38 feet, steam heating, electric lighting.

Owner taking bids. The following are figuring: H. H. Wehmeyer, 1004 W. Lehigh avenue; E. C. Durell, 1713 North Twenty-fourth street; John P. Carberry, 2659 Kensington avenue, Philadelphia.

Store Building (remodeling), 806 North street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Robert G. McCreedy, 1735 Porter street, Philadelphia. Brick and terra cotta, 4 stories, slag roof, steam heating, electric lighting, elevator, metal lath, tile work. Architect has received bids.

Garage, 640 Carpenter street, Germantown. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, E. J. Flood, on premises. Brick, 1 story, 18x20 feet, slate roof, cement floors, (electric work and gasoline storage system reserved). Owner taking bids. Thomas C. Trafford, 1613 Sansom street, is figuring.

Police Station (alts.), Tenth and Buttonwood streets. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of remodeling steam heating plant. Lowest bidder, F. A. Havens & Co., 845 North Nineteenth street, \$1,645.

Fire House (alts.), Front and Westmoreland streets. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Safety, Philadelphia. Plastering, (plumbing separate bid), slate roof, concrete floors, waterproofing. Lowest bidder, J. H. Jordan, Thirty-first and Oxford streets, \$1,900.

Police Station (alts.), Ruane and Paul streets, Philadelphia. Architect, Louis E. Marie, City Hall. Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Slate and asphalt roof, composition floors, safety treads, metal lath, (heating, plumbing and electric work separate bids). Lowest bid submitted by James Connor, 1317 Arch street, \$6,190.

Fire House (alts.), Frankford avenue and Ruane street, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of new bay window and interior alterations, painting, plaster-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked 13/16" x 2 1/4" and 3 1/4" face. End matched, hollow backed, and bored for secret nailing.

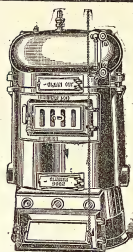
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The NEW Round

ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

ing, (plumbing and electric work separate bids). Lowest bid submitted by James Connor, 1317 Arch street, Philadelphia, \$819.

Stable and Garage, Fifty-ninth and Hobart streets, Philadelphia. Architect, private plans. Owner, name withheld. Brick, 1 story, 52x146 feet, slag roof, hot water heating, (gasoline storage system and electric work reserved). Builders, Fidelity Construction Co., Heed Building, taking sub-bids.

Garage, 640 Carpenter street, Germantown. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, E. J. Flood. 640 Carpenter street, Germantown. Brick, 1 story, 18x20 feet, slate roof, cement floors (electric lighting and gasoline storage system reserved). Owner taking bids, due October 13th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; McCloskey & Bahls, Hale Building; W. J. Grubler Co., 219 East High street; Samuel Harting, 20 East Johnson street; M. S. Oberholtzer, 5524 Poulaski avenue; Fred Elvidge & Son, 5522 Germantown avenue, all of Philadelphia.

Sunday School Building, Fox Chase, Philadelphia. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, Fox Chase Memorial Presbyterian Church, Rev. Henry W. Block, 321 Borbeck avenue, Fox Chase, Pa. Stone, 2 stories, 40x55 feet, slate and slag roof, electric lighting, steam heating. Architect taking revised bids, due October 14th. The following are figuring: Specht & Sperry, Heed Building; Joseph Ashby, Second street pike, Fox Chase, Pa., and W. John Stevens, Wyncote, Pa.

Church, Fifty-seventh and Race streets, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Mount Carmel Baptist Church, Rev. Thos. D. Atkins, D. C., 143 North Fifty-eighth street, Philadelphia. Stone, one story and basement, 50x35 feet, slate roof, electric lighting, vapor vacuum heating. Owner taking additional bid.ischer Bros., 3139 North Sixth street, Philadelphia, are figuring.

Church, Fifty-fifth and Wyalusing avenue, Philadelphia. Architect, Geo. L. Idell, 34 South Sixteenth street, Philadelphia. Owner, Advent Church of the New Jerusalem, care Swedenborgian Society of Philadelphia, Twenty-second and Chestnut streets. Stone, one story, 35x56 feet, slate roof, steam heating, electric lighting. Architect taking bids due October 16th at 12

o'clock. The following are figuring: A. Whitehead, Inc., 1624 Latimer street; Thos. C. Trafford, 1613 Sansom street; J. J. Richards Co., 136 North Eighth street; James H. Wells, Heed Building, Philadelphia.

Boiler House (alts.), Water and Tanker streets, Philadelphia. Engineer, Chas. A. Blatchley, Drexel Building, Philadelphia. Owner, John T. Bailey Co., on premises. Brick, steel and concrete, one story, slag roof, steel trusses, steel sash, concrete foundations. Engineer taking bids. H. E. Batton, Twelfth and Sansom streets, Philadelphia, is figuring.

Storage Building, Belfield avenue and Walnut lane. Architect, Private plans. Owner, American Ice Co., Michael Drexler, superintendent, Thirtieth and Columbia avenue. Reinforced concrete, one story, 32x32x75 feet, slag roof. Owner taking bids due October 22nd. The following are figuring: Monaghan & Losse, 214 South Twelfth street; Turner Concrete Steel Co., 1713 Sansom street; Fidelity Construction Co., Heed Building; Irwin & Leighton, 126 North Twelfth street; F. A. Havens & Co., 845 North Nineteenth street; Wm. R. Dougherty, 1610 Sansom street; Ketnam McQuade, 1029 Brown street; H. E. Batton, Twelfth and Sansom streets; Roydhouse-Arey Co., Fidelity Building; John N. Gill & Co., Heed Building; George & Borst, 277 South Eleventh street.

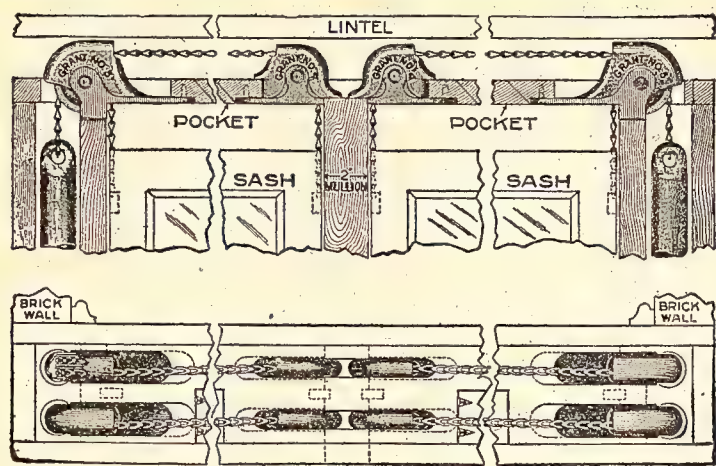
Store Building, 305-307-309 North Fifteenth street, Philadelphia. Architect, Chas. E. Oelschlagel, Harrison Building, Philadelphia. Owner, name withheld. Brick, 2 stories and basement, 50x50 feet, slag roof, electric lighting, steam heating. Architect taking bids due October 16th at noon. The following are figuring: D. Henwood, 1509 Wood street; P. J. Hurley, 1233 Cherry street; E. J. Kreitzburg, 1345 Arch street; F. A. Havens & Co., 845 North Nineteenth street; I. T. Shoemaker, 1309 Walnut street, and A. Raymond Raff, 1635 Thompson street, Philadelphia.

Church, Allegheny avenue and F street, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Trinity Reformed Episcopal Church, Rev. Henry McCrea, 3229 Rorer street, Philadelphia. Stone, one and two stories, 100x125 feet, slate roof, steam heating, electric lighting. Plans completed. Architects ready for bids.

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

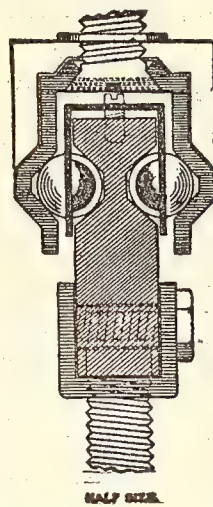
BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alt. and add.), Eleventh street and Sixty-ninth avenue. Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Mrs. Dorothy De Sanno, on premises. Stone, 2½ stories, slag roof, hot water heating, tile work, metal lath. (electric work and hardwood floors reserved). Contract awarded to John F. Davies, Heed Building, Philadelphia.

Store Building (alt. and add.), 1825 Market street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street. Philadelphia. Owner, Wm. B. Levis, 1518 Market street, Philadelphia. Brick, 3 stories, slag and tin roof, wire lath, electric lighting, oak floors. (heating and plumbing separate bids). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Warehouse (superstructure), Morris and Water streets, Philadelphia. Architect, private plans. Owners, W. J. McCahan Sugar Refining Co., 101 South Front street. Philadelphia. Reinforced concrete and steel, 6 stories, 64x124 feet, slag roof, reinforcing bars, safety treads, iron stairs, fire doors. Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Residence (alt. and add.), 1925 Walnut st., Philadelphia, \$40,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, E. T. Stotesbury, Land Title Building, Philadelphia. Stone, consists of alterations to 1 story, wing addition for a ballroom, hardwood floors, electric light, decorating. Contract awarded to Geo. F. Payne & Co., 401 South Juniper street, Philadelphia.

Garage, 732 Westview avenue, Germantown. Architect, Paul A. Davis, 3d., 1713 Sansom street, Philadelphia. Owner, Wm. E. Hetzel, 1712 Chestnut street, Philadelphia. Stone, 1½ stories, 25x23 feet, slate roof, electric lighting, hot water heating, cement floors. Contract awarded to Murphy & Co., 263 South Tenth street, Philadelphia.

Garage, Forty-first and Locust sts., Phila-

delphia, \$35,000. Architect, private plans. Owner, Charles F. Sine, Commonwealth Building, Philadelphia. Brick, 1 story, 100x175 feet, slag roof, steam heating, electric lighting, cement floors, gasoline storage system. Contract awarded to George Steinbock, 1609 W. Park avenue, Philadelphia.

Bridge, Emerald street, Philadelphia. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owner, Philadelphia & Reading Railroad Co., Twelfth and Market streets, Philadelphia. Steel, encased in concrete, 250x70 feet. Contract awarded to Bower Construction Co., Reading, Pa.

Garage, Sixty-third and City line, Overbrook, Pa., \$2,700. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Mrs. Cyrus Chambers, Jr., Sixty-third and City line, Philadelphia. Stone and half timber, 1½ stories, 29x27 feet, slate roof, steam heating. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Garage, Fifteenth and Cayuga streets. Philadelphia, \$6,000. Architect, Paul Boyd, 211 E. Willow Grove avenue, Chestnut Hill. Owner, Francis Hogarth, 4450 Germantown avenue, Philadelphia. Brick, 1 story, 49x100 feet, slag roof, electric light, steam heat. Contract awarded to Wm. H. Schultz, 3340 North Carlisle street.

Garage, Fifteenth and Fairmount avenues, Philadelphia, \$8,000. Architect, private plans. Owner, Edw. W. Harris, Twenty-second and Market streets, Philadelphia. Brick, 1 story, general alterations. Contract awarded to Ed. Cunningham, 50 North Twenty-third street, Philadelphia.

Warehouse, 504 North American st., Philadelphia. Architect, private plans. Owners, Pottash Bros., on premises. Brick, 4 stories, 100x45 feet, slag roof, electric lighting. Contract awarded to Krakever Bros., 731 Parrish street, Philadelphia.

Settlement House, Fifth and Queen sts., Philadelphia, \$125,000. Architect, Horace

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.
622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

Distributed by

The Philip Carey Co.
Roofing and Building Specialties
13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
SUPERSEDES PLASTER FOR WALLS AND CEILINGS

Distributed by

James E. Tague & Co.
LUMBER—White Pine a specialty
Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts.

Gas Talks For Builders

A Cabinet Gas Range is now accepted as the standard type of Gas Range for the modern home.

Cabinet Ranges are manufactured in sizes ranging in width from 36 inches to 60 inches, and may be had in various combinations of equipment and capacity.

Let us co-operate with you as to space for installation. Call up the "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

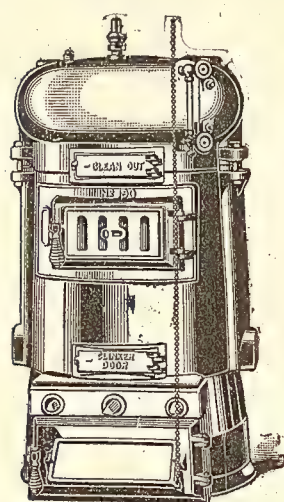
Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"NOVELTY REMINDERS" A "NOVELTY" HOT WATER, STEAM or WARM AIR HEATER

in the cellar means satisfaction and comfort throughout the house.

The original design, perfect construction, ease and economy in operation of "NOVELTY" Ranges, Boilers and Furnaces have made them the best known and most popular appliances in the East.

Satisfy the Public Demand and equip your houses with "NOVELTY" appliances.

Made in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE American and Dauphin Sts.
PHILADELPHIA

Wells Sellers, St. Girard Building, Philadelphia. Owners, Music Settlement, Mrs. E. W. Bok, Merion, Pa. Brick, 3 stories and basement, 118x57 feet, slag roof. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Garage. Twenty-sixth and Parrish streets, Philadelphia, \$11,500. Architect, private plans. Owners, Finnesey & Kobler, on premises. Brick, 2 stories, 36x190 feet, slag roof, steam heating, electric lighting. Contract awarded to Herman Voight. Twenty-eighth and Thompson streets, Philadelphia.

Packing Plant (alts.), Ninth and Noble streets, Philadelphia. Architect, private plans. Owners, Swift & Co., on premises. Consists of new concrete floors in 4th and 5th floors, reinforcing bars and waterproofing. Contract awarded to Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Office Building (add.), 1420-26 S. Penn Square. Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, The Finance Co., on premises. Brick, terra cotta, concrete and steel, consists of 2 additional stories on present 20 story building, composition roof, steam heating, electric lighting, tile and marble work, fireproofing, kitchen equipment. Contract awarded to

O'Meara Construction Co., 253 South Quince street, Philadelphia.

Residence (alts.) and Garage, 1528 North Eighth street, Philadelphia. Architect, P. J. Kluges, 1012 Walnut street, Philadelphia. Owner, D. I. Myers, on premises. Brick, 3 stories; Garage, 1 story, 14x15 feet, slag roof, hot water heating. Contract awarded to B. Bornstein, 412 South Fifth street.

Residence and Garage, St. Martins, Philadelphia, \$30,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Wm. N. Morice, southeast corner Water and Tasker streets, Philadelphia. Stone, 2½ stories, 35x160 feet, shingle roof, electric lighting, warm air heating, oak floors, tile work and marble work, metal lath, waterproofing, metal weather strips, canvas floors, gasoline pump and storage system. Contract awarded to Kohl & Megargee, 124 E. Gorgas lane, Philadelphia.

Church and Parsonage (alt. and add.), Germantown avenue and Hervis street, Philadelphia. \$14,300. Architect, private plans. Owner, Halsey Colored M. E. Church, Hunting Park and Germantown avenues. Brick and stone, one and three stories, slate and slag roof, steam heating, electric lighting. Contract awarded to J. F. Trent, 2041 Master street, Philadelphia.

PENNSYLVANIA

Construction News

Loft Building, Wilkes-Barre, Pa. Architect, Julius J. Anderson, Drexel Building, Philadelphia. Owner, M. J. Lewis, Wilkes-Barre, Pa. Brick, 3 stories, 42x110 feet, slag roof, steam heating, electric lighting. Revised plans in progress.

Residence and Garage, Wynnewood, Pa. Architect, Paul A. Davis, 3d., 1713 Sansom street, Philadelphia. Owner, Paul A. Davis, 3d., 1713 Sansom street, Philadelphia. Stone and frame, 2½ stories, 78x31 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Plans completed. Architect will soon take sub-bids.

Residence and Garage, Merion, Pa. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owner, John F. Braun, Real Estate Trust Building, Philadelphia. Brick, hollow tile, concrete and plaster, fireproof,

2½ stories, 60x117 feet. Architects taking sub-bids on brick work, fireproofing and cut stone.

Caddie House, Whitmarsh, Pa. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, Whitmarsh Country Club, Whitmarsh, Pa. Frame, 1 story, 23x24 feet, shingle roof, electric lighting (painting reserved). Supplee Construction and Contracting Co., Bulletin Building, Philadelphia, taking sub-bids.

Sub-station No. 2, Eddystone, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Beacon Light Co., Chester, Pa. Hollow tile and steel, 1 story. 36x36 feet, slag roof, reinforcing bars. Architect has received bids.

Residences (3), Springfield, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK**Main Office, Trenton, N.J.**OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.**Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores**

Building, Philadelphia. Owners, Springfield Realty Co., Commercial Trust Building, Philadelphia. Stone, brick, frame and plaster, 2½ stories, 25x33 feet each, shingle roofs, hot water heating, electric lighting, hardwood floors, tile work. Architects taking bids, due October 13th. The following are figuring: A. Whitehead, Inc., 1624 Latimer street; Thomas C. Trafford, 1613 Sansom street; Sutton & Stephenson, 1317 Washington avenue; M. Roy Sheen, 450 N. Wilton street; W. Harry Roberts, P. O. Ardmore, Pa.; Joseph H. Maguire, Wayne, Pa.

School (add.), Bristol, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Board of Education, Bristol, Pa. Brick, 2 stories, 40x40 feet. Plans in progress.

Church, Darby, Pa. Architects, Hulme-Schless Co., 1524 Chestnut street, Philadelphia. Owners, Mont Zion M. E. Church, Darby, Pa. Stone, 1 story, 48x48 feet, slate roof, steam heating, electric lighting. Plans completed. Architects will probably take bids in about two weeks.

Bank Building, Girardville, Pa. Architect, W. H. Lee, Shamokin, Pa. Owners, First National Bank, Girardville, Pa. Brick, granite, terra cotta and steel, fireproofing, 1½ stories, 80x20 feet, asbestos roof, vapor heating, electric lighting, reinforcing bars, tile work, oak floors, waterproofing, metal lath. Architect taking bids, due October 18th. James P. Farrell & Co., 1619 Sansom street, Philadelphia, are figuring.

High School, Lebanon, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, John Selzer, chairman building committee, Lebanon, Pa. Brick, stone trimmings, 2½ stories, 180x150 feet, composition and tile roof, tile work, dampproofing, slate blackboards, iron stairs, (heating, plumbing and electric work separate bids). Owners taking bids, due October 29th. The following are figuring: Henry L. Brown, 1714 Sansom st.; Cramp & Co., Denckla Building; E. E. Hollenback, Fifteenth and Race streets; F. W. Van Loon, Denckla Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia; Bear Construction Co., Reading, Pa.; W. H. Plick, Lancaster, Pa.; P. W. Finn, Altoona, Pa.; H. Fissell Co., New York City; John Lowry, Jr., 8 West Fortieth street, New York City; Haupt & Bentz, Wyoming, Pa.; Dawson Construction Co., May Building, Pittsburgh, Pa.; Butz & Clader, Allentown, Pa.; Melton Construction Co., Eleventh and H streets, N. W., Washington, D. C.; Jersey City Construction Co., 75 Montgomery street, Jersey City, N. J.; E. T. Abbott Construction Co., 1133 Broadway, New York City; and J. H. Greiner, Harry Buffanayer, Shenk Bros., A. H. Whitmer, all of Lebanon, Pa.

Garage, Rydal, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Henry H. Roeloffs, Rydal, Pa. Stone, 1½ stories, 22x20 feet, shingle roof, hot water heating, electric lighting, cement floors, 1329 Arch street, Philadelphia, and W. John Stevens, Wyncoete, Pa., are figuring.

Alumni Building, Scranton, Pa., \$100,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Sisters of the Im-

maculate Heart of Mary, Mt. St. Mary's Seminary, Scranton, Pa. Brick, 3 stories, 100x150 feet, steam heating, electric lighting. Plans about completed. Architect will soon take bids.

Factory Buildings, Wilkes-Barre, Pa., \$250,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Lehigh & Wilkes-Barre Coal Co., Wilkes-Barre, Pa. Brick and concrete, 1 and 2 stories, consists of machine shop, blacksmith shop, boiler and structural shop, car shop, wheelwright shop, carpenter shop, oil house, sheds, etc., asbestos roofs, electric lighting, steam heating, electric lighting, steel sash, oil tanks and pumps, electric cranes and electric equipment. Architects ready for general bids.

Store and Office Building, Olyphant, Pa. Architect, Lewis Hancock, Jr., Coal Exchange Building, Scranton, Pa. Owner, John Williamson, Olyphant, Pa. Stone, hollow tile and steel, 3 stories, 90x70 feet and 68x53 feet, slag roof, steam heating, electric lighting. Architect has received bids.

Factory Building, Wilkes-Barre, Pa., \$100,000. Architect, Henry A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, R. S. Williams, 124 East Market street, Wilkes-Barre, Pa. Lessees, Planters Nut and Chocolate Co., 79 East northampton street, Brick, steel and hollow tile, 5 stories, 120x52 feet, slag roof, steam heating, electric lighting, elevator, metal lath, waterproofing and dampproofing. Architects taking bids, due October 15th. The following are figuring: W. J. Smith, E. T. Long & Co., Williams & Richardson, O. J. Behrens & Sons, John A. Schmidt & Son, I. M. Leach, H. Weaver, Beruzzi & Planter, all of Wilkes-Barre, Pa., and John W. Ferguson Co., Paterson, N. J.

Masonic Temple, Wilkes-Barre, Pa., \$75,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Masonic Temple, H. N. Rust, chairman Building Committee, Masonic Temple, Wilkes-Barre. Brick, terra cotta and steel, fireproof, 5 stories, 54x120 feet, slag roof, concrete fireproofing, dampproofing and waterproofing, marble and tile work, kalamein doors, composition floors, safety treads, vacuum cleaning, electric elevator, ornamental iron work, vacuum cleaning system (direct and indirect steam heating, electric work and plumbing separate bids). Architects taking revised bids, due October 14th. The following are figuring: Shepherd Const. Co., Curtis & Co., Walborn & Barney, E. T. Long, I. M. Leach and O. J. Behrens & Sons, all of Wilkes-Barre, Pa.

Stores (5), Wilkes-Barre, Pa., \$10,000. Architect, Thomas H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre. Owners, Gildersleepe Estate, Wilkes-Barre, Pa. Brick and hollow tile, 1 story, 75x60 feet, slag roof, electric lighting. Architect taking bids, due October 16th. The following are figuring: Lawrence Coal, Shenherd Const. Co., J. Curtis & Co., Charles Watkins & Son, Kehoe & Mowery, I. M. Leach, W. J. Kear, A. D. Thomas, all of Wilkes-Barre, Pa., and L. E. Minton, Shoverton, Pa.

Apartment House, Washington street, Wilkes-Barre, Pa., \$110,000. Architect, Henry A. Maier, Coal Exchange Building, Wilkes-Barre. Owners, H. A. & F. Maier, 701 Coal



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.**BUILDING CONSTRUCTION**

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag

Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1855

Wells Drilled**TEST BORINGS**

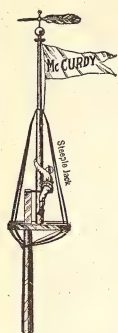
Ask for Prices

JOHN B. RULON

1355 Colwyn Street Philadelphia, Pa.

Exchange Building, Wilkes-Barre. Brick and terra cotta, 6 stories, 100x108 feet, slag roof, steam heating, electric lighting, hollow tile fireproofing, elevators, wood and concrete floors, hollow tile fireproofing, marble, granite and limestone, steel doors, metal windows, iron stairs, elevators, dumb waiters, ventilators. Architect ready for bids.

Residence and Garage, Elkins Park, Pa. Architect, private plans. Owner, David A. Ferro, Elkins Park, Pa. Frame and stucco, two and a half stories, 49x27 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Owner taking bids, due October 14th. Specht & Sperry, Heed Building, Philadelphia, are figuring.



FLAG POLES and Fittings

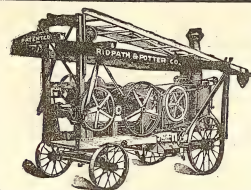
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 25-15.
Keystone, Race 60-17A



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

vue Court Building, Philadelphia. Hollow
tile and plaster, two and a half stories,
shingle roof, oak floors, hot air heating,

electric lighting. Architect taking bids
due October 20th. Wm. R. Dougherty,
1610 Sansom street, is figuring.

PENNSYLVANIA

Contracts Awarded



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
- PHILADELPHIA. PA.



Hospital Building, Sayre, Pa. Architects,
Gibb & Waltz, Ithaca, N. Y. Owner, Robert
Packer Hospital, Sayre, Pa. Brick, hollow
tile and concrete, three stories, 136x36
feet and wing 62x12 feet, composition roof,
steam heating, electric lighting, concrete
floors. Architects taking bids due October
14th. Bailey-Lush Co., 201 North Broad
street, Philadelphia, are figuring.

Residence (alt. and add.), Penllyn, Pa.
Architect, Wm. Wayne, Jr., 311 South
Hicks street. Owner, Geo. W. Norris, Belle-

Residence and Garage, Bethayres, Pa.
Architects, De Armond, Ashmead & Bickley,
618 Chestnut street, Philadelphia. Owner,
Anderson MacPhee, 33 North Thirty-sixth st.,
Philadelphia. Fisklock tapestry brick, 2 1/2
stories, 42x30 feet, shingle roof, vapor vacuum
heating, electric lighting, hardwood floors.
Contract awarded to Harry Murphy, Willow
Grove, Pa.

Residence, Springfield, Pa. Architects,
Savery, Scheetz & Savory, Stephen Girard
Building, Philadelphia. Owner, Miss Grace
K. Tully, Media, Pa. Frame and plaster, 2 1/2
stories, 20x33 feet, slate roof, tile work, hot
water heating, electric lighting. Contract
awarded to Geo. W. Deaves, Oakmont, Pa.

Stores and Apartments, Cary avenue,
Wilkes-Barre, Pa., \$7,000. Architect, Edward
N. Finch, People's Bank Building, Wilkes-
Barre, Pa. Owner, Fred Hileman, Wilkes-
Barre, Pa. Pentex tile, 2 stories, 44x62 feet,
slag roof, steam heating, electric lighting.
Contract awarded to Adam Hilderbrandt,
Wilkes-Barre, Pa.

Church (int. alts.), West Scranton, Pa., \$10-
000. Architect, E. H. Davis, Connell Building,
Scranton, Pa. Owners, First Welsh Baptist
Church, West Scranton, Pa. Consists of new
pews, electric lighting and decorating. Con-
tract awarded to Washburn-Williams Co., 179
Meridian street, Scranton, Pa.

Parochial School and Convent, Scranton, Pa.
Architect, John J. Feeney, Coal Exchange

Building, Scranton, Pa. Owners, St. Joseph's
Lithuanian Congregation, Rev. John R. Kuras,
116 Theodore street, Scranton, Pa. Brick,
frame and stucco, 2 stories, 60x100 feet, slate
roof, steam heating, electric lighting, metal
ceilings, plaster board. Contract awarded to
Breig Bros., Coal Exchange Building, Scranton.

Hotel (alt. and add.), Scranton, Pa. Archi-
tects, Charles P. Krieg associated with Mc-
Kenzie, Voorhees & Gmelin, 1123 Broadway,
New York City. Owners, Casey Hotel Co., P.
J. Casey, president, Scranton, Pa. Brick,
stone, hollow tile and concrete, 9 stories, 78x42
feet, slag and tile roof, metal lath, marble and
tile work, ornamental iron work, vacuum
heating, electric light, 200 baths and showers.
Contract awarded to Ludwig T. Stipp, Peo-
ple's Bank Building, Scranton, Pa.

Hotel, Olyphant, Pa., \$12,000. Architect,
Guy W. Osterhout, Connell Building, Scranton,
Pa. Owner, E. A. Rogan, Olyphant, Pa. Frame
and stucco, 2 stories, 58x54 feet, slag
roof, electric lighting, tile and hardwood
floors, Bishopric board. Contract awarded to
Peck Lumber Co., Olyphant, Pa.

Residence, Lansdowne, Pa., \$8,300. Archi-
tect, J. Fletcher Street, Drexel Building,
Philadelphia. Owner, W. R. Huttinger, 58
West Stratford avenue, Lansdowne, Pa.
Hollow tile, two and a half stories, slate
roof, steam heating, electric lighting. Con-
tract awarded to John Botwright, Bulletin
Building, Philadelphia.

NEW JERSEY

Construction News

Town Hall, Swedesboro, N. J. Architects,
Simon & Bassett, 1112 Chestnut street, Phila-
delphia. Owners, Borough of Swedesboro,
Harry A. Black, Mayor, Swedesboro, N. J.
Brick, stone trimmings, 2 stories, 40x60 feet,
wing 15x20 feet, slate roof, (plumbing, heat-
ing and electric work separate bids). Owners

taking bids, due October 16th, at 3 P. M. In
addition to those previously reported, Lam
Building Co., 1001 Wood street; Thomas M.
Seeds, 1207 Race street; H. H. Wehmeyer,
1004 Lehigh avenue; E. J. Kreitzburg, 1345
Arch street, all of Philadelphia; and J. S.
Rogers Co., Moorestown, N. J.; and S. S.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY-PLAIN HARDWOOD-MAPLE-PINE AND EVERY KIND
LAYING-PLANING-FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Parks, Swedesboro, N. J., are figuring.

Sunday School Building, Camden, N. J., \$30,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, State Street & B. Church, Camden, N. J. Stone, 2 stories, slate roof, steam heating, electric lighting. Plans completed. Architect will soon take bids.

Church and Sunday School, Camden, N. J. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Parkside Baptist Church, Camden, N. J. Stone, 1 story, 79x71 feet, slag roof, vapor vacuum heating, electric lighting. Plans completed. Owners will soon take bids on foundations and first story only.

Power House, Vineland, N. J., \$30,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, N. J. Home for Feeble-minded Women, care Dr. Madeline Hallowell, Vineland, N. J. Brick, 1 story, 56x64 feet, slag roof, concrete floors, (heating, electric work and plumbing separate bids). Owners taking bids, due October 22d, at 2 P. M. The following are figuring: James H. Wells, Heed Building; Metzger & Fisher, Denckla Building; Edward Fay & Son, 2 South Mole street, Philadelphia.

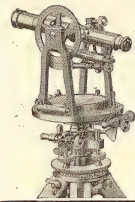
Dining Service Building, Vineland, N. J., \$50,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, N. J. Home for Feeble-minded Women, care Dr. Madeline Hallowell, Vineland, N. J. Brick, 1/2 story, 150x192 feet, composition floors, (heating, plumbing and electric work separate bids). Owners taking bids, due October 22d, at 2 P. M. The following are figuring: James H. Wells, Heed Building; Metzger & Fisher, Denckla Building; Edward Fay & Son, 2 South Mole street, Philadelphia.

Nurses Home, Vineland, N. J. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, N. J. Home for Feeble-minded Women, care Dr. Madeline Hallowell, Vineland, N. J. Brick, 3 stories, 120x50 feet, metal lath, waterproofing, and dampproofing, composition floors, slag roof, (heating, plumbing and electric work separate bids). Owners taking bids, due October 22d at 2 P. M. The following are figuring: James H. Wells, Heed Building; Metzger & Fisher, Denckla Building; Edward Fay & Son, 2 South Mole street, Philadelphia.

House of Detention, Trenton, N. J., \$50,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State House Commission, State Capitol, Trenton, N. J. Brick, concrete and steel, 2 stories, 60x130 feet, and 3 stories, 34x60 feet, slag roof, metal lath, waterproofing and dampproofing, concrete and composition floors, (heating, electric work and plumbing separate bids). Owners taking bids, due October 19th. Metzger & Fisher, Denckla Building; and Edward Fay & Son, 2 South Mole street, Philadelphia, are figuring.

Psychopathic Building, Trenton, N. J., \$50,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State Hospital of New Jersey, Trenton, N. J. Stone, steel and concrete, 5 stories, 46x94 feet, slag and tile roof, composition floors, steel sash, elevator, (heating, plumbing and electric work separate bids). Owners taking bids, due October 20th. Metzger & Fisher, Denckla Building, and Edward Fay & Son, 2 South Mole street, are figuring.

Laboratory Building, Trenton, N. J., \$12,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, Geological Survey of New Jersey, Trenton, N. J. Brick, 3 stories, 43x50 feet, slag roof, concrete and composition floors, (heating, plumbing and electric



We repair
Transits
Levels
Tapes

We want every **BUILDER ARCHITECT** and **CONTRACTOR** to call here at our **Factory and Salesroom** and examine our **1916 Model No. 25.**

"Sterling" Contractors' Transit

You will find in it the "last word" in instrument construction.

DESIGNED AND MADE BY

WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

PHILADELPHIA

Rebuild
Instruments
For Sale
or Rent

work separate bids). Owners taking bids, due October 19th. Metzger & Fisher, Denckla Building, and Edward Fay & Son, 2 South Mole street, Philadelphia, are figuring.

School Building, Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, district clerk, Berlin. Brick, 1 story, 75x60 feet, slate roof, (warm air heating, plumbing and electric work separate bids). Lowest bid submitted by W. R. Titus, Woodbury, N. J.

School Building, West Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, district clerk, Berlin, N. J. Brick, 1 story, 75x60 feet, slate roof, (warm air heating, plumbing and electric work separate bids). Lowest bid submitted by W. R. Titus, Woodbury, N. J.

High School, Pleasantville, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Board of Education, care Webster Price, Pleasantville. Brick, stone trimmings, 2 stories, 104x110 feet, slag roof, iron stairs, safety treads, damp-proofing, kalamein doors, metal lath, slate blackboards. Revised plans in progress.

School Building, Paulsboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Paulsboro, N. J. Brick, stone trimmings, 30x100 feet, slate roof, (heating, plumbing and electric work separate bids). Owners taking bids, due October 18th.

School Building, Paulsboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Paulsboro, N. J. Brick, stone trimmings, 2 stories, 30x100 feet, slate roof, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due October 18th. James Connor, 1317 Arch street, Philadelphia, is figuring.

Morgue and Laboratory, Morris Plains, N. J., \$10,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, New Jersey State Hospital for Insane, Morris Plains, N. J. Brick and terra cotta, two and a half stories, 30x45 feet, quarry tile roof, steam heating, electric lighting, composition floors, dampproofing and waterproofing. Owner taking bids, due October 29th. The following are figuring: M. Byrnes Building Co., Elizabeth, N. J., and Butz & Clader, Allentown, Pa.

Residences (4), South Broad street, Trenton, N. J., \$8,000. Architect, private plans. Owners, Ahrend & Hentz, 1219 South Broad street, Trenton, N. J. Brick, two and a half stories, 14x35 feet each, slate and tin roof, hot water heating, combination lighting. Owners are sub-letting all contracts.

Church, Butler street, Trenton, N. J., \$12,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Brick, one story, 39x70 feet, slate roof, steam heating, metal lath, combination lighting. Plans in progress.

Dairy (alt. and add.), North Broad street, Trenton, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Castanea Dairy Co., 234 North Broad street, Trenton, N. J. Brick, two stories, 35x50 feet, slag roof, electric lighting, concrete floors. Plans in progress.

Sewage System and Disposal Plant, Seaside Park, N. J., \$25,000. Engineers, Remington & Vosbury, 601 Market street, Camden, N. J. Owner, Borough of Seaside Park, N. J., Frank Brockway, Borough Clerk, Seaside Park, N. J. Consists of 8,000 feet of 8x12 terra cotta sewers, 24 manholes, pumping station, chemical house, settling tank, etc. Owner taking revised bids due October 18th. The following are figuring: Manwaring & Cummins, Hale Building, Philadelphia; E. L. Bader, Atlantic City, N. J.; J. S. Rogers, Moorestown, N. J.; Averell-Matthew Co., Newark, N. J.; Cantrell Construction Co., Twenty-first and Sedgley avenue, Philadelphia; Kelly-McPeeley Co., 432 Market street, Camden; Suburban Engineering Co., 15 West Thirty-eighth street, New York City.

Sewage System and Disposal Plant, Bay Head, N. J., \$25,000. Engineers, Remington & Vosbury, 601 Market street, Camden, N. J. Owner, Borough of Bay Head, Bay Head, N. J. Consists of terra cotta pipe sewers, pumping station, chemical house, settling tanks, etc. Plans in progress.

Store and Apartment House, Bridgeton, N. J., \$25,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, name withheld. Brick, three stories, 70x48 feet, slag roof, hot water heating, composition flooring, wire lath, waterproofing, refrigerating plant, electric light. Plans in progress.

Residences (25), Camden, N. J. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Haddon-Browning Co., Camden, N. J. Frame and stucco, two and a half stories, 16x38 feet, and 34x25 feet, shingle roof, hot air and hot water heating, electric lighting, hardwood floors, tile work, wire lath. Owners taking sub-bids.

Office Building (alts.), Camden, N. J., \$10,000. Architect, Thomas Stephens, Masonic Temple, Camden, N. J. Owner, Masonic Temple Building, Geo. W. Jessup & Sons, Jessup Building, Camden, N. J. Con-

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. *It will pay you to investigate.*

VAPOR HEATING CO., YORK : PA.

HARTMAN BLDG.

sists of changing lodge rooms on four- and fifth floors into 44 offices, metal lath, revolving doors, steam heating, electric lighting. Plans completed. Architect ready for bids.

Town Hall, Pennington, N. J. Architect, private plans. Owner, Borough of Pennington, Pennington, N. J. Brick, two stories, 44x39 feet, slate roof, metal ceilings, electric lighting, steam heating. Own-

er taking approximate bids dues October 13th. Specht & Sperry, Heed Building, Philadelphia, are figuring.

Bungalow, Ocean City, N. J. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, name withheld. Brick and stucco, 40x90 feet, slate or shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

NEW JERSEY

Contracts Awarded

Home Buildings (6), Skillman, N. J., \$150,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, N. J. State Village of Epileptics, Skillman, N. J. Consists of 6 buildings, brick, concrete, terra cotta and steel, cottage, 2½ stories, 125x65 feet; cottage, 2½ stories, 39x60 feet; laundry building addition, 2 stories, 125x65 feet; service building, 2 stories, 11x42 feet; cottage, 2½ stories, 98x22 feet; composition and slate roofs, damp-proofing, tile and marble work, composition floors, metal lath, reinforcing rods. Contract awarded to Edward Fay & Son, 2 South Mole street, Philadelphia.

Factory (add.), Camden, N. J. Architects, Ballinger & Perrott, Seventh and Arch streets, Philadelphia. Owners, Taylor-White Extracting Co., Coopers Creek, Camden, N. J. Brick, 2 and 4 stories, 230x102 feet, asbestos roof, reinforcing bars, steel sash, fire doors, iron stairs, (elevators, heating and electric or reserved). Contract awarded to Armstrong & Latta, Land Title Building, Philadelphia.

School (alt. and add.), Atlantic City, N. J., \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owners, Board of Education, H. H. Young, secretary, Atlantic City. Brick, terra cotta, reinforced concrete and steel, fireproof, 3 stories, 90x150 feet, slag roof and slate roofing, metal sash, kalamein doors, metal lath, slate blackboards, metal lockers, dampproofing and waterproofing, composition flooring, safety treads, tile and marble work, weather strips. Contract awarded to Alex. Chambley, 243 South Tenth street, Philadelphia.

Residence (int. alt.), Bridgeton, N. J., \$2,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, W. L. Martin, Bridgeton, N. J. Tile work, hardwood floors, mill work, electric lighting. Contract awarded to H. H. Hankins & Bro., Bridgeton, N. J.

School, Roseville, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Board of Education of Whitford Township. Brick, one story. Contract awarded to H. T. Watson, Atco, N. J.

Miscellaneous Construction News

Dormitory Building, Athens, Ohio. Architect, Frank L. Packard, Hayden Building, Columbus, Ohio. Owners, Ohio University, Athens, Ga. Brick, steel and concrete, fireproof, 3 stories, 100x85 feet, slate roof, steam heating, electric lighting, reinforcing bars, tile and terrazzo work. Architect taking bids, due October 30th. James H. Wells, Heed Building, Philadelphia, is figuring.

Sub-stations (2), Syracuse, N. Y. Architect, private plans. Owners, Syracuse Lighting Co., Syracuse, N. Y. Brick, concrete and steel, 2 stories, 22x58 feet, 89x48 feet, Barrett roof, steel sash, iron stairs, reinforcing bars. Owners taking bids, due October 14th. Charles Gilpin, Harrison Building, Philadelphia, is figuring.

Factory Building, Wilmington, Del., \$10,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Harris Engine Works Co., Twelfth and Union streets,

Wilmington, Del. Holow tile and steel, 1 and 2 stories, 75x150 feet, slag roof, steam heating, electric lighting. Owners are taking sub-bids.

Residence (12), Wilmington, Del., \$22,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, name withheld. Brick, limestone trimmings, 2½ stories, 16x45 feet each, slag and tin roof, steam heating, gas and electric lighting. Plans completed. Architect ready for bids.

Agricultural Building, Newark, Del. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware College, Newark, Del. Brick and stone, 2 stories. Details not yet decided. Preliminary plans in progress.

Hotel, Edwards, N. Y. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, Northern Ore Co., Real Estate Trust Building, Philadelphia. Frame, 3 stories, 40x80 feet, wing 30x60 feet. Plans in progress.

Miscellaneous Contracts Awarded

Residence (alt. and add.), Montchanin, Del., \$35,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owner, R. M. Carpenter, Du Pont Building, Wilmington, Del. Hollow tile and plaster, 2½ stories, addition, 54x36 feet, tile roof, oak floors, canvas floors, reinforced concrete fireproofing, reinforcing bars, metal lath, (tile work, heating, plumbing and electric work reserved). Con-

tract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

School Building, Townsend, Del., \$7,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, W. G. Money, secretary, Townsend, Del. Brick and shingle, 2 stories, 48x70 feet, shingle roof, steam heating, slate blackboards. Contract awarded to W. S. & A. M. Culp, Chestertown, Md.

Maryland

Construction News

Office Building Lexington and Liberty sts., Baltimore, Md. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, Public Service Building Co. (Consolidated Gas, Electric Light and Power Co.), Lexington and Liberty streets, Baltimore. Brick, stone and steel, fireproof, 12 stories. Architects taking bids on structural steel. Irwin & Leighton, 126 North Twelfth street, and Chas. McCaul Co., 1713 Sansom street, are figuring. Plans for superstructure will be ready in about ten days.

Water and Sewage Systems, Silver Springs, Md. Engineer, Harry Stevens, Union Trust Building, Washington, D. C. Owner, Montgomery County Commissioners, Silver Springs, Md. Plans in progress.

Factory, Mount Airy, Md. Architect, private plans. Owner, The Bachman Shirt Co., John S. Sparks, President, Rowens, Pa. Brick, two stories, 200x400 feet, slag roof, steam heating, electric lighting. Owner taking bids.

Foundry, Sparrows Point, Md. Architect, private plans. Owner, Maryland Steel Co., Sparrows Point, Md. Brick, one story, 625x77 feet, composition roof, steel sash. Owner taking bids. P. J. Cushen, 217 St. Paul street, Baltimore, and Henry S. Rippey, 7 Clay street, Baltimore, are figuring.

Water Tower and Tank, Indian Head, Md. Engineer, private plans. Owner, U. S. Government, Bureau of Yards and Docks, H. A. Stanford, Chief, Washington, D. C. 250,000-gallon tank and tower. Owner taking bids due October 30th. Plans may be obtained upon deposit of \$25.

Factory, Canton, Baltimore, Md. Architect, private plans. Owner, James Thompson, 18 West Pratt street, Baltimore. Brick, one story, 100x100 feet, slag roof, electric lighting. Owner is sub-letting all contracts.

Ice Manufacturing Plant, Baltimore, Md. Architects, Mortenson & Co., 405 Lexington street, New York City. Owner, American Ice Co., Calvert Building, Baltimore. Addition to plant, office building and power house. Brick, concrete and The following are figuring Consolidated Engineering Co., Calvert Building; Singer-Pentz Co., Equitable Building; J. J. O'Connor, Eager and Warder avenue; C. E. Stubbs, The Wentworth, all of Baltimore.

Service Station and Garage, 1006 to 1012 North Eutaw street, Baltimore. Owner, J. T. Whitehurst, 405 East Aliver street, Baltimore. Brick, 2 stories, 66x150 feet, slag roof, steam heating, electric lighting. Owner will take bids.

Bakery (add.), 310 North Gay street, Baltimore, Md. Architect, John Freund, Jr., Hoffman Building, Baltimore. Owners, City Baking Co., on premises. Brick, 3 stories, 74x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Apartment House, University Parkway, Baltimore. Architect, George R. Morris, Gunther Building, Baltimore. Owners, company now forming. Brick, stone and steel, 5 stories, 80x150 feet, slag roof, steam heating, electric lighting, hardwood floors, electric lighting, tile and marble work. Plans in progress. Architect will take sub-bids.

Residences (15), Edmondson avenue, near Longwood street, Baltimore. Architect, Geo. R. Morris, Gunther Building, Baltimore. Owners, Elliott Heights Land Co., care of architect. Brick, 2 stories, 15x50 feet each. Architect will sub-let all contracts.

Residence, Kingsville, Md., \$20,000. Architect, Thomas B. Ewins, 347 North Charles street, Baltimore, Md. Owner, J. C. Taliferro, Kingsville, Md. Stone and frame, 2½ stories. Details not decided. Plans in progress.

Picture Theatre, 404-406 North Howard st., Baltimore. Architects, Sparklin & Childs, Law Building, Baltimore. Owner, Edward J. Rosenstein, care of architects. Brick, 1 story,

37x121 feet, slag roof, steam heating, electric lighting. Plans about completed. Architects will take bids in one week.

MARYLAND

Contracts Awarded

Hotel (add.), 410-12 West Franklin street, Baltimore, Md. Architect, George Stack, Baltimore, Md. Owners, Reilly's Hotel, on premises. Brick and steel, 4 stories, 52x129 feet, slag roof, steam heating, electric lighting. Contract awarded to Henry L. Maas, 1119 Eusor street, Baltimore, Md.

Machine Shop, Sparrows Point, Md., \$400,000. Architect, private plans. Owners, Maryland Steel Co., Sparrows Point, Md. Brick and steel, 1 story, 425x180 feet, slag roof, steel sash, concrete work, electric lighting. Contract awarded to P. J. Cushen, 217 St. Paul street, Baltimore.

Testing and Shipping Station, Texas, Md. Architects, Emory & Nussear, Professional Building, Baltimore. Owners, Poole Engineering and Machine Co., Baltimore, Md. Consists of shipping platform and 12 hollow tile and plaster buildings, concrete and wood floors, electric lighting. Contract awarded to Claiborne-Johnson Co., Garrett Building, Baltimore, Md.

Civil Engineering Building, Homewood, Baltimore, Md., \$160,000. Architect, Joseph Evans Sperry, Calvert Building, Baltimore,

Md. Owners, Johns Hopkins University, Homewood, Baltimore, Md. Brick, stone and steel, fireproof, 4 stories, 100x200 feet. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Oil Refinery, Third avenue and Eighth street, Baltimore, Md. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, Virginia Products Co., on premises. Brick, 1 story, 40x110 feet; wing, 40x40 feet, slag roof, electric lighting. Contract awarded to Price Concrete Construction Co., 225 St. Paul street, Baltimore, Md.

Stores (alts.), 3342 to 3346 Greenmount avenue, Baltimore. Architect, private plans. Owners, G. B. S. Brewing Co., 313 South Hanover street, Baltimore. Consists of new store fronts and interior alterations. Contract awarded to Adam Kratz, 118 South Carrollton avenue, Baltimore, Md.

Jail Building, La Plata, Md. Architect, Theo. Wells Pietsch, American Building, Baltimore. Owners, Town of La Plata, La Plata, Md. Brick and concrete, 2 stories, 20x40 feet. Contract awarded to C. F. Potter, La Plata, Md.

S. F. Corbin (O), Oak Lane, Philadelphia. C. L. Hemmerly (C), Oak Lane. Cost, \$1,000. Dwelling and offices, Ninth and Oak Lane ave. Kirby & Kohn (O), 1611 West York street. Barndt & Son (C), 1037 West Tioga street. Cost, \$950. Garage, 2319 North Smedley street.

Ed. W. Harris (O), Twenty-second and Market streets. Ed. Cunningham (C), 50 North Twenty-third street. Cost, \$8,000. Garage, Fifteenth and Fairmount avenue.

T. C. Benhaum (O), 1204 Chestnut street. Lam Building Co. (C), 1001 Wood street. Cost, \$600. Store, Fifteenth and Sansom streets.

Eugene K. Paul (O), Wyndmore, Mont. Co. Pa. Kohl & Megargee (C), 101 E. Phil-Elena street. Cost, \$4,000. Store, 6839 Germantown avenue.

A. Brodefield (O), 3131 Frankford avenue. A. Kaplan (C), 1015 Poplar street. Cost, \$850. Store and dwelling, 1147 North Second street.

L. Martin Co. (O), Milnor and Cottman sts. Wm. Ratcliff (C), 1521 Arrott street. Cost, \$13,000. Lamp black factory, Milnor and Cottman streets.

Rev. P. E. O'Neill (O), 6006 Spruce street. John P. Fallon (C), 449 South Sixtieth street. Cost, \$1,578. Dwelling, Sixty-second and Cedar avenue.

Baum Leather Co. (O), Stiles and Wakeling streets. Ed. T. Bensler (C), 6014 Torresdale avenue. Cost, \$1,000. Factory, Stiles and Wakeling streets.

B. Carter (O), Somerton, Pa. Wm. D. Bilbrick (C), Somerton, Pa. Cost, \$1,900. Barn, Somerton, Pa.

Orinoka Mills Co. (O), Ruth and Somerset streets. Arthur S. Brown (C), 1901 E. Clearfield street. Cost, \$1,500. Storage, 2754-56 Jasper street.

N. A. Uhler (O), Lawntown and Sixty-ninth avenue. Frank R. Hill (C), 6700 North Sixth street. Cost, \$925. Garage, Lawnton and Sixty-ninth avenue.

D. E. Dallam (O), 514 Market street. Jacob Burling (C), 3823 Baring street. Cost, \$1,950. Factory, 221 Chestnut street.

John McCann (O), 56 W. Rittenhouse street. Cost, \$1,000. Garage, 54 W. Rittenhouse street.

Mrs. J. W. Holland (O), 1708 Christian st. O. Fogarty (C), 1918 Cherry street. Cost, \$880. Dwelling, 1708 Christian street.

E. T. Stotesbury (O), Drexel Building. Geo. F. Payne (C), 401 S. Juniper street. Cost, \$40,000. Dwelling, 1923-25 Walnut street.

Mrs. Catherine Sandman (O), 5937 Cedar avenue. John P. Fallon (C), 449 S. Sixtieth street. Cost, \$850. Garage, 5937 Cedar avenue.

Jas. F. Sim (O), Commonwealth Building. Geo. Steinbach (C), 1609 North Park avenue. Cost, \$35,000. Garage, brick, 1 story, 100x175 feet, Forty-first and Locust streets.

Mastbaum Bros. & Fleischer (O), Finance Building. Brownworth & Co. (C), 1611 Sansom street. Cost, \$550. School, 1704 Summer street.

J. D. Reno (O), 1919 Green street. I. T. Shoemaker (C), 1309 Walnut street. Cost, \$400. Dwelling, 1919 Green street.

L. M. Matthias (O), 135 North Tenth street. E. R. Sabin & Co. (C), Fifty-fourth and Cedar avenue. Cost, \$825. Dwelling, 135 North Fiftieth street.

Girard Estate (O), Lafayette Building. R. B. Lederle (C), 833 Witherspoon Building. Cost, \$1,000. Apartments, 715 North Sixth street.

E. T. Houghton (O), American and Somerset streets. Bushnell Bros. (C), 2146 Norris street. Cost, \$12,000. Factory, American and Somerset streets.

L. A. Magazzi (O), 4925 Camac street. Logan Const. Co. (C), 1428 Rockland street. Cost, \$1,000. Moving picture theatre, 4817 North Broad street.

Swift & Co. (O), 60 Market street, Boston,

(Continued on page 662.)

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Harry Cornelius (O), 5529 N. Fifth street, Philadelphia. Cost, \$5,000. Two dwellings, brick, 2 stories, 16x42 feet, Fourth and Grane streets.

Walter Smith (O), 5273 Ridge avenue. Cost, \$11,200. Eight dwellings, brick and stone, 2 stories, 16x32 feet, 3808-22 Lauriston street.

David McKibbin (O), 2900 Frankford avenue. Cost, \$10,500. Seven dwellings, brick, 2 stories, 15x39 feet, 3301-13 Emerald street.

Thos. Kennedy (O), 842 E. Cheltenham avenue. Cost, \$1,500. Dwelling, stone and brick, 2 stories, 15x40 feet, 6118 Beechwood street.

Morris & F. Feldman (O), 410 McKean street. Cost, \$89,200. Thirty-nine stores and dwellings, brick, 2 stories, 14x40 feet, Wishart and Ella street.

Thos. W. South (O), 6932 Keystone street. J. Edward Mattis (C), 4415 Wingohocking street. Cost, \$3,600. Two dwellings, brick, 16x42 feet, Longshore and Erdick streets.

A. M. Zane (O), 2200 Tioga street. Cost, \$41,900. Seventeen stores and dwellings, stone and brick, 2 stories, 16x50 feet, 2600 West

Allegheny avenue.

Music School (O), 416-28 Queen street. Care Edward W. Bock, Merion, Pa. Doyle & Co. (C), 1519 Sansom street. Cost, \$125,000. Music school, brick, 3 stories, 118x57 feet, 416-28 Queen street.

James Stewart (O), 215 Monastery avenue. Cost, \$5,000. Two dwellings, stone and brick, 3 stories, 16x55 feet, 4550-52 Manayunk avenue.

A. S. Tourison (O), 7014 Boyer street. Cost, \$13,500. Delling, stone and brick, 3 stories, 30x54 feet, Sedgick and Ardleigh streets.

John Pangia (O), 1335 Castle avenue. H. F. Dinkelacker (C), 227 North Farson street. Cost, \$8,400. Six dwellings, brick, 2 stories, 14x36 feet, Cantrell and Tenth streets.

T. P. Woll & Co. (O), Tacony and Church streets. J. Sims Wilson (C), 1125 Brown st. Cost, \$22,000. Factory, brick, 2 stories, 60x195 feet, Tacony and Church streets.

John M. Snyder (O), Sydenham and Loudon streets. Cost, \$2,400. Store and dwelling, brick and stone, 2 stories, 16x43 feet, Fourth and Ashdale streets.

Green lane. Cost, \$2,500. Residence, 5723 Ridge avenue.

F. Hogarth (O), 4814 North Twelfth street. Wm. H. Schultz (C), 2340 North Carlisle street. Cost, \$6,000. Garage, stone, 1 story, Fifteenth and Cayuga streets.

Cramp & Sons (O), Philadelphia. Hoffman Eng. Co. (C), Pennsylvania Building. Cost, \$1,000. Shed, Richmond and Fletcher streets, Philadelphia.

Wm. H. MacKenney, M. D. (O), 442 Seville street. Wm. H. Eddleman & Sons (C), 453

Alterations and Additions

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd.....President
Joseph M. DeLone.....Vice-President
Louis S. DeLone.....Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon.....Editor

PHILADELPHIA, PA., OCTOBER 13, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President.....*R. Clipston Sturgis, Boston
First Vice-President.*Thomas R. Kimball, Omaha, Neb.
Second Vice-President.D. Knickerbacker Boyd, Phila.
Secretary.....*Burt L. Fenner, New York
Treasurer.....*J. L. Mauran, St. Louis
Auditors.... { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall Rankin, Philadelphia.For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan, Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A. B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

PresidentM. B. Medary
First Vice-PresidentJ. P. B. Sinkler
Second Vice-PresidentA. H. Broekie
SecretaryHorace Wells Sellers
RecorderArthur I. Meigs
TreasurerGeorge I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

PresidentJohn F. Harbeson
Vice-PresidentHerman L. Duhring
SecretaryWilbur H. Tusler
TreasurerWalter Mellor
Directors—E. Nelson Edwards, William F. B. Koelle, Clarence C. Zantzing.

Editorial Comment

The variety of new effects made possible by the use of what has come to be known as texture or tapestry brick has given to architects a medium, in the hands of the designer with what is known as "the color sense," capable of beautiful, varied and distinctively attractive combinations. This brick comes in every gradation of tint, in a pleasing variation of textural finishes and in shapes from the long and flat up to the extra long and unusually wide, so that in the hands of the skilful designer the effect is obtainable of a rare old rug.

The attractive results possible by the intelligent use of this new brick is measurably enhanced by the introduction of unusual bonds and jointings. Commenting on a few of the better known of these bonds, Mr. Harold Donaldson Eberlien remarks in the pages of "House and Garden:"

"Much attention is now being given by architects to brickwork, and this is noticeable in nearly every new house of architectural merit. Bricks with good texture and fine color tones, and bonds that make a pattern in the wall are employed. Less and less is being seen in new work of the old-style 'running bond,' or the representatives of it that house painters used to block out with red and white paint. The most common bonds, in fact almost the only one employed during a great part of the nineteenth century, is the running bond, in which all the courses are composed of 'stretchers,' that is to say, brick laid lengthwise. the only 'headers' or endwise brick visible being at the window jambs, at the starting of piers and pilasters and in straight header courses at more or less frequent intervals where their use is made obligatory by the local building laws to tie the face wall to the backing. Each course breaks joints vertically with the courses immediately above and below. Running bond is perhaps the simplest and certainly the least interesting and artistic way of laying brick and has little to recommend it except considerations of economy.

* * *

"The Flemish bond, in which every course consists of alternate headers and stretchers is, after the running bond, the one we most commonly meet with, having been generally used in our brick buildings of Colonial date, in which the black header and red stretcher effect is so often noticeable. Flemish bond is constructionally honest, artistic, and satisfying, and its almost universal employment in modern building of Colonial style cannot be too strongly commended.

"The double-stretcher Flemish bond which, as its name denotes, consists of two stretchers together, followed by a single header in all courses, the headers being laid above the joints between the two stretchers in the course next below. It is coming more and more into vogue in America and has been used in

some of our largest buildings with signal success.

"For the vertical joints between the contiguous stretchers, mortar colored to exactly match the brick is often used, thus making a blind joint and giving the effect of one double-length stretcher. The use of double-stretcher Flemish bond sets a big-broad scale and can be employed to advantage in large wall surfaces, particularly where it is desired to take off somewhat from the appearance of height, as the strongly marked horizontal lines have that effect. This feature can be further emphasized by slightly increasing the thickness of the horizontal mortar joints.

* * *

"English bond and Dutch cross bond, like both the single-stretcher and double-stretcher Flemish bond, are replete with artistic feeling and deserve to be far more widely known and used than they now are in America. Not only are they essentially artistic, but they are strong and honest in structure. Both English bond and Dutch cross bond have alternate courses, the one wholly of stretchers and the next wholly of headers. but in the English bond the stretchers of all the courses come directly above each other, while in the Dutch cross bond the stretchers of the first and fifth courses break joints with the stretchers of the third and seventh courses respectively and thus throughout, giving a diagonally diapered appearance if the mortar joints and the hue of the brick be judiciously contrasted.

"The bonds mentioned are the most usual kinds, but one also meets with special adaptations of recognized types; it is, however, quite sufficient for general purposes to remember the five enumerated. In fact, many people, who are supposed to have some knowledge of such matters, have difficulty in keeping the differences clearly in mind and generally fall down in trying to describe them."

* * *

"The Heating and Ventilating Magazine" has a timely editorial utterance in the September number on the tendency shown by the lawmakers of various States to enact meddlesome and unnecessary legislation dealing with the heating trades. What is true of the heating trades is equally true of other lines, so much so that most of the trade bodies are beginning to recognize the importance of having legislative committees to keep a close watch on this meddlesome tendency.

"The importance to the heating trade of watching the course of pending legislation in the various State Legislatures," observes the "Heating and Ventilating Magazine." "does not, ordinarily, appeal to the average heating man, but in the light of the information brought out at the recent convention of the master steam fitters' association, it is evident that a very real danger exists in the passing of drastic and ill-considered laws relating especially to the operation of heating plants.

It was brought out, for instance, that a large mass of this sort of legislation was introduced during the past winter, and one of the principal reasons given for its failure to pass was the fact that most of the Legislatures were congested with bills. In a few cases the activities of the different associations were effective in rooting out 'jokers' and 'strike legislation,' but in most of the cases cited the trade appeared to be entirely unaware of the dangers that lay before it.

"One of the commonest types of bills coming under this heading were those providing for State inspection of steam boilers, where provision is made for State Boards of Inspection and requiring boilers to be inspected periodically and a fee to be paid. It is well understood that such a law is intended to apply to power boilers, but where the pressures carried are not mentioned, the passage of such bills, as was tersely stated, 'would mean a large decrease in steam and hot water heating jobs in favor of furnace work, especially in the smaller jobs.'

"One of the most pernicious types of bill is that which provides that all operators of steam boilers over a certain size, and frequently the exemption is very small, must not only be examined by a State Board, but must be licensed by a State Board to operate a boiler. A number of instances were found where the wording of the bill would require every flat or apartment house which uses steam heat to employ a licensed engineer or fireman to run its boilers.

"Still another class of legislation would empower a State Board, and in Pennsylvania, for instance, a local board in each city, to pass arbitrarily upon the safety of each installation before the plant could be accepted and placed in use.

"It will also be a matter of information to many to know that where there is no State law on the subject a municipality can regulate these things in the same way as it provides smoke ordinances and similar restrictions.

"Fortunately, there is little likelihood of further objectionable legislation until 1917, as most of the Legislatures have adjourned until that time, but it is predicted that unless preventive measures are taken in the meantime the trade 'can depend upon it that sooner or later every Legislature in this country is going to have something to say about boilers and inspection and about insurance.' "

* * *

Yes, and about a host of other things concerning which the average Legislature knows little or nothing. The tendency is to enlarge at every session the number of unnecessary statutes. It seems not yet to have occurred to any legislative body to devote one session to repealing laws the original need for which nobody has been able to establish.

* * *

The "New York Record and Guide" has a very instructive comment in the current number on the prohibitive increase in property values which is brought about by large schemes of public improvement. The point

of view is so unusual that we are moved to reprint the article in its entirety:

"One-half of the population of Berlin live in one-room dwellings in tall tenements crowded around one or more internal courts," remarks the writer. "Land in Berlin is valued at three or four times what land is valued at in London and New York, and the families who are huddled in the 'one-room dwellings' are victims of a policy which has permitted property values to be raised beyond reason. In the 'Town Planning Review' (for July), a journal of the Department of Civic Design in the School of Architecture of the University of Liverpool, it is stated by Mr. T. C. Horsfall, in the course of a comparison of housing conditions in Berlin and some other capitals, that in Berlin, which in the year 1905 had 2,040,148 inhabitants, 550,629 persons lived in dwellings (apartments) in every warmable room of which there were from four to thirteen persons; and 1,088,269 persons lived in dwellings (apartments) in every warmable room of which there were from three to thirteen occupants.

"Other German cities are not like Berlin. In all other large towns in Germany slums are the exception, but in Berlin they are the rule. Hence it is only the extreme and exceptional conditions to be found in one city that are here cited for purposes of instruction in city planning—conditions which New York must carefully guard against by preventing the exceptional causes which have produced them in the German capital.

* * *

"It has been the experience of Berlin that too much money expended for the construction and maintenance of elaborate public works, and especially for the laying out and opening of streets, boulevards and parks, has made the cost of sites and buildings too high for most families. Many years ago it was found that houses larger than two or three stories must be built to contain several families each, in order that their combined monthly payments might adequately reimburse the owner.

"This change, by distributing the cost of the land in the site and to the middle line of the street over several tenements, at first made it possible to supply multi-family dwellings of the new type at rentals lower than those which had to be charged in the houses of only two or three stories. But it had another effect which soon neutralized its first cheapening influence on rents. By greatly increasing the amount of income obtainable from land used or usable, as sites for tall tenement purposes, it correspondingly raised the price of all such land; and this rise in the cost of land, in its turn, made it necessary for builders on the land to get more rent for their buildings.

"Has New York not started in the same course and proceeded a distance therein? Have we not seen precisely the same change taking place up to the point described? Have not families been crowded from small private dwellings into large apartment houses, and from large suites of rooms into smaller ones, because of increasing rents; and are not the higher rents the corollary of the rising cost

of land, the greater cost of construction, the higher cost of living, the higher cost of mechanics' wages and the higher taxes—an endless chain of cause and effect?

* * *

"Berlin has taken a century to evolve the state of affairs which has raised the average number of persons per house to 77, whereas the average in Manhattan and the Bronx is but 20. There are houses in New York which contain 50 families each, but in Berlin there are some which have 250 families each, so great is the overcrowding. The blame is laid first at the door of the municipal government, but ultimately and chiefly on the State. The Prussian Building Lines act of 1875 gave the local government power to decide, subject to the approval of the State, what new streets should be formed, their direction, width and how far apart, and consequently the size of the building lots between each pair of streets.

"It also gave the municipal government power to divide the town into districts and to decide for each district how many stories dwellings should be allowed to have, what proportion of each plot could be covered by a building and in what districts factories might be erected. It also granted the power to prevent buildings on any new street until the street was completed, a power which has been much used to keep up the price of land and rents. All but one of these prerogatives have recently been conferred upon the municipal government of New York City, but none has yet been exercised here. A natural hope is that the new regulations will be so wisely framed and considerably administered as to produce better results in New York City than their prototypes have in Berlin.

"Berlin is surrounded by a vast area of level land, but the government has done little to make it accessible because, as alleged, of the objection of the classes which control the town council. In theory the laws are beneficent, in practice they have been made to serve the interests of the few. Theoretical discussions of town planning were first heard in continental Europe, but nearly all the achievements have been elsewhere. The seed was new and good, but it has had its best development in other soil."

* * *

An interesting discussion, we think, of a theme that must one day engage the attention of municipalities everywhere.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



ALTERATIONS AND ADDITIONS.

(Continued from page 659.)

Mass. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$4,400. Abattoir, 906 Noble street.

Alce Buckley (O), 312 South Fifty-sixth street. Philip Saver (C), 718 Snyder avenue. Cost, \$1,200. Store, 2519 North Broad street.

Midvale Steel Co. (O), Nicetown, Philadelphia. Cost, \$800. Warehouse, Seventeenth and Lehigh avenue.

Alex. Herr & Co. (O), Delaware and Green streets. Cost, \$3,500. Warehouse, Delaware and Green streets.

Summer Brosius (O), West Grove, Pa. Phoenix Iron Works (C), Meadville, Pa. John Holt (C), Harrison Building. Cost, \$1,800. Boiler setting, Seventeenth and Vine streets.

Chas. C. Vaughn (O), 5911 Overbrook avenue. M. W. Young (C), Overbrook, Pa. Cost, \$1,500. Dwelling, 5911 Overbrook avenue.

Philadelphia Athletic Club (O), Philadelphia. Wm. White (C), Lippincott Building. Cost, \$5038. Club house, 1209 Walnut street.

Pottash Bros. (C), 504 North American street. Krakever Bros. (C), 731 Parrish street. Cost, \$6,000. Warehouse, 506-08 North American street.

Bell Co. (O), Hancock and Pollard streets. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$1,000. Store, 7128 Germantown avenue.

Girard Iron Works (O), Twenty-second and Allegheny avenue. Cost, \$800. Manufacturing building, Twenty-second and Allegheny avenue.

Mrs. C. Stollsteimer (O), 818 North Twelfth street. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$5,000. Saloon and dwelling, 818 North Twelfth street.

Finnsey & Kohler (O), Twenty-sixth and Parrish streets. Herman Voight (C), Twenty-eighth and Thompson streets. Cost, \$11,500. Factory, Twenty-sixth and Parrish streets.

O. H. Kriemmenacher (O), 1527 Marston street. H. Voight (C), Twenty-eighth and Thompson streets. Cost, \$3,200. Garage, 1526 Marston street.

Union Baptist Church (O), Bustleton pike and Bleigh streets. Robt. M. Matthews (C), 832 Montague street. Cost, \$5,000. Church, on premises.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****E. St. Elmo Lewis** recently resigned as vice-president and general manager of the Art Metal Construction Co., of Jamestown, N. Y.

****Carrere & Hastings**, architects, have moved their offices from 225 Fifth avenue, New York, to the Vanderbilt Concourse Building, 52 Vanderbilt avenue.

****E. R. Ackerman**, of the Lawrence Portland Cement Co., 1 Broadway, New York, is in San Francisco, Cal., visiting the Exposition.

****Charles T. Wills, Inc.**, 286 Fifth avenue, New York, has made important changes in its directorate, following the death of its late president, Charles T. Wills. The management of the affairs of this concern will now be vested in the following officials: Charles Sinclair Wills, president; George J. Wills, vice-president; Ernest C. Wills, second vice-president; and Ernest H. Gardner, secretary and treasurer.

****R. Maury Browne** and **E. Bradford Tazewell**, architects, have formed a partnership under the firm name of Browne & Tazewell, with offices in the National Bank of Commerce Building, Norfolk, Va. The new firm will continue the practice of Browne & Lehman, this partnership being dissolved when Mr. Lehman went to Philadelphia for the purpose of practicing his profession in that city.

****Ward P. Delano**, prominent in New England as an architect and a member of the firm of Fuller & Delano, Worcester, Mass., died at his home in that city Saturday, September 25. He is survived by two sons and a daughter.

****The National Paving Brick Manufacturers' Association** will hold its annual convention at Dayton, O., October 11-15.

****The National Builders' Supply Association** will hold its annual convention at Cleveland, O., February 17-19, 1916. Headquarters at the Hotel Statler.

****American Builders' Week** at the Panama-Pacific International Exposition will be held October 18-23. Interesting programs have been prepared for each day and the celebration will be terminated in a banquet at the Palace Hotel on Saturday evening, October 23.

****Morgan Plumbing Co.**, 175 Morgan street, Jersey City, N. J., desires catalogues, price lists and samples from manufacturers and jobbers interested in the heating and plumbing trades.

****The American Institute of Architects** will hold its next convention on the Pacific Coast—in October—and sessions will be held both in San Francisco and Los Angeles. Entertainment committees have been appointed by both the San Francisco and Southern California chapters.

****Brooklyn Chapter, American Institute of Architects**, at its last regular meeting appointed a committee to look for quarters in the vicinity of Borough Hall, as a home for the society. The committee is composed of the following men: Frank Quinby, John Slee, John Voelker, William Diltney and Charles Winkelman. The Brooklyn Chapter proposes to run an atelier in connection with its regular work, which will probably be in charge of Harvey Wiley Corbett.

****Invitations** were sent by the American Association of Engineers to the engineering departments of all the principal railroads, corporations and firms in the city of Chicago to attend a booster dinner held at the Hotel La Salle, September 14, 1915. Prof. F. H. Newell, head of the department of civil engineering at the University of Illinois, and who until recently was director of the United States Reclamation Service, spoke at this dinner on the "Needs of Organization Among Engineers." The aims of the American Association of Engineers is to raise the standard of ethics of the engineering profession and to promote economic and social welfare of engineers; by affording means for the interchange of information; by maintaining a Service Clearing House; by affording patent and legal advice; by supervision of legislation and by proper publicity. A 30 per cent. increase in membership, drawn from all parts of the United States as well as from all branches of the engineering profession, has been registered by this organization during the past two weeks. Local chapters are being formed in St. Louis, Milwaukee, Indianapolis and many of the larger cities. A national convention is to be held at the La Salle Hotel, Chicago, on December 10 and 11, 1915. All engineers are invited and the engineering societies and clubs of the United States are urged to be represented by engineering delegates. Further information may be obtained by addressing Arthur Kneisel, secretary, 29 South La Salle street, Chicago, Ill.

****Mr. H. V. Jamison**, advertising manager of American Sheet and Tin Plate Company, Pittsburgh, has been awarded a gold medal by the Panama-Pacific International Exposition Society for valuable services rendered in the installation of the large exhibits of the United States Steel Corporation and its subsidiary companies. When the Steel Corporation decided to make an extensive exhibit at San Francisco, Mr. Jamison was appointed Director of Exhibits. The results were so successful that the Steel Corporation and its subsidiaries were awarded the Grand Prize for the excellence of their exhibits and Mr. Jamison was awarded a gold medal in recognition of his services.

HOW LONG SHOULD WE MIX CONCRETE?

In mixing concrete by hand, laborers are impressed with the necessity of turning the materials with shovels several times before adding water and several times after adding water. Little consideration has been given, however, to the time required for thoroughly mixing concrete when using a machine mixer. In other words, we have depended upon the mixing machine not only to do our work, but also to furnish the brains.

A fundamental principle of concrete mixing is that every grain of sand shall be coated with neat cement, and every piece of gravel or broken stone entirely encased in sand-cement mortar. Thus only can concrete be expected to develop the maximum strength possible with the particular mixture.

In using a batch mixer the order in which materials are introduced in the drum is not of vital importance. However, in charging a mixer with a skip there are reasons why it is better to place a part of the coarse aggregate in the skip first, then the cement and fine aggregate, with the remaining coarse aggregate on top. In charging in this manner there will be less tendency for materials to stick when dumping the skip, and less loss of cement on windy days. However, this is simply a suggestion for mechanical procedure and really has nothing to do with the thoroughness of mixing.

If dry materials are introduced into the mixer first they should preferably be thoroughly mixed before water is added, and this generally would seem to be the better practice.

For a long time nearly every one seemed to be satisfied with pulling the engine lever

and holding the watch beside it for 45 seconds, implicitly trustful that the mixer would "do the rest." Recently some experimenters have been investigating the matter, and they find considerable variation in results accomplished in the 45-second mixing period. Some people run their mixers too fast and centrifugal action causes the materials to cling to the drum instead of falling and being tossed about the deflectors in the manner necessary to secure a thorough mixture. Then, of course, some people run mixers too slowly.

Probably the most exhaustive tests that have been made in mixing and preparing concrete for use were those conducted by Richard L. Humphrey and his associates under the direction of the United States Geological Survey, at the Structural Materials Testing Laboratories in St. Louis. Technologic Paper No. 2, of the Bureau of Standards, states that all concrete was mixed 2 minutes dry and 3 minutes wet. While not practicable to continue mixing for periods so long as these in commercial work, it is interesting to note that, in the tests mentioned, the ultimate strength of 2,000 pounds per square inch for a 1:2:4 concrete at the age of 4 weeks (frequently the basis for unit stresses) was exceeded by almost 50 per cent. for granite and gravel concrete and by 25 per cent. for limestone concrete.

More careful contractors are now increasing the time of mixing, after all ingredients, including water, have been placed in the drum, from 45 seconds to 1 minute, knowing that the additional 15 seconds result in a cheap means of securing a guarantee of increased efficiency of the concrete.

employed in it were not only acquainted with the methods of their own country, but with those of the whole world. They could then, if they were broad-minded enough, adopt any style of work prevalent in any other country which could be proved to be better than their own. I am an Englishman, a carpenter by trade, and I have worked at it in British Columbia about six years. My own idea concerning the methods of work here is that some are better than British, some not so good, and some about the same.

"Every home I have worked on—no matter how small—has had double floors, the under one being of shiplap generally laid diagonal, and the upper one tongued and grooved. The skirting, or baseboard, as it is called here, is never scribed to the floor, quarter-round being nailed to the floor instead to hide the joint; the skirting can therefore shrink and the shrinkage not be noticed. This method is much quicker, and makes a tighter job.

"Studs are never mortised and tenoned into either sill or head, being rightfully considered unnecessary, as nails hold them just as well. Door hanging is made easier by using loose-pin butts. Staircases are rarely made in the shop, but are built up on the job; this method takes longer, and is not so good a job when finished.

"The sash frames here have no back linings, for they are unnecessary, as on a frame house there is no mortar to contend with. They also have no inside linings, a wide casing being used instead of an architrave, which is nailed to the pulley stile on the inside edge and through the plaster into the studding on the outside edge. The usual way to put the sashcords in here is to cut them into lengths, thread them through the pulleys, and hang the weights before the inside casing is fixed, instead of taking out the pocket. This method causes some enterprising builders to omit cutting the pockets, which neglect causes trouble if a sashcord happens to break. In the smaller towns the sashes are very rarely hung at all, the top one generally being fixed and the bottom one having to be propped up with a stick to keep it open.

"Every carpenter here carries a steel square, although the majority do not know much about its uses, but use it for squaring off boards.

"The Canadian and American carpenters file their saws with the file pointing toward the point of the saw, instead of toward the handle, and the majority of Old Country carpenters adopt this method soon after they arrive in this country. I fail to see, however, that this is any better than the Old Country method, which I still practice."

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

BUILDING METHODS IN CANADA

Methods of doing building work vary in many respects in different parts of the world, and it is always a source of interest to note wherein the differences exist. A building mechanic in Vancouver, B. C., writing to a recent issue of a London paper, describes methods of doing work in his section, some of which may interest members of the craft on this side of the line. We therefore reprint his letter, as follows:

"I have often wondered, when looking at the plans of houses in the 'Illustrated Carpenter and Builder,' why British architects do not arrange the rooms on the ground floors more conveniently. There is no sense whatever in placing the kitchen in some obscure corner as if it were a thing to be despised; it should be placed next to the dining room, with a doorway leading straight from one to the other, so as to give those who carry the dishes to and from the dining room as little walking as possible.

"Here in Vancouver, although the exteriors

of the houses are sometimes poorly designed, the interiors, on the other hand, are generally conveniently arranged, the dining room being placed so that it can be easily entered from the kitchen.

"A scullery is considered unnecessary here, the sink being placed in the kitchen in small houses and in the pantry in larger houses. There are no coppers, the clothes being boiled in a wash boiler on the kitchen stove. The clothes are washed in the kitchen in the small houses, and in laundry tubs placed in the basement in the larger houses. The majority of the houses built now have a full-sized basement under the house, in which is placed a furnace for heating the house. A basement of this kind is a great benefit, for it keeps dry-rot from getting into the ground floor joists, besides being handy for a store room and workshop. There are very few houses built without a bath room.

"I have often thought what a great benefit to the building trade it would be if the men

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in This Field.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 1, 1915.—Sealed proposals will be opened in this office at 3 P. M., November 12, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at Salamanca, N. Y. Two-story-and-basement building, 4,800 square feet ground area; fireproof construction, brick facing, with terra cotta trimmings and stone base; composition roof. Drawings and specifications may be obtained from the custodian of site at Salamanca, N. Y., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

ARCHITECTS WOULD RESTORE "OLD CITY HALL" STRUCTURE.

Members of Philadelphia Chapter Will Ask Councils for Appropriation to Pay for Work.

With the work of improving the surroundings of Independence Hall ready to be started, probably within the next few weeks, the agitation for the restoration of the "Old City Hall" or "City Building," at the corner of Fifth and Chestnut streets, will be renewed by members of the Philadelphia Chapter, American Institute of Architects, originators of the plan.

As early as February, 1914, this proposition was broached by the chapter, when the members urged the Mayor and Councils to appropriate the necessary money. Nothing was accomplished, though an item for this purpose was included in a loan bill subsequently defeated. Feeling, however, that the time has come to make another effort, members of the chapter will use their influence to carry the project through, according to the secretary, Horace Wells Sellers.

Once more a request will be addressed to Councils, asking that an appropriation be made for the complete restoration of the structure to its original condition. To further this work, the chapter, through the Committee on Preservation of Historic Monuments, will offer its services gratuitously to the city, "to direct the necessary demolition, researches and preparation of drawings, and to supervise the work of construction under an agreement similar to that governing its services in connection with the restoration of Congress Hall," in the words of the first communication sent to George McCurdy, president of Common Council.

In speaking of the matter, Mr. Sellers, who also is secretary of the Special Committee, said the state into which the building has fallen, and which is growing worse all the time, has caused general regret, not only on the part of the members of the chapter, but among persons interested in historic landmarks. Aside from its interest as the oldest existing structure associated directly with the municipality, Mr. Sellers pointed out, the building is of national importance, as the home of the Supreme Court of the United States from its first session in 1791 after the court had been created. In addition, it was the home of the United States Circuit and District Courts during the period when this city was the seat of the National Government.

One of the details of the Independence Square improvements, the plans for which likewise were prepared by the Chapter Committee, is the erection of lampposts conforming as nearly to those in use in Colonial days as modern illumination permits. A great amount of research work was done by Mr. Sellers and other members of the committee.

MODERN ARCHITECTURE POPULAR AT PEKIN.

A dispatch from Pekin, China, states that Western styles of architecture have been making their appearance in government buildings in various parts of the city of Pekin in recent years, and because of the presence of enterprising German architects, the new government buildings which are going up generally have the high German roof. These buildings stand in contrast to the Chinese buildings, which are also conspicuous for heavy roofs, but of a totally different style.

There have been criticisms by those foreigners whose artistic temperaments do not permit them to appreciate the incongruity of architecture. The offense to them has now reached the climax, for a contractor who has been engaged in breaking new gates into Pekin's great wall has gone further and is altering the great loop holes for cannon in the pagodas at the Chien-Men, the front gate of Pekin, into windows with prominent European arches over them.

The old Manchu regime had its own fixed rules and regulations for architecture; the present government is adopting foreign styles with a rapidity that often causes remarkable, sometimes ludicrous, incongruities.

NEW YORK NOW HAS ARCHITECTS' LICENSE LAW.

A law was passed by the last Legislature of New York State covering the registration of all persons who engage in the practice of architecture. The provisions of the law are as follows:

All persons who were engaged in business "under the title of architect" before the law was passed can become registered

by presenting evidence to the board of examiners and by paying the required fee of \$25. All persons who come under this class must have been engaged in practice as a subordinate for two years before the date that the law went into effect or, if in practice for themselves or as members of reputable firms, they must have had one year's practice.

Applicants other than those already practicing must be at least 21 years old and of good moral character. They must have had at least two years' work in a reputable institution which gives a degree of bachelor of arts. If a course has been completed in architecture only three years of practical experience are required, otherwise five years are necessary.

Architects from States that have as high requirements for registration as New York, can be registered without examination.

The members of the board of examiners are appointed by the regents of the University of the State of New York. The following constitute the board at present: Arnold W. Brunner, 320 Fifth avenue, New York; D. Everett Waid, 1 Madison avenue, New York; William P. Bannister, Brooklyn; A. L. Brockway, Syracuse; and E. B. Green, Buffalo, N. Y.

Violation of this law is punished, for the first offense by a fine of not less than \$50 nor more than \$100, and for subsequent offenses by a fine of not less than \$200 nor more than \$500, or imprisonment for not more than one year, or both.

The question as to whether this law will interfere with designs made by structural engineers and builders will depend on how the enforcers of the law interpret the phrase "the practice of architecture."

GAIN IN REAL ESTATE OPERATIONS HERE.

Bradstreet's Shows Increase in This City Over Last Year of 16 Per Cent.

Reports to Bradstreet's Journal for the month of September (126 cities reporting thus early) show, as was to be expected, in view of the heavy shrinkage noted at this time a year ago, a very large increase—22 per cent. to be exact—in building expenditures for the ninth month of the year. This percentage of gain of course compares with a decrease of 33 per cent. in September, 1914, from September, 1913, but it should be noted that every group of cities, except the Far West, shares in the expansion in values noted in September, and also in the increases shown in the number of permits, which for the country as a whole show a gain of 15.2 per cent. over September a year ago. The gain of 15 per cent. in number and 22 per cent. in expenditure, it might be added, compares with a gain of 6 per cent. in permits and 14 per cent. in values in August this year, when the building tide definitely turned for the better, and with decreases of 8 and 14 per cent., respectively, in permits and values in July.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

James P. Farrell & Co.,
1619 Sansom st., Phila.

Gramham-Campion Co.,
Heed Bldg., Phila.

Mitchell Bros.,
2125 Race st., Phila.

Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,

131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planning.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Howard Ketcham, 3rd & Girard ave., Phila.

James E. Tague & Co.,
10th and Columbia ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon,
1355 Colwyn st., Phila., Pa.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineers.

Harry C. Eisenbach Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon,
1355 Colwyn st., Phila., Pa.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

Ceil Board.

The Philip Carey Co.,
13th and Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.
"Utility," Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip (o.
Geo. E. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

FOR RESULTS

Advertise in **THE BUILDERS' GUIDE**

Reaches Architects, Builders and Owners

A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit. Satisfaction guaranteed or money refunded.

Send for Book 58



receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.

THE STANDARD PAINT CO.

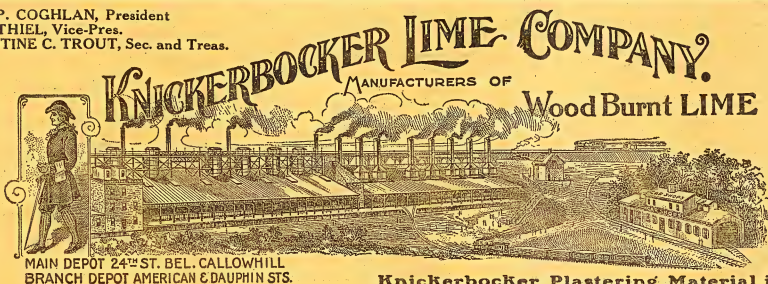
Woolworth Bldg., NEW YORK
Peoples Gas Bldg., CHICAGO
Beacon Building, BOSTON

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY
112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STRONGE MFG. CO.
221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention **THE BUILDERS' GUIDE**.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 42.

PHILADELPHIA, WEDNESDAY, OCTOBER 20, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924

Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street

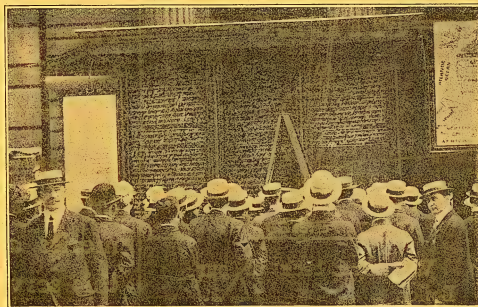
Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Courts, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

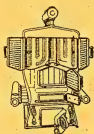
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.

== MILLS ==



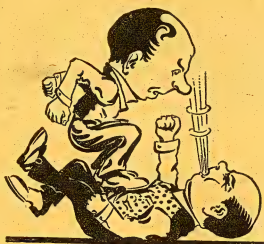
"Guarantee"

We stand back of our Boiler.

They will do everything we claim for them.

Send for information.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.
Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS
Shops, Rochester, Pa.

District Representative

JAMES G. MADDEN
1011 Franklin Bank Building

Bell Phone, Walnut 4344
Keystone Phone, Race 2718 Philadelphia, Pa.

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGGE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



“F-S” Products are impregnable in the war of sales competition.

When you specify “Ef-Es-Co” you protect your reputation with a defense that won't fail you. It gives metal or wood a dead-flat white finish that is smooth, washable and durable. It works like paint—looks like enamel. Besides pure white, it comes in various tints.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(118)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

Has your work ever been held up on account of slow delivery of BRICKS?

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

Complete line of Clay Products, including Face Bricks, Hard Bricks, Sewer Bricks, Flue Linings, Sewer Pipe, Roofing and Floor Tile.

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

ALTERATIONS

:

JOBGING

Bell, Spruce 4419

Keystone, Race 3210

The Standard Documents of the American Institute of Architects

The New Contract Documents of the American Institute of Architects are now on sale and replace the old Uniform Contract, which is to be discontinued

PRICES FOR SINGLE COPIES

Agreement and General Conditions in cover	 \$ 10
Bond of Suretyship	02
Form of Subcontract	02
Letter of Acceptance of Subcontractor's Proposal	01
Complete set in cover	15

Trial set delivered upon receipt of nine 2-cent stamps.

These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

F. WEBER & CO. Architects, Artists & Engineers Suppliers 1125 Chestnut St., Phila., Baltimore, Md., St. Louis, Mo.

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 42.

PHILADELPHIA, WEDNESDAY, OCTOBER 20, 1915

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hospital and Power House. Fifty-third and Cedar avenue, Philadelphia, \$200,000. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, The Misericordia Hospital, care of Sisters of Mercy, Merion, Pa. Brick, stone and steel and concrete, fireproof, 7 stories, 50x159 feet; power house, 1 story, promenade tile roof, concrete fireproofing, metal lath, tile and marble work (heating, plumbing, electric work and elevators reserved). Architects taking sub-bids on all lines, due October 19th.

Store Buildings (5), Broad and Louden sts., Philadelphia, \$3,000. Architect, Henry S. Schaefer, Heed Building, Philadelphia. Owner, Frank Flynn, 4939 North Broad street, Philadelphia. Brick, 1 story, 15x90 feet, slag roof, steam heating, electric lighting. Architect has received bids.

Sunday School, Allegheny avenue and F street. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Trinity Reformed Episcopal Church, Rev. Henry McCrea, 3229 Rorer street, Philadelphia. Stone and terra cotta, 2 stories, 80x101 feet, slag roof, metal lath, tile and marble work (heating, plumbing and electric work reserved). Architects taking bids, due October 20th. The following are figuring: A. Raymond Raff, 1635 Thompson street; William R. Dougherty, 1610 Sansom street; Specht & Sperry, Heed Building; R. C. Ballinger & Co., 218 North Thirteenth street; William R. Brown, 2145 East Fifth street; George W. Stewart, 2123 Germantown avenue; J. W. Mortimer, 3024 E street; Frank G. Stewart, 1619 Sansom street, all of Philadelphia.

Church, Fifty-eighth and Cobb's Creek Parkway, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Fourth Church of Christ Scientist. Frame, 1 story, 35x70 feet, composition roof, hot air heating, electric lighting. Architects have received revised bids.

Bumpers, Christian, Reed and Federal sts., Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Consists of furnishing materials and labor and the construction of concrete

bumpers. Owners taking bids, due October 25th at noon. Plans may be obtained at Room 607, Broad Street Station, Philadelphia.

Factory Building, Mascher and Westmoreland streets, Philadelphia. Architects, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Philadelphia Tapestry Mills, Front and Allegheny avenue, Philadelphia. Reinforced concrete, brick and steel, 5 stories, 60x244 feet, slag and tile roofs, steam heating, electric lighting, metal sash, elevators, iron stairs, reinforcing bars, fire doors. Builders, William Steele & Sons Co., 1600 Arch street, taking sub-bids, due October 20th.

Residences (21), Jasper and Wonsley streets, Philadelphia. Architect, private plans. Owner, John W. Mortimer, 2024 E street, Philadelphia. Brick, 2 stories, 15x57 feet, hot water heating, slag roof. Owner ready for sub-bids.

Residences (62) and **Stores** (2), Darien, between Lycoming and Hunting Park avenue, Philadelphia. Architect, private plans. Owner, Harry Brocklehurst, 512 West Norris st., Philadelphia. Brick, 2 stories, 16x40 feet, hot air heating, slag roof hardwood floors, tile bath. Owner ready for sub-bids.

Residences (17), and **Stores** (2), Cambria, Memphis and Tulip streets. Architect, Henry H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Louis Mittleman & Philip Robin, 2432 South Seventh street. Brick and stone, 2 stories, 15x40 feet and 60x16 feet, slag roof, hot water heating, electric lighting, parquetry floors, mica flint columns. Plans in progress.

Residences (25), Margaretta and Tacony streets, Philadelphia. Architect, J. E. Fieldstein, 210 Hale Building, Philadelphia. Owners, Solomon Bros., 824 Snyder avenue, Philadelphia. Brick, 2 stories, slag roof, hot air heating. Owners taking sub-bids.

Residences (16) Wynnewood avenue and Lebanon streets, Philadelphia. Architect, private plans. Owner, Percival W. Johnson, 4839 Lancaster avenue, Philadelphia. Stone and brick, 3 stories, 23x35 feet, steam heating, slate roof, tile bath rooms, hardwood floors.

Plans in progress. Owner will take sub-bids in one month.

Residences (50) Lawrence avenue, Fifty-eighth to Fifty-ninth street, Philadelphia. Architect, private plans. Owner, George F. Gibson, Jr., 5807 Pontridge street, Philadelphia. Brick, 2 stories, 16x56 feet, hot water heating, slag roof hardwood floors tile bath rooms. Plans completed. Owner ready for sub-bids.

Residences (120), Louden, Wyoming and Windrim streets, Philadelphia. Architect, private plans. Owners, Hart & Bailey, 729 Wingohocking avenue, Philadelphia. Brick, 2 stories, 16x45 feet, hot water heating, slag roof. Owner is taking sub-bids.

Garage, 3440-3448 Ludlow street, Philadelphia. Architect, Henry H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Frank Nardy Bros., 1227 Fitzwater street, Philadelphia. Brick, stone and steel, 2 stories, 56x120 feet, slag roof, steam heating, electric lighting, cement floor, elevator, oil storage system. Plans in progress.

Stable, 312 Moore street, Philadelphia. Architect, Henry H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, David Goldsmith, 312 Moore street, Philadelphia. Brick, stone and steel, 2 stories, 40x96 feet, slag roof, steam heating, electric lighting, concrete floor. Plans in progress.

Church (alt. and add.), Fifty-fifth street, north of Market street. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Bethany Baptist Church, on premises. Stone, 1 story and basement, 32x25 feet, addition, slate roof, new heating and electric lighting system. Architect is taking bids.

Church (alts.), Germantown avenue and Upsal street, Philadelphia. Architects, Hencock and Hokanson, Bailey Building, Philadelphia. Owners, Second Baptist Church, of Germantown, Rev. Charles H. Dodd, 48 East Upsal street. Consists of new kitchen and interior alterations, vapor vacuum heating. Plans in progress.

Factory Building, Twenty-ninth and Porter streets, Philadelphia, \$10,000. Architect, private plans. Owners, United Gas Improvement Co., Broad and Arch streets, Philadelphia.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

**BLUE
PRINTS**

KEYSTONE PHONE, MAIN 497

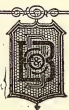
Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{2}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

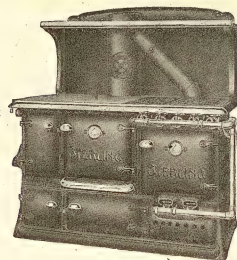
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Brick, steel and corrugated iron, 1 story, 25x 200 feet. Owners are sub-letting all contracts.

Store Building (alts.), 5202 Chestnut street, Philadelphia, \$2,500. Architect, J. E. Fieldstein, 210 Hale Building, Philadelphia. Owner, E. A. Duffy, 132 South Fifty-second street, Philadelphia. Brick, 2 stories, consists of new front and interior alterations, steam heating, electric lighting. Architect taking sub-bids.

Stable (alt. and add.), Thirty-fourth and Lancaster avenue, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Reinforced concrete and brick, 2 stories, metal sash, electric lighting, reinforcing bars. Architect taking bids, due October 19th. Cramp & Co., Denckla Building; Reinforced Concrete Steel Co., 1713 Sansom street; Monaghan & Losse, 214 South Twelfth street, are figuring.

Apartment House, Central Philadelphia. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Central Estates Corporation, care of architect. Brick, stone and steel, fireproof, 10 stories, 150x110 feet, composition roof, steam heating, electric lighting, tile and marble work, elevators and dumb waiters, metal lath, hardwood floors. Revised plans in progress.

Residence, Somerton, Philadelphia, \$7,500. Architect, Albert F. Schenck, Real Estate Building, Philadelphia. Owner, T. Scott Root, Somerton, Philadelphia. Brick and plaster or hollow tile, $2\frac{1}{2}$ stories, 27x35 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Architect taking additional bids, due October 22nd. Stacy Reeves & Sons, 2011 Market street, are figuring.

Store Building (alts.), 139-141 Market street, Philadelphia. Architects, Guy King & Edgar A. Wightman, 1513 Walnut street, Philadelphia. Owners, O. & B. Maguire, 141 Market street, Philadelphia. Brick, 4 stories, consists of new bulk windows and alterations to first floor, electric lighting (heating reserved). Architects taking bids, due October 21st. The following are figuring: John Kramer & Son, 1314 North Front street; A. P. Fraim, 319 Market street; Edward Fay & Son, 2 South Mole street; William R. Dougherty, 1610 Sansom street; Pomeroy Construction Co., 1609

Ranstead street; Philip Weber, 1326 North Fourth street, Philadelphia.

Bank Building, southwest corner Twelfth and Chestnut streets, \$200,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Beneficial Saving Fund Society, on premises. Stone and steel, fireproof, 1 story, 50x145 feet. Details not decided. Architect selected. Plans about to be started.

Library Building, McPherson Park, Philadelphia. Architects, Wilson Eyre & McIlvane, 1003 Spruce street, Philadelphia. Owner, Free Library of Philadelphia, John Thompson, Librarian, Thirteenth and Locust streets, Philadelphia. Brick and stone, 1 story, steam heating, electric lighting, tile and marble work. Plans about completed. Architects will soon take bids.

Bumpers, Christian, Reed and Federal streets, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owner, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Consists of 50 concrete bumpers, reinforcing bars. Owner taking bids due October 25th, at noon. The following are figuring: Barclay White Co., Perry Building; Cementite Paving & Construction Co., Drexel Building; John N. Gill & Co., Heed Building; American Paving & Construction Co., 252 South Ninth street; Manwaring & Cummins, Hale Building; Monaghan & Losse, 214 South Twelfth street; Brann & Stuart, Commercial Trust Building; Fred T. Buckius, Jr., Kensington avenue and Deal street, Philadelphia.

Residences (50) Eleventh and Courtland streets, Philadelphia. Architect, Private plans. Owner, John F. McGinty & Co., Twelfth and Wingohocking street, Philadelphia. Brick, 2 stories, 15x46 feet, slag roof, hot water heating. Plans in progress. Owners will take sub-bids in about two weeks.

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.

Are you a regular subscriber to "The Guide"?

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Warehouse (add.), 2715 North Broad street, Philadelphia. Architects, Moores & Dunford, Chicago, Ill. Owners, North Broad Safe Deposit and Storage Co., on premises. Reinforced concrete, brick and terra cotta, 6 stories, 32x120 feet, composition roof, reinforcing bars, metal sash, dampproofing, metal lath, marble and terrazzo work (electric work and heating reserved). Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Storage Building, Twenty-second and Allegheny avenue, Philadelphia, \$5,000. Architect, private plans. Owners, Westmoreland Chemical Co., on premises. Brick, 2 stories, 80x72 feet, slag roof. Contract awarded to R. J. Whiteside & Sons, 2115 Wallace street.

Garage, 46 Sedgwick street, Philadelphia, \$1,000. Architect, private plans. Owner, Mrs. L. Lovett, on premises. Brick, stone trimmings, 1½ stories, 25x22 feet, hot water heating, electric lighting, cement floors. Contract awarded to Stokes Bros., 6723 Musgrave street, Philadelphia.

Store Building (remodeling), 806 North Broad street, Philadelphia. Architect, Charles E. Oelschlagel, Harrison Building, Philadelphia. Owner, Robert C. McCreedy, 1735 Porter street, Philadelphia. Brick and terra cotta, 4 stories, slag roof, steam heating, electric lighting, elevator, metal lath, tile work. Contract awarded to I. T. Shoemaker 1309 Walnut street, Philadelphia.

Factory (alt. and add.), Butler and Sepviva streets, Philadelphia. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owner, Clement Restein Co., on premises. Brick, 1 story, 60x225 feet, slag roof, steam heating, electric lighting. Contract awarded to the George Kestler Contracting Co., Drexel Building, Philadelphia.

Home (add.), 315-17 South Third street, Philadelphia. \$9,400. Architect, M. Haupt, Drexel Building, Philadelphia. Owner, Jewish Sheltering Home, on premises. Brick and reinforced concrete, 2 stories, 19x65 feet, slag roof, hot water heating, metal lath, reinforcing bars (electric lighting, reserved). Contract awarded to Louis Swedloff, 2345 South Beulah street, Philadelphia.

Residences (7) and Garage, St. Martins, Philadelphia. Architect, E. B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Brick and plaster, 2½ stories, shingle roofs (heating, plumbing and electric work, separate bids). Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

Garage, Ninth and York streets, Philadelphia. \$3,000. Architect, private plans. Owner, Dr. Chas. T. Bryan, West Chester, Pa. Brick, 1 story, slag roof, electric lighting. Contract awarded to John E. James, 5317 North Front street, Philadelphia.

PENNSYLVANIA

Construction News

Residence, Allentown, Pa., \$15,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owner, Andrew L. Yeager, Allentown, Pa. Hollow tile, brick and stucco, 2½ stories, 48x54 feet, slate or tile roof, hot water heating, electric lighting, tile work, hardwood floors dampproofing. Architects have received bids.

Factory, West Reading, Pa., \$45,000. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owner W. A. Sharp, Reading, Pa. Brick, 4 stories, 150x133 feet; wing, 96x37 feet, slag roof, steam heating, electric lighting, metal sash, elevator. Plans in progress. Owner will take bids.

Garage and Service Building, Reading, Pa., \$6,000. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owner, George D. Lessig, Third and Spruce streets, Reading, Pa. Brick, 3 stories, 80x30 feet, slag roof, steam heating, electric lighting, elevator, gasoline pump and storage system. Plans completed. Architect ready for bids.

Warehouse, Reading, Pa. Architect, Henry

Mauer, Baer Building, Reading, Pa. Owners, G. H. Delp & Co., 12 South Eighth street, Reading, Pa. Reinforced concrete, brick, terra cotta and steel, 4 stories, 210x40 feet; wing, 40x57 feet, slag roof, steam heating, electric lighting, kalamein doors, metal lath, steel sash, waterproofing, rolling steel doors, enameled bricks, reinforcing bars, tile work (elevator reserved). Architect taking bids, due October 20th. The following are figuring: Charles H. Schlegel, Beard Construction Co., L. H. Focht & Son, W. A. Sharp, Daniel H. Hunter, all of Reading, Pa.; Pomeroy Construction Co., 1609 Ranstead street, Philadelphia; Adam Spatz, Wernersville, Pa.; John Lowry, Jr., 8 West 34th street, New York City.

Office Building (add.) and Garage, Third and Poplar streets, South Bethlehem, Pa. Architects and engineers, Graham, Burnham Co., 80 East Jackson Boulevard, Chicago, Ill. Owners, Bethlehem Steel Co., care of T. H. Blakely, manager, Bethlehem. Brick, steel, terra cotta and reinforced concrete, 5½ or 11

R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work
Flooring
Cabinet Work

O. M. WEBER CO., Inc.
North Wales, Pa.

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
SUPERSEDES PLASTER FOR
WALLS
AND CEILINGS

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts.

Gas Talks For Builders

A Cabinet Gas Range is now accepted as the standard type of Gas Range for the modern home.

Cabinet Ranges are manufactured in sizes ranging in width from 36 inches to 60 inches, and may be had in various combinations of equipment and capacity.

Let us co-operate with you as to space for installation. Call upon the "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

THE FAIRBANKS CO. PHILADELPHIA

VALVES AND SCALES

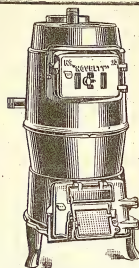
stories, 145x155 feet; garage, 1 story, 123x135 feet; slag roof, steam heating, electric lighting, marble work, hardwood floors, tile work. Owners have received bids.

Foundry, Yardley, Pa. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y. Brick, stone and steel, fireproof, 1 story, 111x75 feet, slag roof, elevator, steel sash (steam heating, electric work and sprinkler reserved). Architects taking bids, due October 22nd. The following are figuring: John N. Gill Co., Heed Building; Stacy Reeves & Son, 2011 Market street; Philip Halbach Contracting Co., Twenty-sixth and Thompson streets, Philadelphia.

Drug Store (alts.), Lancaster, Pa. Architects, private plans. Owners, Riker-Hegerman Co., 340 West Fourth avenue, New York City. Consists of new front and interior alterations, mosaic floors (electric work reserved). Owners have received bids.

Farmhouse (alt. and add.), Doylestown, Pa., \$5,000. Architects, Martin & Kirkpatrick, 130 S. 15th street, Philadelphia. Owner, H. A. De La R. Wiegand, Essex Apartments, Philadelphia. Stone, 2 stories, 23x30 feet; wing 14x32 feet, tin roof, hot water heating. Architects ready for bids.

Residence, Hazleton, Pa., \$9,000. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, James Lee Pardee, Hazleton, Pa. Hollow tile and



"NOVELTY REMINDERS"

The "Novelty" Tank Heater

Has more distinctive features than any similar appliance and will produce maximum results with low fuel consumption

The demand for Tank Heaters is large and one installed in your houses will add to their value.

Why not have the best?—"The Novelty"

Manufactured in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

plaster, 2½ stories, shingle roof, hot water heating, electric lighting. Plans in progress. Architects will take bids in about ten days.

Power House, Dorranceton, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., Hazleton, Pa. Brick and concrete, 1 story, composition roof. Architects taking bids, due October 25th. Shepherd Const. Co., Wilkes-Barre, Pa., and the United Fireproofing Co., 113 Broadway, New York City, are figuring.

Residence, Radnor, Pa. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, C. McCadwalder, Radnor, Pa. Hollow tile and plaster, 2½ stories, 42x56 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans completed. Architect taking bids.

Residence (alt. and add.), Wynnewood, Pa. Architect, Alex. M. Adams, 1012 Walnut street, Philadelphia. Owner, Gideon Boerick, Merion, Pa. Stone, frame and plaster, 2½ stories, slate roof, reinforcing bars, oak floors, tile work, waterproofing, metal lath (heating, plumbing and electric work reserved). Architect taking bids, due October 21st. The following are figuring: F. B. Davis, 240 North Sixteenth street; F. T. Mercer Co., 1706 Delancey street; F. E. Wallace, 1220 Chancellor street; Charles C. Pace, Merion, Pa.; Mowrer Bros., Merion, Pa.; Milton W. Young, Overbrook, Philadelphia.

Garage and Farm Building, Berwyn, Pa. Architect, Herbert J. Wetherill, 328 Chestnut street, Philadelphia. Owner, Dr. George C. Stout, Berwyn, Pa. Hollow tile and plaster, 2 stories, 30x60 feet, shingle roof, hot water heating, electric lighting, gasoline pump and storage system. Architect taking bids, due October 20th. The following are figuring: Thomas M. Seeds, 1207 Race street; H. E. Batton, Twelfth and Sansom streets; F. B. Davis, 240 North Sixteenth street, Philadelphia; Gray Bros., Rosemont, Pa.; Alfred James, Bala, Pa.; Charles Z. Jones, Berwyn, Pa.

Residence (alt. and add.), Penllyn, Pa. Architect, William Wayne, Jr., 311 South Hicks street, Philadelphia. Owner, George W. Norris, Bellevue Court Building, Philadelphia.

Hollow tile and plaster, 2½ stories, shingle roof, oak floors, hot air heating, electric lighting. Architect taking bids, due October 20th. In addition to those previously reported, F. L. Hoover & Sons, 1023 Cherry street, and George W. Frankensfield, Ambler, Pa., are figuring.

Church, Drexel Hill, Pa. Architects, Hancock & Hakanson, Bailey Building, Philadelphia. Owners, Drexel Hill Presbyterian Church, Drexel Hill, Pa. Stone, 1 story, 98x47 feet and 20x20 feet, composition roof. Architects taking bids, due October 19th, on basement only. The following are figuring: Wilbert Beaumont, Stephen Girard Building; Harry Davis, 5100 Westminster avenue; Barclay White Co., Perry Building, Philadelphia; H. W. Koch, Drexel Hill, Pa.; James Booth, Garrettford, Pa.; Howard Roberts, Garrettford, Pa.; William Anderson, Garrettford, Pa.

Residence, Swarthmore, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Samuel C. Palmer, Swarthmore, Pa. Stone, 2½ stories, 61x32 feet, shingle roof (heating, plumbing and electric work, will be reserved by architect). Plans in progress.

Garage and Farm Buildings, Berwyn, Pa. Architect, Herbert J. Wetherill, 328 Chestnut street, Philadelphia. Owner, Dr. George C. Stout, Berwyn, Pa. Hollow tile and plaster, 2 stories, 30x60 feet, shingle roof, hot water heating, electric lighting, gasoline pump and storage system. Architect taking bids, due October 20th. In addition to those previously reported, W. H. Parlamam, Devon, Pa., and J. D. Lengel, Wayne, Pa., are figuring.

Residence, Radnor, Pa. Architect, Louis Rush, 130 South Fifteenth street, Philadelphia. Owner, C. McC. Carwalader, Radnor, Pa. Hollow tile and plaster, 2½ stories, 42x56 feet, slate roof (hot water heating, electric lighting and plumbing, reserved). Architect taking bids due October 26th. The following are figuring: James H. Wells, Heed Building; Jas. B. Flounders, 1329 Arch street; M. N. Croll, Radnor, Pa.; J. M. Rossiter, Radnor, Pa.; J. D. Lengel, Wayne, Pa.

PENNSYLVANIA

Contracts Awarded

Residence (alt. and add.), Langhorne, Pa. Architect, H. G. McMurtrie, 1012 Walnut st., Philadelphia. Owner, John M. Patterson, Langhorne, Pa. Stone, 2 stories, 30x40 feet, shingle roof, hot water heating, hardwood floors. Contract awarded to Joseph T. Taylor, Langhorne, Pa.

Ice Cream Factory, Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, William S. Markley, Pottstown, Pa. Brick, concrete floors, 2 stories, 60x100 feet, slag roof, electric lighting, elevator. Contract awarded to F. H. Keiser & Co., Pottstown, Pa.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

NEW JERSEY

Construction News

School, Paulsboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Paulsboro, N. J. Brick, limestone trimmings, 2 stories 30x100 feet, slate roof, metal lath, kalamein doors, slate blackboards, dampproofing, concrete floors, reinforcing bars, safety treads (heating, plumbing and electric work separate bids). Owners have received bids.

Sunday School Building, Camden, N. J., \$30,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, State Street M. E. Church, Rev. George Johnson, Sixth and State streets, Camden, N. J. Stone, 2 stories, slate roof, steam heating, electric lighting. Owners taking bids, due October 25th. The following are figuring: E. E. Hollenback, Fifteenth and Race streets, Philadelphia; Thomas C. Traford, 1613 Sanson street, Philadelphia; J. W. Draper, 436 Haddon avenue, Camden, N. J.; George Bachmann, 19 North Thirtieth street, Camden, N. J.; William Wrifford, 525 Market street, Camden, N. J.

Dormitory Building, Pine Valley, N. J. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Pine Valley Golf Club, Pine Valley, N. J. Brick, hollow tile and plaster, 2½ stories, 76x42 feet, shingle and slag roof, canvas floors (heating, plumbing, electric work and tile work reserved). Architect taking bids, due October 21st. The following are figuring: E. J. Kreitzburg, 1345 Arch street; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia; Milton Young, Overbrook; Specht & Sperry, Heed Building, Philadelphia; George L. Croll, Rosemont, Pa.

High School, Wildwood, N. J., \$75,000. Architect, Clyde S. Adams, 1309 Arch street, Philadelphia. Owners, Board of Education, W. C. Todd, secretary, Wildwood, N. J. Brick, concrete floors, 2 stories, 118x136 feet, asbestos or slag roof, safety treads, metal lath, kalamein doors, slate blackboards (heating, plumbing and electric work separate bids). Lowest bid submitted by Richman Const. Co., Moorestown, N. J.

Church and Sunday School, Camden, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Parkside Baptist Church, care of Benjamin Fowler, Haddonfield, N. J. Stone, 1 story, 79x71 feet, slag roof, vapor vacuum heating, electric light-

ing. Owners taking bids on foundations and first story, due October 22nd. The following are figuring: J. W. Draper, 436 Haddon avenue; George Bachman, 19 North Thirtieth street; William Wrifford, 525 Market street; Frank Turner, 828 Broadway, all of Camden, N. J., and Richman Construction Co., Moorestown, N. J.

High School, Pleasantville, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Education, care of Webster Price, Pleasantville, N. J. Brick, stone trimmings, 2 stories, 104x110 feet, slag roof, iron stairs, safety treads, dampproofing, kalamein doors, metal lath, slate blackboards (heating, plumbing and electric work separate bids). Owners taking revised bids, due October 26th.

Bungalow, entnor, N. J., \$3,000. Architect, William Shull, Guarantee Trust Building, Atlantic City, N. J. Owner, George C. J. Fleck, 44 North Fifth street, Philadelphia. Frame, 2 stories, 25x42 feet, slate roof, electric lighting, tile work (heating and plumbing reserved by owner). Architect has received bids.

Residences (25), Haskell, N. J. Architect, private plans. Owners, DuPont Powder Co., Wilmington, Del. Brick and frame, 2 stories, 26x26 feet each, ready roofing, gas lighting. Owners taking bids, due October 29th. J. V. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J., are figuring.

Residence and Garage, Atlantic City, N. J., \$15,000. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, Walter H. Orr, Trenton, N. J. Brick, hollow tile and frame. 2½ stories, 26x38 feet; garage, 1 story, 13x20 feet, slate roofs, hot water heating, electric lighting, tile work. Architect taking sub-bids.

Residence, Atlantic City, N. J., \$8,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City, N. J. Owner, Edward Donnelly, Atlantic City, N. J. Brick, 2½ stories, 26x28 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Owner will sub-let all contracts.

Residence, Bakery and Garage, Trenton, N. J. Architect, R. A. Schumann, 932 Lambert street, Trenton, N. J. Owner, Leonhardt H. Dietrich, Emery and Anderson streets, Trenton. Brick, stone trimmings, 3 stories, 40x49 feet, slate roof, hot water



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your
Roof Leak?

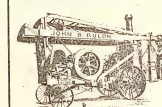
Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

**WELLS DRILLED**

Test Borings

Ask for Prices

JOHN B. RULON

1355 Colwyn Street

Philadelphia, Pa.

heating, electric lighting, tile work, metal lath, metal ceilings, concrete hardened. Plans completed. Architect ready for bids.

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building
Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia
Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

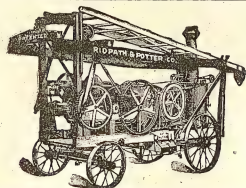
THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
- PHILADELPHIA, PA.



Residence, Trenton, N. J. Architect, Private plans. Owner, Luther W. Temple, Trenton, N. J. Frame and shingles, 2½ stories, 25x33 feet, slate roof, hot water heating, electric lighting, tile work. Owner is sub-letting all contracts.

Morgue and Laboratory, Morris Plains, N. J. \$10,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, New Jersey State Hospital for Insane, Morris Plains, N. J. Owners, Blakely Bros., Camden, N. J. Brick, stone trimmings, 3 stories, 30x45 feet, quarry tile roof, com-



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

position floors, dampproofing and waterproofing (heating, plumbing and electric work, separate bids). Owner taking bids due October 29th. The following are figuring: M. Byrnes Building Co., Elizabeth, N. J.; Butz & Clader, Allentown, Pa.; Geo. B. Wills Co., 101 Park avenue, New York City; Henry Wolf, 318 Elm street, Newark, N. J.; Sturgis Bros., Morristown, N. J.; Fred Kilgus, 13 South Sixth street, Newark, N. J.; R. W. Witham & Co., Dover, N. J.

Store and Residence, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, name withheld. Brick, 2½ stories, 22x46 feet, slate roof, electric lighting, heating, not decided. Revised plans in progress.

Power Plant, Vineland, N. J. \$30,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, Home for Feeble-minded Women, care Dr. Madeline Halliwell, Vineland, N. J. Brick, 1 story, 56x64 feet, slag roof, concrete floors (steam heating, electric lighting and plumbing, separate bids). Owner taking bids due October 22nd at 2 P. M. In addition to those previously reported, H. H. Hankins & Bro., Bridgeton, N. J., R. C. Ballinger & Co., 218 North Thirteenth street; McCloskey & Bahl, Hale Building, Philadelphia, are figuring.

Town Hall, Swedesboro, N. J. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Borough of Swedesboro, Harry A. Black, Mayor, Swedesboro, N. J. Brick, stone trimmings, 2 stories, 40x60 feet, wing 15x20 feet, slate roof (plumbing, heating and electric work, separate bids). Lowest bid submitted by Richmond Construction Co., Moorestown, N. J.

Business Building, 532 and 534 Federal street, Camden, N. J. \$12,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Blakely Bros., Camden, N. J. Brick, stone trimmings, 3 stories, 35x93 feet, slag roof, steam heating,

electric lighting, metal lath. Plans in progress.

Factory add., 32 and 34 Penn street, Camden, N. J. \$5,000. Architect, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Strandwitz & Scott, on premises. Brick, 1 story, 40x45 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence, Camden, N. J. \$6,000. Architect, Charles J. Brooke, 518 Federal street, Camden, N. J. Owner, Ruben Pinsky, Park Boulevard, Camden, N. J. Brick, 2 stories, 18x64 feet, tile and slag roof, hot water heating, electric lighting, parquetry floors, tile work. Owner taking bids due October 21st. Wm. Wirtford, 525 Market street, Camden, N. J., is figuring.

Inebic Building, Vineland, N. J. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, Home for Feeble-minded Women, care Dr. Madeline Halliwell, Superintendent, Vineland, N. J. Brick, 2 stories, 120x50 feet, metal lath, waterproofing and dampproofing, composition floors, slag roof (steam heating, electric work and plumbing, separate bids). Owner taking bids due October 22nd at 2 P. M. In addition to those previously reported, H. H. Hankins & Bro., Bridgeton, N. J.; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia, and McCloskey & Bahl, Hale Building, Philadelphia, are figuring.

Dining Service Building, Vineland, N. J. \$50,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, Home for Feeble-minded Women, care Dr. Madeline Halliwell, Vineland, N. J. Brick, 1 story, 150x192 feet, composition floors (steam heating, electric lighting and plumbing, separate bids). Owner taking bids due October 22nd at 2 P. M. In addition to those previously reported, H. H. Hankins & Bro., Bridgeton, N. J., R. C. Ballinger & Co., 218 North Thirteenth street, and McCloskey & Bahl, Hale Building, Philadelphia, are figuring.

NEW JERSEY

Contracts Awarded

Pier, Greenville, N. J. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Wood piles, concrete and timber, 200x1,000 feet.

Contract awarded to O'Rourke Eng. & Const. Co., 17 Battery Place, New York City.

Apartment House, Atlantic City, N. J., \$20,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner,

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

R. A. Johnson, Atlantic City, N. J. Brick, 2 stories, 65x100 feet, slag roof, steam heating, electric lighting, tile work. Contract awarded to Harry G. Scull, Sheen Building, Atlantic City.

Garage, Atlantic City, N. J., \$2,000. Architect, William Shull, Guarantee Trust Building, Atlantic City. Owner, David Nassano, Atlantic City, N. J. Brick and frame, 2 stories, 25x28 feet, slag and slate roof, hot water heating, electric lighting, cement floors. Contract awarded to Philip G. Hannum, 16 North Georgia avenue, Atlantic City, N. J.

Residence and Garage, Ventnor, N. J., \$10,000. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owner, M. Mrs. Elizabeth O'Grady Doughty, Atlantic City, N. J. Brick, 2½ stories, 38x40 feet, slate roof, vapor heating, electric lighting, hardwood floors, tile work. Contract awarded to W. B. Porch, Sheen Building, Atlantic City, N. J.

Garage, Atlantic City, N. J., \$2,000. Architect, William Shull, Guarantee Trust Building, Atlantic City, N. J. Owner, Mrs. J. H. Corcoran, Atlantic City, N. J. Brick and stucco, 1½ stories, 25x28 feet, slate roof, hot water

heating, electric lighting, cement floors, gasoline storage tank. Contract awarded to Charles D. Thompson, Guarantee Trust Building, Atlantic City, N. J.

Club House, Beach Haven, N. J., \$5,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner, Little Egg Harbor Yacht Club, Beach Haven, N. J. Frame and stucco, 2½ stories, 30x50 feet, shingle roof, electric lighting. Contract awarded to Wm. L. Butler, Beach Haven, N. J.

Work Shop (add.), Morris Plains, N. J. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, New Jersey State Hospital for Insane, Morris Plains, N. J. Brick, 2 stories, 30x35 feet, slag roof (steam heating, plumbing and electric work, separate bids). Contract awarded to J. J. Lyons, Morristown, N. J.

Factory (add.), Trenton, N. J. Architect, private plans. Owner, United & Globe Rubber Mfg. Co., Prospect street, Trenton, Brick, 3 stories, 121x85 feet, slag roof, steam heating, electric lighting. Contract awarded to Burton & Burton, American Mechanics Building, Trenton, N. J.

Calvert street; American Wrecking Co., 1921 West Lombard street; M. Ziegler, 625 West Hamburg street, all of Baltimore.

Marine Hospital (alts.), Baltimore, Md. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government (Marine Hospital), Washington, D. C. Hollow tile, mill work, electric work, plumbing, tile work. Owners taking bids, due October 25th. The following are figuring: Singer-Pentz Co., Equitable Building; M. C. Davis, 635 North Calvert street; J. L. Robinson Const. Co., Knickerbocker Building; Monmonier & Sorrell, 1711 McCulloh street; J. J. Maylan, 117 East Centre street; Henry S. Rippel, 7 Clay street; Thomas Mullan, 4001 Greenmont avenue, all of Baltimore.

Garage, East and Eusor streets, Baltimore, Md., \$5,000. Architect, private plans. Owner, Charles H. T. Peters, 716 East West avenue, Baltimore, Brick and frame, 1½ stories, shingle roof, electric lighting. Owner is taking bids.

Residences (36), North Robinson street, Baltimore, \$50,000. Architect, private plans. Owners, E. J. Gallagher Realty Co., Munsey Building, Baltimore. Brick, 2 stories, 13x50 feet each, slag roofs. Owners taking sub-bids.

Residences (17), Poplar Grove and Presbury streets, Baltimore. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owner, F. H. Schley, 1728 Asburton avenue, Baltimore. Brick, 2 stories, 14x44 feet each, slag roof, steam heating. Builder, S. Linthicum, Jr., 217 St. Paul street, taking sub-bids.

Residence, Elkridge, Md. Architect, A. Worthington, Elkridge, Md. Owner, S. S. Murray, 631 Munsey Building, Baltimore, Md. Brick, 2½ stories. Details not decided. Plans in progress.

Miscellaneous Construction News

Dormitory Building, Athens, Ohio. Architect, Frank L. Packard, Hayden Building, Columbus, Ohio. Owners, Ohio University, Athens, Ohio. Brick, steel and concrete, fireproof, 3 stories, 83x100 feet, slate roof, steam heating, electric lighting, reinforcing bars, tile and terrazzo work. Owners taking bids, due October 30th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring, in addition to those previously reported.

Passenger Station, Canton, Ohio. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore, Md. Brick, stone trimmings, 1 story, 40x70 feet, tile roof, safety treads, dampproofing, metal lath, steam heating, tile work (electric work reserved). Owners taking bids, due October 25th at noon. Roydhouse-Arey Co., Fidelity Building, Philadelphia, is figuring.

College Buildings, Wilberforce, Ohio. Architect, Frank L. Packard, Hayden Building, Columbus, Ohio. Owners, Wilberforce University, Wilberforce, Ohio. Brick, stone, concrete and steel, fireproof; gymnasium building, 1 story, 146x89 feet; recitation building, 3 stories, 122x75 feet; slate and slag roofs, glazed bricks, metal lath, dampproofing, steam heating, electric lighting, reinforcing bars. Owners taking bids, due October 30th. Henry L. Brown, 1714 Sansom street, and James H. Wells, Heed Building, Philadelphia, are figuring.

Y. M. C. A. Building, Danville, Va. Architects, Shattuck & Hussey, 19 South La Salle street, Chicago, Ill. Owners, River-

side and Dan River Cotton Mills, Danville, Va. Brick and hollow tile, 1 and 2 stories, 170x113 feet, asphalt shingle roof, steam heating, electric lighting, marble and mosaic work, reinforcing bars, waterproofing, metal lath. Architects taking bids due November 1st. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Miscellaneous Contracts Awarded

Baking Plant, Stable and Power House, Wilmington, Del., \$100,000. Architects, Puekert & Wunder, 310 Chestnut st., Philadelphia. Owners, William Freihofor Baking Co., Twentieth and Indiana avenue, Philadelphia. Brick, terra cotta, steel and concrete, 1 and 2 stories; coal storage plant, 26x137 feet, slag roof, cut stone trimmings (electric work, heating, etc., reserved). Contract awarded to Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

Factory and Store House, Wilmington, Del. Architects, Brown & Whiteside DuPont Building, Wilmington, Del. Owners, Electric Hose and Rubber Co., Wilmington, Del. Brick and steel, 1 story, 30x250 feet, slag roof, steel sash, electric lighting, wood or concrete pile foundations. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

MARYLAND

Construction News

Garage and Warehouse, 310 North Gay street, Baltimore. Architect, John Freund, Jr., Hoffman Building, Baltimore. Owners, City Baking Co., Equitable Building. Brick, 3 stories, 74x100 feet, slag roof, steam heating, electric lighting. Architect taking bids, due October 25th. The following are figuring: C. L. Stockhausen & Co., Marine Bank Building; R. B. Mason, 308 West Madison street; G. W. Tovell, Eutaw and McCulloh streets; Bennett Building Co., 123 South How-

ard street; Edward Watters & Co., 509 North Charles street; C. E. Stubbs, The Wentworth; Sonsolidated Engineering Co., Calvert Building, all of Baltimore.

Warehouse, Central avenue, near Gough street, Baltimore, Md. Architect, private plans. Owners, H. Klaff & Co., 428 East Saratoga street, Baltimore. Brick, 3 stories, 40x100 feet, slag roof. Owners taking bids. The following are figuring: R. B. Mason, 308 West Madison street; M. C. Davis, 635 North

Banking Room and Apartments (alts.), 2001 Edmondson Terrace, Baltimore. Architect, private plans. Owners, Edmondson Progressive Building Association, Robert Stevens secretary, Baltimore. Brick, 3 stories, steam heating, electric lighting. Contract awarded to W. N. Hilderbrand, 112 North Payson street, Baltimore, Md.

Post Office (alts.), Baltimore, Md., \$6,876. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Contract awarded to Fred Decker & Son, 1209 East Biddle street, Baltimore.

Hotel, Eastern avenue, near Liberty Park, Baltimore. Architect, private plans. Owner, John Lowry, on premises. Frame, 2 stories, 42x72 feet, slate roof, steam heating, electric lighting. Contract awarded to A. F. West, 15 East Fayette street, Baltimore, who is taking sub-bids.

Residences (6), Falls road, Baltimore, Md. Architect, A. H. Potts, Baltimore, Md. Owner, Dr. Harry Naylor, 3818 Roland avenue, Baltimore. Brick, 2 stories, 14x54 feet each, slag roof, steam heating, electric lighting. Contract awarded to Potts & Robert, 901 Cold Spring lane, Baltimore.

Garage, 1104 West Thirty-sixth street, Baltimore. Architect, private plans. Owner, Daniel Shipley, 1021 West Thirty-sixth street, Baltimore. Brick, 2 stories, 40x56 feet, tin roof, steam heating, electric lighting. Contract awarded to Potts & Robert, 901 Cold Spring lane, Baltimore.

Residence, Belonna avenue and Charles street, Baltimore. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owner, George Gunther, Gunther Building, Baltimore. Frame, 2½ stories, 62x128 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors. Contract awarded to West Construction Co., Knickerbocker Building, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Burton C. Simon (O), Nineteenth and Passyunk avenue. Harry V. Williams (C), 2334 South Twentieth street. Cost, \$120,000. Eighty-four dwellings, brick, 2 stories, 14x35 feet, Ringold and Moore streets.

John Waters (O), 4937 North Fairhill street. William Schmitt (C), 4936 North Fairhill street. Cost, \$3,000. Dwelling, brick and stone, 2 stories, 16x42 feet, Sentner and G streets.

Elizabeth & George R. Osborne (O), 5017 Duffield street. Cost, \$16,200. Ten dwellings, brick and frame, 2 stories, 15x35 feet, Cottage and Wakeling streets.

Meyer Singer (O), 7811 Bartram street. Cost, \$20,600. Twelve dwellings, brick, 2 stories, 15x48 feet, Fifth and Shunk streets.

Harry Brocklehurst (O), 512 West Norris street. Cost, \$128,000. Sixty-four dwellings, brick and stone, 2 stories, 15x32 feet, Darien street, West, 4102-4160; Darien street, East, 4103-4161.

Mary H. Mouce (O), Overbrook. Kohl & Megargee (C), 124 East Gorgas lane. Cost, \$25,900. Dwelling, stone, 3 stories, 62x55 feet, Martins lane and Southampton street.

Felton Sibley Co., Inc. (O), Fourth and Cherry streets. Frank G. Stewart Co. (C), 1619 Sanson street. Cost, \$45,000. Factory, brick, 6 stories, 39x68 feet, Fourth and Cherry streets.

Robert Krook (O), Main street. Peuckert & Wunder (C), 310 Chestnut street. Cost, \$8,000. Warehouse, brick, 2 stories, 130x62 feet, Main street and Walnut lane.

Halsey C. M. E. Church (O), Hunting Park and Germantown avenues. D. G. Trent (C), 2051 Master street. Cost, \$2,285. Dwelling, brick, 3 stories, 18x24 feet, Hennis and Germantown avenue.

Henry P. Schneider (O), 3713 Old York road. Cost, \$3,000. Store and dwelling, brick, 3 stories, 16x52 feet, 4562 North Thirteenth street.

C. West & Co. (O), Harrison and Horrocks streets. Cost, \$8,400. Two dwellings, brick, 3 stories, 16x48 feet, 201-03 Harrison street.

Rush Bros. (O), 1100 Filmore street. Cost, \$3,000. Dwelling, brick, 2 stories, 16x47 feet, 1123 Horbet street.

Westmoreland Chemical Co. (O) Twenty-second and Allegheny avenue. R. J. Whiteside & Sons (C), 2115 Wallace street. Cost, \$5,000. Storage, brick, 2 stories, 80x72 feet, Twenty-second and Allegheny avenue.

John W. Mortimer (O), 3024 E street. Cost, \$18,000. Twelve dwellings, stone and brick, 2 stories, 15x51 feet, 1912-34 Wensley street.

George M. Robinson (O), 515 Conarroe street. Cost, \$2,200. Dwelling, brick, 2 stories, 16x47 feet, Hermatine and Lawnton streets.

William B. Woods (O), 713 West Allegheny avenue. Cost, \$5,000. Garage and dwelling, brick, 2 stories, 32x94 feet, Ninth and Cayuga streets.

U. G. I. (O), Broad and Arch streets. Cost, \$10,000. Building, brick and corrugated steel, 1 story, 25x200 feet, Twenty-ninth and Porter streets.

\$3,000. Gymnasium, Twenty-sixth and Tasker streets.

Mrs. L. Lovett (O), 46 Sedgwick street. Stokes Bros. (C), 6723 Musgrave street. Cost, \$1,100. Garage, Chew and Sedgwick streets.

J. H. Shumacker & Co. (O), 4619 Frankford avenue. P. M. Sax (C), Heed Building. Cost, \$800. Steel tower, 4819 Frankford avenue.

Elizabeth Brown (O), 6442 Rising Sun avenue. R. A. Ewing & Sons (C), 835 Gilhorn street. Cost, \$1,400. Store and dwelling, 6442 Rising Sun avenue.

Berg Bros. (O), Tenth and Market streets. P. M. Sax (C), 812 Heed Building. Cost, \$20,000. Department store, Tenth and Market streets.

Dr. M. I. Hays (O), 266 South Twenty-first street. William R. Dougherty (C), 1610 Sanson street. Cost, \$1,200. Dwelling, 266 South Twenty-first street.

Charles Elbonhead (O), 314 South Front street. Henry C. Dahl (C), 231 South Eighth street. Cost, \$400. Building, 106 Spruce street.

John Garoley (O), 6129 Nassau street. H. P. Johnson (C), 4039 Lancaster avenue. Cost, \$600. Garage, 6129 Nassau street.

John Armstrong (O), southeast corner of Broad and South streets. Harry Milner (C), 427 Catherine street. Cost, \$800. Dwelling, 2726 Girard avenue.

C. E. Lloyd, Jr. (O), Eighth and Sixty-sixth avenue, Oak Lane. Cost, \$2,000. Store and dwelling, Eighth and Oak Lane avenue.

A. G. Badger (O), 916 Cherry street. Thomas Little & Sons (C), 1713 Moravian street. Cost, \$1,700. Warehouse, 916 Cherry street.

The Delta Spinning Mills (O), Lewis and Ashland streets. Cost, \$2,400. Storage, Lewis and Ashland streets.

Duffy Mulvihill (O), 601 South Fifty-fifth street. Fred Sabin Co. (C), 237 Broad street. Cost, \$600. Store and dwelling, 601 South Fifty-fifth street.

Thomas Turner (O), 3441 York road. Fred Sabin Co. (C), 236 Broad street. Cost, \$450. Dwelling, 3441 York road.

George Zimmerman (O), Fairhill and Rockland streets. C. Dear & Co. (C), 219 Northeast Boulevard. Cost, \$500. Dwelling, Fairhill and Rockland streets.

Samuel Davis (O), 2642 Cabot street. M. McGlathey (C), 2306 North Twenty-sixth street. Cost, \$525. Dwelling, 2640 Cabot street.

C. Pyrol (O), 1400 North Fifty-second street. W. E. Powers (C), 5467 Delancey street. Cost, \$450. Store and dwelling, 1400 North Fifty-second street.

Samuel Harmer (O), 5528 Sprague street. W. G. Krewson (C), Forest and Johnson sts. Cost, \$600. Dwelling, 5528 Sprague street.

W. B. Levis (O), 1730 Market street. Smith-Hardican Co. (C), 1608 Cherry street. Cost, \$5,000. Store, 1528 Market street.

Thomas Henry & Sons Co. (O), Tioga and Trenton avenue. Robert Beatty & Bro. (C), 2321 East Fletcher street. Cost, \$1,500. Power house, Tioga and Trenton avenue.

John S. Bush (O), 3368 Jasper street. Robert Beatty & Bro. (C), 2321 East Fletcher street. Cost, \$850. Dwelling, 3368 Jasper street.

F. J. McGlone (O), 2824 Wharton street. F. P. Dillon (C), 1223 South Twentieth street. Cost, \$800. Store and dwelling, 2826 Wharton street.

Dr. L. B. Tatum (O), 4620 Cedar avenue. J. J. Richards Co. (C), 136 North Eighth street. Cost, \$900. Offices, 4620 Cedar avenue.

A. L. Schaeffer (O), Fifteenth and Allegheny avenue. Seidman & Getz (C), 1312 North Sixth street. Cost, \$1,400. Store and dwelling, Seventeenth and Norris streets.

Bell Telephone Co. (O), Thirteenth and Arch streets. West End Heating and Ventilating Co. (C), 4641 Locust street. Cost, \$2,245. Apartment House, Broad and Spruce streets.

Mary H. Mouce (O), Overbrook, Philadelphia. Kohl & Megargee (C), 124 East Gorgas lane. Cost, \$3,600. Garage, Martins lane and Southampton streets.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

The man who is "going to do some advertising next year—maybe" gets his advertising in the end in the shape of an obituary.

The chap who bags the glittering prize
Is the fellow who learns to advertise.

Alterations and Additions

C. B. Prettyman (O), 762 South Broad street. H. D. Prettyman (C), 2603 South Broad street. Cost, \$400. Wagon shed, 1735 South Twentieth street.

Mrs. M. P. Chambers (O), City Line and Overbrook avenue. F. B. Davis (C), 240 North Sixteenth street. Cost, \$2,700. Garage, Sixty-third and City Line.

Halsey C. M. E. Church (O), Hunting Park and Germantown avenues. J. L. Trent (C), 2041 MaMester street. Cost, \$12,000. Church, Hunting Park and Germantown avenues.

Dr. Wychoff (O), Seventeenth and Jefferson streets. Supplee Const. Co. (C), Bulletin Building. Cost, \$3,500. Dwelling, Seventeenth and Jefferson streets.

G. W. Littlewood (O), Main and Walnut lane. E. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$500. Mill, MMain and Walnut lane.

Dr. George Woodward (O), North American Building. John E. Walt (C), 204 East Willow Grove avenue. Cost, \$2,500. Dwelling, Hillside Drive and Huron street.

C. West & Co. (O), Harrison and Horrocks streets. Cost, \$400. Garage, Harrison and Horrocks streets.

Albert MacMeneman (O), 859 Church lane. Harry H. Cluck (C), 170 East Walnut lane. Cost, \$1,500. Shop, 859 Church lane.

Edith Moskowitz (O), 32 South Fifty-eighth street. Arthur S. Brown (C), 1901 East Clearfield street. Cost, \$425. Store and dwelling, 2845 Kensington avenue.

Right Rev. Archbishop E. F. Prendergast (O), Eighteenth and Race streets. John A. Engel (C), 3007 North Fifth street. Cost,

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****The Asphalt Publicity Bureau, 854 Market Building, Chicago, Ill., is sending out an interesting little work entitled "The Roof Distinctive," which contains a great deal of information relative to the advantages of asphalt shingles, their long life, beauty and resisting qualities.**

****The rapidly growing demand for "Buffalo" wire products in Philadelphia, Pa., and adjoining territory has necessitated the establishing of a branch office and warehouse at 11 South Seventh street by the Buffalo Wire Works Company, whose main office and factory are at 316 Terrace, Buffalo, N. Y. A complete stock of all grades of "Buffalo" wire cloth will be constantly carried on hand at the Philadelphia warehouse in order to promptly meet the requirements of the company. The location of the new branch is in the heart of the business section of the city, which places the company in a most excellent position to handle rush orders.**

****Were the national wealth of the country, amounting to approximately \$187,739,000,000, to be equally divided, each man, woman and child in the United States would have \$1,965, according to a statement made public by the Census Bureau. The bureau reports that the national wealth increased from 1904 to 1912, about 75 per cent., while the per capita wealth increased only 49 per cent.**

****Judge E. H. Gary, Chairman of the Board of Directors of the United States Steel Corporation, has issued the following statement: "Homer Williams, now general superintendent of the Duquesne Works at Pittsburgh, has been designated as president of the Carnegie Steel Company, to succeed A. C. Dinkey; and William Whigham, now assistant to Mr. Dinkey, has been designated as a vice-president of the Carnegie Steel Company. The other vice-presidents, H. P. Bope and W. W. Blackburn, will continue as such."**

****C. H. Blackall, a Boston architect, is chairman of a sub-committee of a special committee of the Boston Chamber of Commerce, which will gather data regarding a uniform State building law, now before the Massachusetts Legislature. The attitude of the chamber will depend on the report of the committee.**

****Theodore Singleton, at one time an architect in practice in England, and lately a writer of articles for the "Press," of Lime Grove, Old Trafford, England, has been sentenced to six months' hard labor at Manchester under the Defense of the Realm Act, on charges with reference to articles sent by him to a monthly journal published in Boston. Singleton is an elderly man, of German parentage, but naturalized in England.**

****Architects of London who have enlisted make up the Fourth Battalion, Central London Regiment Volunteers, known as "The Architects." The camp is at Summer Garden Road, East Moseley, near Hampton Court, and general parades are held on Saturdays. Four companies of recruits drill twice a week in the city. Headquarters are at 18 Tufton street, Westminster, S. W.**

****The National Association of Master Plumbers has moved its executive offices from Philadelphia to Cambridge, Mass., where it is located at 689 Massachusetts avenue, directly across the street from the office of President James S. Cassidy.**

****The American Foundrymen's Association and the American Institute of Metals held a joint convention at Atlantic City, September 27 to October 1. Headquarters were at the Traymore Hotel. No less than 30 technical papers were on the program, in addition to committee and other reports. At a banquet held at the Traymore September 30, Dr. John A. Brashear, president of the American Society of Mechanical Engineers, delivered an address on "Personal Reminiscences of Fifty Years' Development in Mechanical Science."**

****The National Radiator Company, Johnstown, Pa., has appointed W. E. Tinker as manager of its Philadelphia office, at Juniper and Arch streets. Mr. Tinker was formerly treasurer of the Haynes-Thompson Company, wholesalers of heating and plumbing supplies. He will retain his holdings in that company.**

****A neat and attractive catalog relating to the "Ankyra" bolt or sleeve which is of a nature to meet many requirements, has just been sent out by the Ankyra Manufacturing Company, 149 West Berkeley street, Wayne Junction, Philadelphia, Pa. This anchor bolt is said to combine the principles of the toggle and expansion bolts, but differing from them in that the nut is an integral part of the sleeve itself.**

****The Aberthaw Construction Company, Boston, specialists in reinforced concrete and in industrial buildings, as well as dams and water powers, is about to move its main offices from 8 Beacon street to the new Niles Building at 27 School street, where the top floor will be occupied. Increased accommodation, together with a desire to place all the departments close together and in proper relation to each other are the impelling causes for the change.**

****The Bryant Memorial Company, designer and builder of monuments, tablets and mausoleums, has opened an office and studio in the Anderson Art Galleries Building, 15 East Fortieth street, New York. This firm will work in granite, marble and bronze.**

****Charles W. Frank, architect, has opened an office for the practice of his profession in the Permanent Title Building, Akron, O., and desires samples and catalogs from manufacturers and jobbers interested in the building trades.**

****Oglesby Paul, a landscape architect of Philadelphia, died of a complication of diseases in a Boston hospital, Tuesday, October 5, after one month's illness. He was born in Philadelphia, September 28, 1877. Mr. Paul was the landscape architect of Fairmount Park, and had much to do with the landscaping of many of the large estates in the suburbs of Philadelphia. He was a member of the Merion Cricket, Philadelphia and other clubs.**

ELECTRICAL PROSPERITY WEEK.

The week of November 29th to December 4th will be celebrated by the entire electrical industry as a week of prosperity, optimism and education. We believe that our country is on the verge of the greatest era of prosperity ever known; in fact, we know it, for the effect has already been seen in our own business. We believe that optimism—the ability to see the good things ahead—has done much to bring this about, and that each day sees more and more people enlisting in its cause; and we believe that the electrical industry is in the lead and forging farther ahead each day. We believe that people are thirsting for information about Electricity, its products, and its ability to help the human race, and that the time has come to show what a wonderful, efficient and powerfully Electricity is to all, in the home or in the business world.

There will be displays, exhibits, shows, lectures, parades, prize essays and countless demonstrations. The effects of the campaign will be felt everywhere and every one will benefit by the results. People will see what a great help Electricity can be if correctly applied, even to the everyday, homely tasks of housekeeping; while those who are, to some extent, more familiar and fully aware of its value, will be shown the very latest developments and the full extent of its possibilities.

Electricity is the greatest force ever known. It is the most popular, the most convenient, the most flexible, and has the greatest utility. With all this it is only in its infancy, but growing faster each day, and we all are growing with it, broadening with it, and living better because of it.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.

A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Bx.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., OCTOBER 20, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clifton Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Bart L. Fenner, New York
Treasurer. *J. L. Maurar, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

A curious case, instancing an agreement between bidders, cropped up recently in Santa Clara County, California. The supervisors of that county advertised for bids on an order for 50,000 barrels of cement, to be used in constructing and repairing county highways. The bids came in in due course, were opened on the day appointed, and we found to be identical as to price, details and every other essential particular.

The supervisors promptly rejected the bids and advertised again.

Once more all of the bids received coincided as to price and details. The supervisors are now waiting on the county attorney for an opinion as to the legality of their going out into the open market for another set of bids in an effort to break the county pool of cement men.

* * *

Lorado Taft, the Chicago sculptor, made an address before the Cleveland Chamber of Commerce recently, in the course of which he gave utterance to a number of entertaining views on the artistic side of modern municipal development.

A feature of his address was his account of "doing Chicago" in company with Mr. Arnold Bennett, the English novelist.

"We rode around the great boulevard system," he said, "commenting on the wisdom of those men who planned so well years and years ago, but leading to nothing. We passed miles of happy homes, flats and modern conveniences, but I found that Mr. Arnold was not particularly interested in those things. He seemed to take it for granted just as we take the physical equipment of one and another for granted—it is nothing in particular to talk about. He was looking for something else. He wanted to find the soul of our people. Finally we came to St. Gauden's great statue of Lincoln, and Mr. Bennett sat up straight and looked out of the window with the expression of a connoisseur, a man who knows art as well as life, and I felt a thrill at last, for St. Gauden's of the east had put a soul into Chicago. He had expressed the greatness of these simple Western people. So I think that there is a reason for the sculptor, a reason for the painter, the poet and the musician.

* * *

"I want to tell you a word of my dream for the Midway, a great grand pathway a mile long and 600 feet wide upon which the ever growing University of Chicago stands. At either end I have proposed a fountain. One we call 'The Fountain of Creation,' and the other, 'The Fountain of Times.' Then I would span the canal with three bridges, white marble and monumental bridges, 'The Bridge of Science,' 'The Bridge of Arts,' and 'The Bridge of Religion or Faith,' but the master conception of this ensemble will be the two fountains; the first suggesting the

birth of the race and the latter marshalling man in his progress from life to death. Over all, monstrous and compelling, would loom like a crag, Father Time.

* * *

"'The Fountain of Creation' found its inspiration in the old Greek myth Deucalion and Pyrrha, who, being the only mortals saved from the flood, interpreted the instruction respecting the wish to restore the human race by covering their heads and throwing over their shoulders stones, these stones symbolizing the bones of their mother. The stones immediately took life in the form of men and women who re-peopled the earth.

"'The Fountain of Time,' with the figure of Father Time dominating all in its twenty feet of height, will be one hundred and ten feet long, the figures being ten feet high and the center one about fifteen. The procession depicted is the procession of humanity passing in review before Father Time. Each of the strenuous figures is pressing toward some individual goal, and the wave-like movement of the throng suggests the unsubstantial and ephemeral nature of human life.

"My inspiration for this idea of Time came from a line of Austin Dobson's: 'Time goes, you say? No, alas! Time stays—we go.'"

* * *

Mr. Taft in conclusion said that among the most satisfying things that had arisen from his pleasant work in Chicago, was that he was building up a little school of sculptors in this work. He had around him twenty young students, among them a former Italian model who, since joining these forces, had designed and had accepted a piece of sculpture of his own, which will find its place in the Midway.

* * *

"Cities," said Mr. Taft, at one point in his address, "are judged by ideals, and art is the perpetuation of an ideal."

* * *

President McGuire, of the New York Real Estate Board, supplemented the statement from a committee of that body to the State Legislative Committee on taxation, by saying:

"Real estate to-day in New York City and the State generally is paying all that it can in the way of taxation, and any increase would materially affect real estate values and would react seriously upon other lines of business.

"As the owner of property looks for the net return, any increase of tax would mean, ordinarily, an increase of rents, which at the present time, however, is not possible.

"In my opinion taxation should be general and uniform in all localities throughout the State.

"The aggregate investment in real estate mortgages in New York City is about \$4,800,000,000 and the principal holders of mort-

gages are mortgage guarantee companies, title companies, trust companies, insurance companies, savings banks and estates.

"The effect of the mortgage recording tax has been good, and has, I believe, stimulated the loaning of money on mortgage.

"The defect in the present system of taxation, in my opinion, is that the cost of government fails, to very large extent, on real estate. In my judgment the proper supporter of government is the individual and methods should be devised whereby every adult should, in some way, feel the direct burden of the cost of government. In proportion, as the person is possessed of property, his or her tax should be higher, because the safe-guarding of property is an expense to the State.

"A small tax on personality, say of 3 or 5 mills, with no exemptions, or a State income tax might be devised.

* * *

"This again, however, opens up a very broad question as to whether any new sources of revenue should be established until great economies in government have been effected. Past experience has shown that all new sources of revenue are immediately exhausted to take care of new forms of government.

"As a matter of fact, when government is simple, yet sufficient, the burden of taxation is never oppressive and it is only when, after emotional legislation, government takes over functions not properly the duties of government that taxation becomes a burden.

"If the present state and city policy of paternalism is continued and every man's business and individual affairs supervised and regulated, new sources of revenue must, of course, be found.

"If the people are to have free medical service, free college education, free libraries, free lecturers, free ice, free music, recreation centers and playgrounds, free baths and lodging houses, if magnificent sanitariums for inebriates must be provided; if, in other words, the thrifty and provident citizen is to become his brother's keeper, then the burden is, of course, far too great for real estate to bear, and other forms of wealth must take their share.

* * *

"It is, perhaps, unnecessary to remind you, gentlemen, that the cost of government in the State has increased from \$8,000,000 a year, twenty years ago, to \$80,000,000 at present, and that the city budget this year will contain an item for debt service nearly as large as the entire budget in 1900. The expense of the Board of Education alone in eight years has increased \$15,000,000, and this is true, in proportion, of almost every other department of the city government. During the past year \$1,000,000 was added to the city's payroll.

"The Real Estate Board has, I believe, conclusively shown that economies approximating \$17,000,000 can be inaugurated, and the only answer was the action of the Tax Commissioners in endeavoring to secure \$70,000,000 additional taxes by increasing the personal assessment roll."

The tax question, it might be well to mention, is just now the dominant issue in New York politics, the burden upon real estate having reached a stage at which aggressive resistance to further imposition is being planned by realty men, owners and builders. Mr. McGuire has been one of the most forceful of the representatives of the Real Estate Board in the agitation for economies in government. His remarks on paternalism and municipal coddling will, we feel sure, be read with interest by local builders who have noted, with some concern, the growth of evils of the same order here in Philadelphia. This system of municipal coddling has been carried to ridiculous extremes in the larger cities and bids fair to be an issue of some importance in the not remote future.

* * *

Louis Christian Mullgardt, widely known on the Pacific Coast as an architect of the most brilliant achievement, remarks in an article on the work of a fellow practitioner: "It does not often befall an architect to do an extensive amount of work in the beginning of his career, however competent he may be to evolve good designs and arrange for their proper execution. It is common to see a new practitioner struggling along or years, doing small homes and other less important work, until in time and by chance or good fortune he acquires a clientele that enables him to do large and important work, which makes sincere effort and personal qualification really worth while. It is most uncommon to find a superior order of people with capital to invest in buildings who are willing to intrust their work to the hands of a new practitioner, however capable he may be."

Mr. Mullgardt here points out one of the real hardships of the artistic career, in so far as it bears upon the practice of architecture.

The painter, the sculptor, the designer of stained glass, work with mediums comparatively inexpensive. The moderately wealthy patron of the arts can afford, without serious misgivings, the offering of a commission the primary object of which is to encourage youthful talent. In the case of the architect no such light-hearted encouragement is either possible or even practical. The architect works with brick, with stone, with concrete, steel, and terra cotta, mediums that involve the expenditure of large sums of money.

His work has the fatal quality of permanency. It may not be thrown aside or broken up for junk if lacking in the expected measure of merit or originality. It occupies valuable ground. It can be neither lightly set up nor lightly removed. It represents outlays possible only to the very rich, and as a result is undertaken with the caution, the calculation and thoughtful preliminary survey peculiar to the large investment. The man about to invest a million dollars in a new building, the site for which is worth approximately a million more, is in no mood to encourage budding talent. He wants an architect to prepare his design and plans whose experience in this particular work offers a reasonable

guarantee in advance that the building will be a sound commercial venture. This feeling operates to the advantage of the man with the reputation. It operates to the serious disadvantage of the young practitioner ambitious to show his ability to do something really big and noteworthy. It is often only after years of plodding and the slow growth of carefully garnered reputation that the chance comes to the ambitious younger man to try his hand at big work.

It was as an agency for the encouragement of the young practitioner that government competition had its greatest value. Competition, under government auspices, gave the younger man his chance to make good. If he had the necessary ability to do really notable big work his designs needed no extraneous influence to insure acceptance.

Shut out by the repeal of the Tarsney Act from this governmental aid and encouragement, the lot of the younger man in architecture is one dependent, largely, on social and personal log-rolling. Or, as Mr. Mullgardt puts it, on chance and good fortune. Many really brilliant men plod through years to gray hairs and cynicism before the goddess of opportunity knocks at their doors. It seems a cruel pity that a government which finds time and opportunity to encourage so much that is undeserving should be so short-sighted in the artistic sense as to overlook the opportunity here presented to develop its architecture.

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

WHY WE DO IT.

Advertise and the world buys of you;

Renig, and you need a loan.

If you never tell what you have to sell,

You'll have troubles all your own.

—Los Angeles Evening Herald."

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scripper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



COLOR SCHEMES IN A CITY HOME.

The prevailing color of a living room on Riverside Drive is mulberry. Mulberry velvet is used for the window and door hangings, and a moire material matching these hangings in color is used for the wall panels. The general color scheme, even, is carried out in the lampshade scones, says the "Decorative Furnisher." The furniture is of mahogany, and the upholstery material and window cushions are in mulberry color, matching the prevailing scheme. The trim of the room is ivory white, and the entire effect is one of soft color harmony and charm. The window panels are combination Fillet and Venetian lace, and the Oriental rug, of particular charm, was especially imported by the decorator on account of its size and the harmony of the color it contained.

Adjoining the living room is the foyer hall. The color of the draperies and the curtains is old blue, forming a beautiful contrast with the mulberry tones used in the living room. The trim here is also ivory white. The lace panels used on the windows match those in the living room. The floors are covered with Persian rugs of excellent design.

In the lounging or smoking room the color scheme is golden brown, which, against the ivory white of the woodwork and mahogany doors, is soft and restful. The rugs are Oriental, and the curtains of two-tone silk are in accord with the general brown color scheme. Arab panels are used on the windows.

ever was written is the Bible, and it's still advertised by firms who want to sell it. The biggest business ever organized is Standard Oil, but John D. is still reaching out for more.

CEMENT STUCCO FOR OLD AND NEW BUILDINGS

Standards of Practice Recommended by American Association of Cement manufacturers.

In a great many localities are to be found frame structures out of repair. There is a very simple method by which buildings of this kind can be made substantial and practically new. This is through the use of Portland cement stucco. Dwellings of even bad design are frequently remodeled by the use of stucco so as to appear like new and attractive structures. They are not only improved with respect to appearance, but are made thoroughly substantial and weather-proof.

Stucco is not expensive, and if properly applied is fire-resisting and enduring. It may be applied to brick and stone walls, concrete blocks and frame structures. In the case of frame structures the stucco is applied after the building has been covered with wood or metal plastering lath.

The materials composing stucco consist of Portland cement and sand with a small admixture of hydrated lime or slaked lime putty to give the mortar more plasticity. The lime also tends to whiten the stucco. The sand should be free from organic matter and uniformly graded from coarse to fine. The lime should also be uniform in quality.

The proportions for the first coat are 1 part Portland cement to not more than $2\frac{1}{4}$ parts of sand by volume. Where lime is used 10 per cent. by volume of the cement is the usual amount. In the first coat enough hair or vegetable fiber is added to insure a proper bond or key between the lath and mortar. The most satisfactory construction for the first coat is to plaster, if possible, on both sides of the lath, thus thoroughly imbedding same. If this is not possible the lath is applied to sheathing boards and care must be taken to thoroughly force the mortar through the lath and in contact with the boards back of the lath. If this is properly done it will insure complete imbedment of the lath, which is particularly necessary where metal lath is employed, for it will prevent possibility of corrosion. As soon as the first coat is applied and before the mortar hardens the surface is thoroughly roughened by scratching with a sharp instrument or saw-tooth paddle. After the first coat has been applied and becomes hard the second coat is applied to the roughened surface of the first coat. Before doing this the first coat must be thoroughly wet down with water to prevent the moisture from being absorbed from the second coat. The proportions of the second coat may be the same as those of the first with the omission of the hair or fiber. The surface of this coat is roughened and dampened in the same manner as described for the previous coat. In the third coat the proportions are 1 part Portland cement to not more than $2\frac{1}{2}$ parts sand nor less than 2 parts sand by volume.

Lime may be added in the proportion of 10 percent. of the volume of cement. It is sometimes the custom to use only two coats for ordinary work, and in this case the third coat just described is the finish coat, the second coat being omitted. The surface finish decided upon, such as rough cast, pebble dash or float finish, is used on the surface of this third coat.

There are two very important precautions to be observed in the application of stucco. First, no stucco must be applied during freezing weather or if there is any possibility of the temperature dropping below freezing. Second, each coat must be kept damp and prevented from drying out by spraying or by hanging over the surface cloths which should be kept constantly wet. Cloths should be used where the stucco is exposed to hot sunshine.

Stucco is used in four general classes of construction: First, the over-coating of old frame structures. Second, application to new structures by the use of wooden or steel frame work with wooden or metal lath. Third, its application to old brick or stone structures. Fourth, its application to concrete block buildings.

The second class of work requires little description. The frame of the structure is built in the ordinary way, with lath and sheathing boards fastened to it and the stucco applied as described above.

In the third class, the mortar joints of the brick or stone work are raked out to a depth of about 1 inch to form a key for the new stucco. The surface of the brick or stone is thoroughly cleaned and wet before applying the stucco. See that the stucco is forced into the joints to their full depth.

The fourth class is the application of stucco to Portland cement concrete block buildings. This is a very attractive and satisfactory method of construction. The concrete block, when intended to be covered with stucco, may be made with plain faces and no special attention is required to securing a smooth finish. Indeed, a rough finish insures a better bond between the stucco and the block. The mortar joints between the block are left open about 1 inch from the outer surface to insure a proper key for the stucco. The block is thoroughly wet down before the stucco is applied. Thus prospective builders who object to the appearance of the concrete block may combine the two materials and secure at once the strength and inexpensiveness of concrete block construction and the beautiful appearance of the stucco coating.

In all cases, structures should have firm foundations.

DISEASE GERMS ARE KEPT OUT OF HOUSES BY WEATHER STRIPS

Not Only Do They Lessen Coal Bills and Make Homes Comfortable, but They Exclude the Microbes Infesting the Dusty Air.

While weather strips generally are added to the doors and windows of houses and buildings with a view to greater warmth in winter and smaller coal bills, the fact remains that nothing is as efficacious in keeping out the dust and dirt, both of which are a great menace to health.

Science attributes many serious and fatal diseases to dust. Where years ago their source was not understood, the patient students in the laboratories have by aid of microscopes and other equipment discovered the poisonous germs which are sheltered in ordinary dust. Keeping these flying particles out of buildings in which people live or work is a step in the direction of good health. It cuts out the suffering and eliminates the tragedies.

The home builder or the owner of the office structure thinks of weather strips and applies them so that the place will be comfortable on days when the wind is howling and the cold blasts sneak in around the windows and doors. Strips of wood or metal adjusted by experts will do this, and more they will bar out the disease germs at all seasons, hence they are working the entire year, serving a double purpose, either being of as great importance as the other.

Not until lately have weather strips been regarded as a protection against germs, but now many citizens are having their homes properly equipped with a view of keeping out the invisible assassins which lurk in the air.

Strips are made to fit snugly around windows and doors, so that when they are shut the air cannot pass either way. Ordinarily a person does not figure the amount of air space in the running area around a window. In the instance of the double windows which pull up and down it averages from 18 to 21 lineal feet. The play given to a window is about one-sixteenth of an inch, so that the open space actually figures to as great as a hole more than a foot long and an inch wide. If you have two dozen windows in a house this equals a hole more than two feet by one foot, and how can one expect either to heat a house or to keep out germs when there is an aperture through which you could throw a cat and a few kittens for good measure?

Think of the heat units which race through such an opening in the winter and the germs that hustle into the warmth in the air which circulates more or less all the time.

Figuring a sixteenth of an inch for the play of a window is more modest than in the ordinary home, where it is an eighth of an inch or more and enlarges the hole to an area of four square feet.

All the Year Proposition.

Weather stripping is an all the year proposition.

It is advocated by physicians and builders of new houses include it in their general plan, while those who have neglected to add this to their health and comfort-giving equipment are having the safeguards installed at this time.

With the best of weather strips considerable money is saved in addition to the conserving of health. You can leave your windows open at night after the automobiles have stopped stirring up the dust, and by closing the windows in the morning you retain the cool fresh air and keep out the dust.

Curtains and draperies have to be cleaned or laundered and they wear from repetitions. Most of the dirt that lodges on the curtains comes through the space around the windows, and when they are closed these decorations will last a much longer time before becoming soiled.

Not only do the weather strips exclude draughts, dust, soot and dirt and deaden street noises, but they prevent the rattling of the sashes and make the windows operate more easily. They correct imperfect frames and they fit snugly in all the openings around either window or door.

The average householder puts in screens to keep out insects. Weather strips bar the minute organisms which he cannot see and which are far worse than those you can eliminate with a swat.

Disease Lurks in Dust.

Little thought has been given by the community at large to the idea of keeping out germs. A few words from leading physicians might not be amiss:

Dr. Guy L. Kiefer says that epidemics of colds, la grippe, tonsillitis, diphtheria, pneumonia and even tuberculosis are caused by the dust from streets.

Dr. R. B. Churly attributes epidemics such as of scarlet fever and diphtheria to unpaved streets and those which are paved but in poor condition.

"More illness and ill health is the rule during the windy months of spring and early fall, due to the immense amount of contaminated dust, than at any other time," says Dr. George Kennedy.

All physicians agree that dust from streets is one of the greatest single menaces to public health.

In the fall and early winter the companies manufacturing and installing weather strips are very busy. At this time of the year they can give better service, and it is of just as great importance to have the windows put in proper shape now as at the approach of the cold spell. Saving doctor bills is just as help-

ful to the family bank book as keeping down the coal bills.—"American Carpenter and Builder."

EFFLORESCENCE ON MASONRY AND CONCRETE CONSTRUCTION

That white substance occurring on the surface of brick or other masonry walls or concrete block and monolithic concrete construction is known as "efflorescence" and consists essentially of free lime carbonate. Concrete block and monolithic concrete so manufactured or deposited as to result in porous construction will absorb rain or moisture which dissolves any soluble matter present and consequently deposits it on the surface when evaporation takes place. In practically every case efflorescence occurs as a direct result of porous material. An impervious surface is never subject to efflorescence because it is impossible for water to penetrate it, hence any soluble salt which may be in the concrete cannot be dissolved and conducted to the surface to crystallize on evaporation of moisture.

One should not condemn concrete construction on account of this white deposit, as it is a result of faulty workmanship.

The only effective method of preventing efflorescence is to manufacture dense concrete which results in the use of properly proportioned mixtures and enough water to produce a "quaky" consistency when the concrete is deposited. Concrete, whether monolithic or block, that is properly proportioned rarely gives cause for complaint on account of efflorescence. Of course, blocks that are free from this objection require more care to manufacture, but they can be made and will be of superior quality.

Efflorescence may be removed from the surface by scrubbing it with wire brushes or by the use of ordinary scrubbing brushes and a solution of muriatic acid, consisting of one part of acid with at least four or five parts of water, following which the surface should at once be well washed down with clean water.

A recurrence of the efflorescence may then be prevented by applying to the wall surface what is known as the "Sylvester treatment." This consists first of an alum solution of water, and second, a soap solution made by dissolving about 2½ pounds of reasonably pure hard soap per gallon of water. The surface to be treated should be clean and dry and then the soap wash should be painted on boiling hot and allowed to dry twenty-four hours. After this the alum solution at a temperature of about 60 to 70 degrees Fahrenheit should be painted on in the same manner. The chemical combination produced by these two solutions applied separately results in forming an insoluble compound in the porous surface that will close the pores and effectually prevent a repetition of the trouble.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

DEFINITE RECOMMENDATIONS FOR IMPROVING THE STATUS OF THE HEATING ENGINEER

A serious and carefully-planned effort to improve the status of the heating engineer is disclosed in the final report of a committee appointed by the New York Chapter of The American Society of Heating and Ventilating Engineers, consisting of Perry West, Newark, N. J., chairman; Frank K. Chew, New York; and J. I. Lyle, New York.

The committee lists its recommendations under eight headings and then proceeds to give practical suggestions as to ways and means for carrying out the recommendations.

Membership Standards and the Licensing of Engineers.

Under this heading the opinion is expressed that society membership should be a thing to be more sought after, also that a movement should be started for the legal licensing of engineers under the direction of State boards consisting of engineers selected by the national society, with, perhaps, a national board for deciding appeals from local boards.

The Status of the Engineer in His Own Field.

In this connection the committee finds that the services of the engineer are too seldom employed and the field he works in is not properly cultivated, as is shown in the unproductiveness and size of the fees secured. It is also the belief that in a great many cases engineers could be employed to better advantage by the owner direct, as are other professional men. This system would give the engineer more authority for deciding engineering questions, such as is accorded other professional men in the decision of matters pertaining to their work. There is no working agreement between engineers, architects, contractors and manufacturers whereby each of these branches might be confined to its own particular field with better economic result to all.

Recommendations for the correction of these conditions are: 1. That a large portion of the activities of the society and of its business office be diverted from so many narrow and purely technical matters, and be put to work on the policy and business of engineering. Also that some plan be worked out whereby the engineers can co-operate with this movement in their everyday business life. 2. That a survey be made and action started toward more general, direct employment of engineers. 3. That a survey be made and action started on a working agreement between engineers, architects, contractors and manufacturers.

There is a great volume of heating and ventilating engineering, states the report,

that is not being done by heating and ventilating engineers. To correct this economic defect it is urgently necessary that after qualifying by study, the heating and ventilating engineer take up the equally important business side of his work. He must ignore the moss-covered notion that his services should be sought. He must see to it that the value of his services is understood and that they are presented with the same frequency and dignified persistency with which the mere mechanical factors in the equipment are offered, explained, pushed, specified, sold and put into actual use.

The sale of engineering service needs to be given a positive impetus. Engineers are employed for an utterly inadequate proportion of the available work in their field.

During 1914, the cost of building operations in the United States amounted to \$700,000,000, of which \$70,000,000 might be considered the cost of heating and ventilating apparatus and the percentage of this sum which a reasonable fee would bring (say 5 per cent.), has not as yet been discovered by your committee as having reached our field. It might be considered that of this sum \$750,000 came to heating and ventilating engineers, leaving \$2,750,000 to represent the loss to the profession. Why? Because the field is not cultivated.

Some of the work not being done by engineers is being done by architects, principally under what we believe to be a false impression, that it can be so handled to the best interests of the work as a whole. Some by the manufacturers, principally under what we believe to be a false impression, that it is a good and economic business proposition for themselves and the owner. Some is being passed over, principally under what we believe to be a false impression, that it is not worth doing.

Of the work being done by architects, there is no question but that some of this is being done well and especially is this true where regular engineers are employed on the architect's staff. The fact remains, however, that the guiding genius of an architectural office is not often so constituted by nature that he can look with an impartial eye upon two branches of work so different as architecture and engineering. Self-preservation compels the architectural viewpoint to subordinate the plain points of utility in engineering to the finer points of beauty and arrangement of the building. The result is that the engineering vitals often suffer and have their usefulness curtailed or destroyed; and in a great many cases without the architect's appreciating the gravity of the results.

The committee expresses its belief that the conditions might be improved in many cases by employing a consulting engineer direct and allowing him to be free to act in conjunction with the architect for the best interest of his client.

Of the engineering work being done by manufacturers, some of this is no doubt legitimate and proper for the promotion of new and special devices and systems, and in the furnishing of data upon which manufacturers are sometimes better posted than engineers. A great deal of complaint is heard against engineers for not being willing to spend the time and trouble to investigate new apparatus, and for not allowing free and open competition. It is argued by some manufacturers that it is necessary that they draw plans and specifications in order to get their share of the business. It is also argued that engineers are sometimes prone to undertake work for which they are not competent, and for which they lack the necessary experience. That they are further prone in a great many instances to spurn any data or consultation from the manufacturers. Under such conditions the manufacturer sometimes argues that it is a matter of self-defence for him to draw plans and specifications. The committee feels that in a great many cases the engineer is in the wrong and should as speedily as possible put himself in the right. Where these conditions do not exist, however, the system of manufacturers' drawing plans and specifications is wrong, both from an ethical and an economical standpoint.

In the first place, the manufacturer is generally forced to draw plans and specifications for no other compensation than what can be added to the cost of the work. This introduces the greatest temptation to use special apparatus that no one else can furnish, whether the same is suitable for the purpose or not. He is also forced, in order to include his own apparatus, to lay out the entire plan including piping, electric and transmission systems, with which his engineering staff is naturally not so familiar as with his own apparatus and its immediate connections. In other words, the greater part of the layout is handled as a side issue and is not so completely handled as it would be by a regular engineer making such matters his whole business. He is also generally thrown into competition with other contractors, who are drawing their own plans and specifications, and as a result there are a number of such, all costing their respective concerns almost as much as one good set would cost a regular engineer. All of these costs must be borne sooner or later by the consumer.

In the opinion of the committee, a thorough understanding and a square deal by all parties concerned under this arrangement would work toward its immediate abatement and the final elimination of these conditions.

(Concluded Next Week.)

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

James P. Farrell & Co., 1619 Sansom st.
Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

James G. Madden, Franklin Bank Bldg., Phila.
W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electric Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electric Construction.

Daird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Flooring & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board.

Cell Board.

The Philip Carey Co.,
13th and Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility."

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Barrett Mfg. Co.,

New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

FOR RESULTS

Advertise in **THE BUILDERS' GUIDE**

Reaches Architects, Builders and Owners



receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.



A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit. Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg.,
Peoples Gas Bldg.,
Beacon Building.

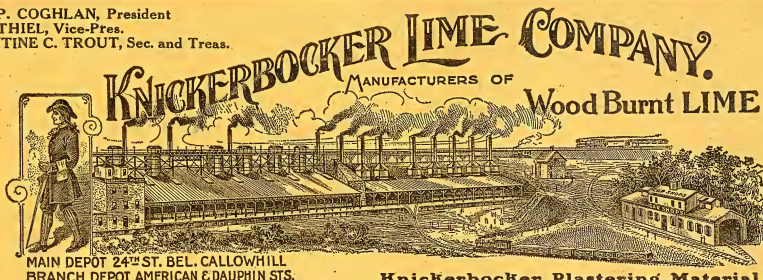
NEW YORK
CHICAGO
BOSTON

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention **THE BUILDERS' GUIDE**.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 43.

PHILADELPHIA, WEDNESDAY, OCTOBER 27, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING Co.

5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



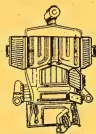
Contractor's Equipment

NEW AND SECOND HAND

Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.

—MILLS—



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

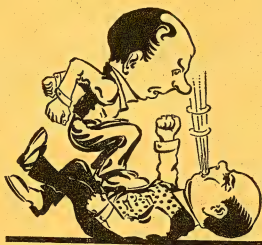
Best by test.

Ask for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.

Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS

Shops, Rochester, Pa.

District Representative

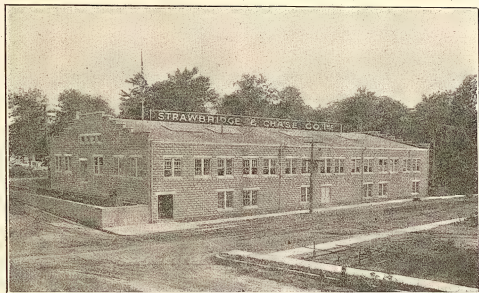
JAMES G. MADDEN

1011 Franklin Bank Building

Bell Phone, Walnut 4344
Keystone Phone, Race 3718

Philadelphia, Pa.

Wire Work



THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
Wm. H. ECKE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



“F-S” Products are impregnable in the war of sales competition.

When you specify ‘Ef-Es-Co’ you protect your reputation with a defense that won’t fail you. It gives metal or wood a dead-flat white finish that is smooth, washable and durable. It works like paint—looks like enamel. Besides pure white, it comes in various tints.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(118)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

Has your work ever been held up on account of slow delivery of BRICKS?

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

Complete line of Clay Products, including Face Bricks, Hard Bricks, Sewer Bricks, Flue Linings, Sewer Pipe, Roofing and Floor Tile.

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

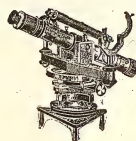
Contractors and Builders

ALTERATIONS

JOBGING

Bell, Spruce 4419

Keystone, Race 3210



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15

to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 8603, 8604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MACDOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 43.

PHILADELPHIA, WEDNESDAY, OCTOBER 27, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence, Germantown, Philadelphia. Architect, Geo. S. Idell, 34 S. Sixteenth street. Owner, Dr. E. P. Moxey, 34 Carpenter street, Germantown. Brick, 2½ stories, slate roof, flors, tile work. Plans about completed. Arch-electric lighting, vapor heating, hardwood will soon take bids.

Professional Office Building, northwest corner Sixteenth and Walnut streets. Architects, Charles E. Oelschlagel, Harrison Building, Philadelphia. Owner, name withheld. Brick, terra cotta, limestone and steel, fireproof, 15 stories, 33x17 feet, composition roof, steam heating, electric lighting, marble and tile work, (3) elevators. Plans completed. Ready for bids.

Residences (112), Cartin and Shunk streets, Philadelphia. Architect, private plans. Owners, Raymond & Kilpatrick, 1523 Snyder avenue, Philadelphia. Brick, 2 stories, 14x47 feet each, slag roofs, hot air heating. Owners taking sub-bids.

Store Building (alts.), 1307 Vine street, Architects, Sauer & Hahn, 1112 Chestnut st., Philadelphia. Owner, H. L. Marks, care architects. Brick, 3 stories, consists of bulk windows and interior alterations. Plans in progress. Architects will take bids in about ten days.

Church, Fifty-fifth and Wyalusing avenue, Philadelphia. Architect, Geo. S. Idell, 34 S. Sixteenth street, Philadelphia. Owners, Advent Church of the New Jerusalem, Care Swedenborgian Society of Philadelphia, Twenty-second and Chestnut streets, Philadelphia. Stone, 1 story, 35x56 feet, slate roof, steam heat, electric lighting. Architect has received revised bids.

Elevated, foot of Callowhill street to Frankford. Engineers, City Transit Department, Bourse Building, Philadelphia. Owners, City of Philadelphia, Department of Transit, A. Merritt Taylor, Director, Bourse Building, Philadelphia. Consists of steel superstructure. Lowest bidders, McClintick-Marshall Construction Co., Morris Building, Philadelphia, \$1,704,000.

Sunday School, Longshore and Hagerman streets, Philadelphia. Architects, Leachman & Murphy, Witherspoon Building, Philadelphia.

Owners, Tacony M. E. Church, Rev. Cornelius Hudson, 3424 Disston street, Philadelphia. Stone, 2 stories, 59x85 feet, slate roof, electric lighting, wire lath, (heating steam separate bids). Architects taking bids, due October 28th. The following are figuring: Alex. Chambley, 243 S. Tenth street; Thomas C. Trafford, 1613 Sansom street; Burd P. Evans & Co., Thirteenth and Wallace streets; F. W. Van Loon, Denckla Building; Sinclair & Driscoll, 1524 Chestnut street; Wilson Milnor, 4634 Penn street, Frankford; F. H. Keiser & Co., Pottstown, Pa.

Park Improvements, Keystone and Princeton streets, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Consists of concrete walks at Disston Park. Owners taking bids, due October 29th, at noon. Plans may be obtained at Room 113, City Hall.

Park Improvements, Elkart, Mayfield and Ringold streets. Architects, private plans. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Consists of improvements at above location for a new public park. Owners taking bids, due October 29th at noon. Plans may be obtained at Room 113, City Hall.

Church (alt. and add.), Fifty-fifth street, north of Market street. Architect, H. E. De Hoff, 48 S. Sixty-first street, Philadelphia. Owners, Bethany Baptist Church, on premises. Stone, 1 story and basement, 32x25 feet addition, slate roof, new heating and electric lighting system. Architect taking bids, due October 27th. J. F. Trent, 2041 Master street, and J. D. Fisher, 5718 Market street, Philadelphia, are figuring.

Factory Building, 1220 to 1224 Market st., Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, M. Rice & Co., 1220 Race street, Philadelphia. Reinforced concrete and brick, 4 stories, 54x 100 feet, slag roof, steam heating, electric lighting, elevator, metal sash. Plans in progress. Architects will take bids in about two weeks.

Residences and Garages (6), Lincoln Drive and Springer street. Architect, private plans. Owner, James N. Mitchell, 4 S. Markoe street,

Philadelphia. Stone, 2½ stories, 30x40 feet, tile and slate roofs, hot water heating, electric lighting, tile work, parquet floors; Garages, stone, 1 story, concrete floors, tile and slate roofs. Owners will be ready for sub-bids in about ten days.

Factory (add.), Phillips street, above Jefferson street, Philadelphia. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Harry & Wm. Tutelman, on premises. Brick, 2 stories, 80x34 feet, slag roof, fire doors, iron stairs, (heating and electric work reserved). Architect has received bids.

Residences (6), Lincoln Drive, Philadelphia. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owners, name withheld. Brick, stone, hollow tile and plaster, 3 stories, slate and tile roofs, hot water heating, oak floors, tile work. Plans in progress.

Residence, Somerton, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building. Owner, T. Scott Root, Somerton, Philadelphia. Brick and plaster, 2½ stories, 27x35 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Architect taking revised bids, due October 27th. The following are figuring: James B. Flounders, 1329 Arch street; E. E. Hollenback, Fifteenth and Race streets; Morris W. Plumley, 1537 Providence avenue, Chester, Pa.; W. John Stevens, Wyncote, Pa.

Loft Building, northwest corner of Twenty-third and Market streets, Philadelphia, \$500,000. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Reinforced concrete, 6 stories, 400x250 feet, composition roof, steam heating, electric lighting, elevators, steel sash, waterproofing and dampproofing. Plans about completed. Architect will take sub-bids in about two weeks.

Flats, Stores and Hall Building, Fox Chase, Philadelphia, \$100,000. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner's name withheld. Brick and terra cotta, fireproof, 3 stories, 100x175 feet, roofing not decided, central heating and lighting plant, concrete floors, reinforcing bars, metal lath, tile work and marble work. Plans in progress. Architect will be ready for bids in about one month.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

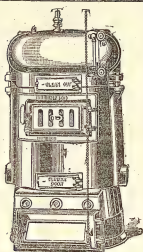
Worked $1\frac{1}{16}$ " x $2\frac{3}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS
Commonwealth Bldg. - Philadelphia



The NEW Round

ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

Church and Sunday School, Thirteenth and Rockland streets, Philadelphia, \$40,000. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Bishop Foss M. E. Church, Rev. Richard Turner, 5319 North Thirteenth street, Philadelphia. Stone, 1 story, 100x125 feet, slate roof, steam heating, electric lighting. Plans about completed. Architects will take bids in about ten days.

Church (alts.), Germantown avenue and Upsal street. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Second Baptist Church of Germantown, Rev. Charles H. Dodd, 48 East Upsal street, Philadelphia. Consists of new kitchen and interior alterations, vapor vacuum heating. Plans completed. Architects ready for bids.

Home (alts.), Church lane, Germantown. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Little Sisters of the Poor, Home for Aged, on premises. Consists of new porches, reinforced concrete,

reinforcing rods. Architects taking bids, due October 27th. The following are figuring: Barclay White & Co., Perry Building; Cramp & Co., Denekla Building, and Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Church, Fifty-first and Spruce streets, Philadelphia, \$100,000. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia, and Henry Vaughan, 20 Perberton Square, Boston, Mass. Owner, Chapel of the Mediator, care of George W. Jacobs, 1624 Chestnut street, Philadelphia. Brick and terra cotta, 1 story, slate roof, steam heating. Plans in progress.

Residences (12), Sixty-ninth and Verbena streets, Oak Lane, Philadelphia. Architect, private plans. Owner, Matthew A. Roth, 6408 North Camac street, Philadelphia. Stone, 2½ stories, 37x25 feet, slate roof, hot water heating, hardwood floors, tile bath rooms. Owner ready for sub-bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Stores (11), southwest corner Broad and Girard avenue, Philadelphia. Architect, private plans. Owners, John F. Betz Estate, 415 Callowhill street, Philadelphia. Brick, 2 stories, 90x58 feet, and 96x45 feet, slag roof, steam heating, electric lighting, tile work. Contract awarded to John McShain, 1610 North street, Philadelphia.

Church, Fifty-eighth and Cobbs Creek Parkway, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, Fourth Church of Christ Scientist. Frame, 1 story, composition roof, hot air heating, electric lighting. Contract awarded to H. Reuss-wick, 137 N. Tenth street, Philadelphia.

Boiler House (alts.), Water and Tasker sts., Philadelphia. Engineer, Chas. A. Blatchley, Drexel Building, Philadelphia. Owners, John T. Bailey Co., on premises. Brick, steel and concrete, 1 story, slag roof, steel trusses, steel sash, concrete foundations. Contract awarded to Wm. Easterbrook, 146 N. Fourth street, Philadelphia.

Residence (alts.), Chestnut Hill, Philadelphia, \$2,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Brick, frame & plaster, shingle roof, metal lath, (heating, plumbing and electric work reserved). Contract awarded to Wolverton & Collins, 237 W. Highland avenue.

Guild House (add.), Second and West Tabor road, Philadelphia, \$2,000. Architect, private plans. Owners, St. Albans Guild House, on premises. Stone, 1 story addition, 17x23 feet, steam heating, electric lighting. Contract awarded to Jas. C. Driscoll, 816 Weightman Building.

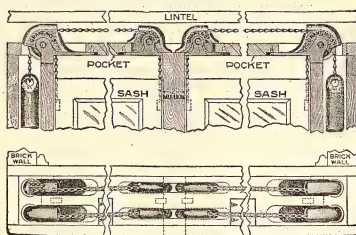
Boiler House, Manayunk, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Ripka Mills, Manayunk, Philadelphia. Stone, concrete and steel, 1 story, 70x98 feet, slag roof. Contract awarded to E. L. Cuthbertson, 334 Roxborough avenue.

Machine Shop, Tucker and James streets, Philadelphia, \$6,000. Architect, private plans.

ASPHALT SHINGLES

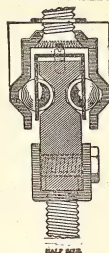
FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, tripart and quadruple windows.



Write
for
Catalogue
and
Discounts

THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted.
Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W, 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Owners, Fayette R. Plumb Co., on premises. Brick, 1 story, 44x144 feet, slag roof, steam heating, electric lighting. Contract awarded to Wm. Keas, 4624 Penn street, Frankford, Philadelphia.

Club House, 313 S. Broad street, Philadelphia, \$70,000. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, City Club of Philadelphia, Real Estate Trust Building, Philadelphia. Brick and stone, 4 stories, slag roof, steam heating, tile and marble work, electric lighting, elevator, fireproofing. Contract awarded to A. Raymond Raff, 1635 Thompson street, Philadelphia.

Garage, Germantown avenue and City Line, \$2,500. Architect, private plans. Owners, St.

Joseph's Convent, on premises. Brick and stone, 2 stories, 24x36 feet. Contract awarded to Wm. H. Parlamen, Devon, Pa.

Garage, 6808 N. Thirteenth street, Philadelphia, \$2,000. Architect, private plans. Owners, Mewes & Gregg, on premises. Brick, 1 story, 25x33 feet. Contract awarded to C. L. Hommerly, Melrose Park, Pa.

Store and Warehouse (alts.), 110 N. Front st., Philadelphia, \$2,000. Architect, private plans. Owners, Mewes & Gregg, on premises. Brick, 3 stories, consists of rear addition and interior alterations, slag roof. Contract awarded to Pomeroy Const. Co., 1609 Ransstead street, Philadelphia.

PENNSYLVANIA

Construction News

Church (alt. and add.), Swarthmore, Pa. Architect, private plans. Owners, Swarthmore M. E. Church, Swarthmore, Pa. Stone, 1 story, 48x21 feet, slag roof. Owners taking bids. E. J. Kreitzburg, 1345 Arch street, is figuring.

Showrooms and Offices (alts.), Harrisburg, Pa., \$15,000. Architect, Geo. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, E. M. Hershey, Harrisburg, Pa. Consists of remodeling residence for automobile showrooms and offices, brick, 3 stories, steam heating, electric lighting, hardwood floors. Plans in progress.

Garage and Apartments, Gettysburg, Pa., \$20,000. Architects, Gemmill & Billmeyer, York, Pa. Owner, George F. Eberhart, Gettysburg, Pa. Brick, steel, reinforced concrete and terra cotta, 1 and 3 stories, 57x180 feet, concrete roof, steam heating, electric lighting, composition flooring, metal lath. Plans in progress. Owner will sub-let.

Twin Residence, Lancaster, Pa., \$7,000. Architect, H. M. Bartholomew, 39 E. Grant street, Lancaster, Pa. Owner, T. J. Sherts, Lancaster, Pa. Brick, 3 stories, 36x60 feet, slag roof, hot air heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence, Springfield, Pa. Architect, Franklin D. Edmunds, Real Estate Trust

Building, Philadelphia. Owner, Edgar J. Thomas, Jr., 252 S. Front street, Philadelphia. Stone, 2½ stories, 40x50 feet, tile or slate roof, electric lighting, hot water heating, parquet and oak floors, tile work. Owner taking bids, due October 27th. The following are figuring: Edward Fay & Son, 2 S. Mole street; W. Harry Roberts, Ardmore, Pa.; Harry-W. Koch, Drexel Hill, Pa.

Residence (alt. and add.), Jenkintown, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Ellis D. Williams, Drexel Building, Philadelphia. Stone and frame, 2½ stories, slate roof, oak floors, tile work, metal lath, (heating, plumbing and electric work reserved). Architects taking bids, due October 29th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; George & Borst, 277 S. Eleventh street; Fred Elvidge & Son, 5522 Germantown avenue; H. H. Burrell, 206 S. Quince street; Jos. F. Myers, Jr., & Co., 1237 Ridge avenue; W. John Stevens, Wyncote, Pa.

Residence, Bryn Mawr, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Samuel Earl, Bryn Mawr, Pa. Fisklock brick and hollow tile, 2½ stories, 37x27 feet, shingle roof, oak floors, tile work, steam heating. Architects have received bids.

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
FOR WALLS AND CEILINGS
SUPERSEDES PLASTER

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts.

Gas Talks For Builders

A Cabinet Gas Range is now accepted as the standard type of Gas Range for the modern home.

Cabinet Ranges are manufactured in sizes ranging in width from 36 inches to 60 inches, and may be had in various combinations of equipment and capacity.

Let us co-operate with you as to space for installation. Call up the "Builders and Operators Division."

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.

**The Broomell System
of Vapor Heating**

The "NOVELTY" LAUNDRY STOVE

Answers the Growing Demand of House Buyers
in the Most Practical and Efficient Way.

It will Supply AMPLE HOT WATER AT ALL TIMES at a Cost of Only
a Few Cents a Day; and in addition will do Heat Light Irons on the Side
and a Large Wash Boiler on the Top

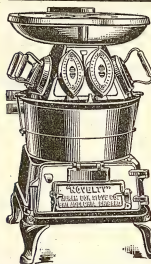
Write for Literature and See Why it is the Most Efficient
Appliance of its Kind

Manufactured by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.



Farmhouse (alt. and add.), Doylestown, Pa., \$5,000. Architects, Martin & Kirkpatrick, 130 S. Fifteenth street, Philadelphia. Stone, 2 stories, 23x20 feet, wing 14x32 feet, tin roof, hot water heating. Architects taking bids, due October 30th. The following are figuring: Specht & Sperry, Heed Building, Philadelphia; John Ramsey, Ivyland, Pa.; Frank Heston, Churchville, Pa.; W. John Stevens, Wynecote, Pa.; L. F. Prassinger, Doylestown, Pa.

Residence and Garage, Moylan, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, H. A. Heulings, Moylan, Pa. Hollow tile and plaster, 2½ stories, 60x32 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Plans completed. Architect ready for bids.

High School, Lebanon, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, care of John Selzer, chairman Building Committee, Lebanon, Pa. Brick, 2½ stories, 180x180 feet, tile roof, dampproofing, slate blackboards, tile and marble work concrete floors (heating, plumbing and electric work separate bids). Owners taking bids, due November 3rd at 6 P. M. (Note extension of time.)

The following is the complete list of bidders: Henry L. Brown, 1714 Sansom street; Cramp & Co., Denckla Building; E. E. Hollenback, Fifteenth and Race streets; F. W. Van Loon, Denckla Building; Thomas Reilly, 1616 Thompson street, all of Philadelphia; The Connors Bros. Co., 64 West Eighty-eighth street; John Lowry, Jr., 8 West Fortieth street, and W. H. Fissell & Co., Thirty-fourth and Broadway, all of New York City; William H. Fick and the Titzel Const. Co., Woolworth Building, both of Lancaster, Pa.; Beard Const. Co., Reading, Pa.; H. H. Buffmeyer, A. H. Whitmer, Sheik Bros., all of Lebanon, Pa.; Haupt & Rentz, Wyomissing, Pa.; Melton Const. Co., Eleventh and H street, N. W., Washington, D. C.; Dawson Const. Co., May Building, Pittsburgh, Pa.; J. F. Barnhart, Harrisburg, Pa.

Bungalow, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, H. Hassler, Reading, Pa. Cement blocks and stucco, 2 stories, 67x36 feet, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Picture Theatre, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Henry C. Keast, Reading, Pa. Frame, 2 stories, 32x90 feet, slag and tin roof, steam heating, electric lighting. Architect taking bids, due October 30th. The following are figuring: William R. Fromme,

Daniel Warner, Daniel Hunter, William Stumpf, all of Reading, Pa.; Haupt & Rentz, Wyomissing, Pa.; Irwin Arnold, Shillington, Pa.

Bottling House, Norristown, Pa., \$50,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Adam Scheidt Brewing Co., Norristown, Pa. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 54x130 feet, composition roof, electric lighting. Plans about completed. Architects will take bids in a few days.

Garage, Cynwyd, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, J. G. Duncan, Jr., Cynwyd, Pa. Stucco, 1 story, 16x11 feet, shingle roof, cement floors. Architect taking bids. Specht & Sperry, Heed Building, Philadelphia, are figuring (only bidders).

Residence and Garage, Merion, Pa. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 75x23 feet, slate or tile roof, hot water heating, electric lighting, hardwood floors, tile work, pressure water supply system. Plans in progress.

Residence, Moylan, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, H. A. Heulings, Moylan, Pa. Hollow tile and plaster, 2½ stories, 53x42 feet, Spanish tile roof, electric lighting, hot water heating, oak floors, tile work. Architect taking bids, due October 30th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; William R. Dougherty, 1610 Sansom street; H. E. Batton, Twelfth and Sansom streets; H. E. Grau Co., 1707 Sansom street, all of Philadelphia; Herbert L. Walton, Moylan, Pa.

Laboratory Building, Glenolden, Pa. Architect, private plans. Owners, H. K. Mulford Co., 412 South Thirteenth street, Philadelphia. Hollow tile and plaster, 3 stories, 65x30 feet, asbestos shingle roof, composition floors (heating and electric work reserved). Builder, Thomas M. Seeds, 1207 Race street, Philadelphia, is taking sub-bids.

Residence, Morris Heights, Pa., \$4,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, George Fell, Morrisville, N. J. Brick, 2½ stories, 30x38 feet, slate roof, vapor heating, electric lighting, tile work. Plans in progress.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

The original and only real VAPOR SYSTEM.
Installed in over ten thousand buildings of every kind
and size. It will pay you to investigate.
VAPOR HEATING CO., YORK : PA.

HARTMAN BLDG.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1482 mailed on request.**The New Jersey Wire Cloth Co.**Manufacturers and Distributors of
ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N.J.OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

PENNSYLVANIA**Contracts Awarded**

Residences (3), Springfield, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Realty Co., Commercial Trust Building, Philadelphia. Stone, brick, frame and plaster, 2½ stories, 25x33 feet each, slate roofs, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to W. Harry Roberts, Ardmore, Pa.

Residence (alt. and add.), Cynwyd, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Mrs. Dorothy J. Baseler, Cynwyd, Pa. Stone and frame and plaster, 2½ stories, shingle roof, (heating, and electric work reserved). Contract awarded to Harry Seasholtz, Wayne, Pa.

Parochial School, Lancaster, Pa., \$10,000. Architect, M. R. Evans, 10½ E. Orange street, Lancaster, Pa. Owners, St. Anthony's R. C. Church, Lancaster, Pa. Brick, 3 stories, 50x80 feet, tin roof, steam heating electric lighting. Contract awarded to J. Stumpf & Son, Lancaster, Pa.

Residence, Lancaster, Pa., \$8,000. Architect, M. R. Evans, 10½ E. Grant street, Lancaster, Pa. Owner, Dr. Frank S. Alleman, Lancaster, Pa. Brick, 2½ stories, 20x60 feet, slate roof, hot air heating, electric lighting, hardwood floors, tile work. Contract awarded to Samuel H. Bally 514 S. Shippen street, Lancaster, Pa.

Drug Store (alts.), Lancaster, Pa., \$3,200. Architect, private plans. Owners, Riker-Hegeman Co., 340 W. Fourth avenue, New York City. Consists of new front and interior alterations, mosaic floors (electric work reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Garage and Farm Building, Berwyn, Pa., \$11,400. Architect, Herbert J. Wetherill, 323 Chestnut street, Philadelphia. Owner, Dr.

George C. Stout, Berwyn, Pa. Hollow tile and plaster, 2 stories, 30x60 feet, shingle roof, hot water heating, electric lighting, gasoline pump and storage system. Contract awarded to F. B. Davis, 240 N. Sixteenth street, Philadelphia.

Residence (rebuilding), Villa Nova, Pa., \$20,000. Architect, private plans. Owner, T. Wistar Brown, Vice President, Provident Life and Trust Co., Fourth and Chestnut streets, Philadelphia. Stone, 2½ stories, tile roof, steam heating, electric lighting, oak floors, tile work. Contract awarded to Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Sub-Station No. 2, Eddystone, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Beacon Light Co., Chester, Pa. Hollow tile and steel, 1 story, 36x36 feet, slag roof, reinforcing bars. Contract awarded to Pomeroy Const. Co., 1609 Ransstead street, Philadelphia.

Warehouse, Penn street, below Second street, Reading, Pa. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owners, G. H. Delp & Co., 12 South Eighth street, Reading, Pa. Reinforced concrete, brick and terra cotta, 4 stories, 210x40 feet and 40x57 feet, slag roof, steam heating, electric lighting, kalamein doors, metal lath, steel sash, waterproofing, rolling steel doors, enameled bricks, reinforcing bars, tile work (elevators reserved). Contract awarded to Charles H. Schlegel, Reading, Pa.

Residence and Garage, Elkins Park, Pa. Architect, private plans. Owner, David A. Ferro, Elkins Park, Pa. Frame and stucco, 2½ stories, 40x27 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

NEW JERSEY**Construction News**

Bungalow, Pine Valley, N. J. Architect, Hugh Tallant, 345 Fifth avenue, New York City. Owner, Thomas E. White, Stephen Girard Building, Philadelphia. Brick, frame and plaster, 1½ stories, 55x65 feet, shingle roof,

staam heating, electric lighting, tile work, metal lath. Owner taking revised bids, due October 30th. The following are figuring: E. J. Kreitzburg, 1345 Arch street, and Royden K. Lippincott, Stratford, N. J.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.**BUILDING CONSTRUCTION**

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

**WELLS DRILLED**

Test Borings

Ask for Prices

JOHN B. RULON

1355 Colwyn Street

Philadelphia, Pa.

Residence and Garage, Woodcliff Lake, N. J. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Edwin Gibbs,

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building
Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

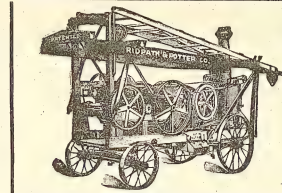
THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
- PHILADELPHIA, PA.



New York City. Hollow tile and plaster, 2½ stories, 30x50 feet, shingle roof, hardwood floors, tile work, vapor vacuum heating, electric lighting; Garage, 1 story, 20x22 feet, shingle roof, concrete floors, oil storage system. Plans in progress.

Laboratory, Quarry street and Taylor alley, Trenton, N. J. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, Geological Survey of New Jersey, Trenton, N. J. Brick, 3 stories, 43x55 feet, slag roof, concrete and composition floors, (steam heating, electric



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

lighting and plumbing separate bids). Lowest bid submitted by Edward Fay & Son, 2 S. Mole street, Philadelphia, \$14,379.

School, Paulsboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Paulsboro, N. J. Brick, limestone trimmings, 2 stories, 30x100 feet, slate roof, metal lath, kalemoin doors, slate blackboards, dampproofing, concrete floors, reinforcing bars, safety treads (heating, plumbing and electric work separate bids). Revised plans in progress.

Psychopathic Building, Trenton, N. J. Architect, Geo. S. Drew, State Capitol Building, Trenton, N. J. Owners, State Hospital of New Jersey, Trenton, N. J. Stone and concrete, 5 stories, 46x94 feet, slag and tile roof, composition floors, steel sash, elevator, ornamental iron (steam heat, electric light and plumbing separate bids). Lowest bidders, Geo. B. Wills

& Co., 101 Park avenue, New York City, \$42,887.

Residences (2), Trenton, N. J., \$3,200. Architect, private plans. Owners, Smith & Cook, Trenton, N. J. Brick, 2½ stories, 13x30 feet each, slate roofs, hot water heating, gas lighting. Owners are sub-letting all contracts.

Residences (3), Trenton, N. J., \$5,400. Architect, private plans. Owners, F. Friedel & James McDade, 1413 Hamilton street, Trenton. Brick, 2½ stories, 15x23 feet each, slate roofs, hot air heating, gas lighting. Owners are sub-letting all contracts.

Bungalow, Merchantville, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, William Wagner, Merchantville, N. J. Concrete and frame, 1½ stories, 52x33 feet, shingle roof, hardwood floors, hot air heating, electric lighting. Plans in progress.

NEW JERSEY

Contracts Awarded

House of Dentention, Trenton, N. J., \$50,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, State House Commission, Trenton, N. J. Brick and concrete, 2 stories, 60x186 feet, and 3 stories, 34x60 feet, slag roof, metal lath, waterproofing and damp-proofing concrete and composition floors, (steam heating, electric lighting and plumbing separate bids). Contract awarded to Gustave DeKimpfe, 70 Hudson street, Hoboken, N. J.

General Warehouse, Camden, N. J. Architect, private plans. Owners, New York Shipbuilding Co., Camden, N. J. Brick and steel, concrete foundations, 1 story, 80x200 feet, asbestos roof, metal sash. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Store House, Camden, N. J. Architect, private plans. Owners, New York Shipbuilding Co., Camden, N. J. Brick and steel, concrete foundations, 1 story, 88x100 feet, asbestos roof, metal sash. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

Factory and Warehouse, Camden, N. J. Architect, private plans. Owners, Eavenson & Levering, 217 Atlantic avenue, Camden. Brick, steel and reinforced concrete, 1 story, 132x112 and 80x100 feet, slag roof, reinforcing bars, (heating and electric work reserved by owners). Contract awarded to George Kossler Contracting Co., Drexel Building, Philadelphia.

Imbecile Building, Vineland, N. J., \$30,439.

Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Home for Feeble Minded Women, care of Dr. Madeline Hollowell, superintendent, Vineland, N. J. Brick, 2 stories, 120x50 feet, metal lath, waterproofing and dampproofing, composition floors, slag roof (steam heating, electric lighting and plumbing separate bids). Contract awarded to Edw. Fay & Son, 2 South Mole street, Philadelphia.

Dining Service Building, Vineland, N. J., \$29,385. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Home for Feeble Minded Women, care of Dr. Madeline Hollowell, Vineland, N. J. Brick, 1 story, 150x192 feet, composition floors (steam heating, electric lighting and plumbing separate bids). Contract awarded to Edward Fay & Son, 2 South Mole street, Philadelphia.

Power Plant, Vineland, N. J., \$10,987. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Home for Feeble Minded Women, Madeline Hollowell, Vineland, N. J. Brick, 1 story, 64x56 feet, slag roof, concrete floors (steam heating, electric lighting and plumbing separate bids). Contract awarded to Edward Fay & Son, 2 South Mole street, Philadelphia.

Residence, Trenton, N. J., \$7,000. Architect, Harrison Voorhees, Trenton, N. J. Owner, William H. Griggs, 1310 West State street, Trenton, N. J. Brick, limestone trimmings,

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY-PLAIN HARDWOOD-MAPLE-PINE AND EVERY KIND
LAYING-PLANING-FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

2½ stories, 32x37 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to William Hicks, 1310 West State street, Trenton, N. J.

Residences (2), Trenton, N. J., \$4,000. Architect, private plans. Owner, Laura Yarden, Trenton, N. J. Brick and frame, 2½ stories, 14x40 feet each, slate and tin roof, hot water heating, electric lighting. Contract awarded to Edward A. Lee, 511 Tyler street, Trenton, N. J.

Residences (2), Trenton, N. J., \$5,400. Architect, private plans. Owners, Greenwood Realty Co., Forst Richey Building, Trenton, N. J. Brick, 2½ stories, 28x48 feet each, slate roofs, hot water heating, gas and electric lighting. Contract awarded to James Birks, Forst Richey Building, Trenton.

Residence, Cream Ridge, N. J., \$4,200. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Joseph Holmes, Cream Ridge, N. J. Brick, 2 stories, 28x33 feet, slate roof, tile work (heating reserved). Contract awarded to Burton & Burton, American Mechanics' Building, Trenton, N. J.

Residences (2), Trenton, N. J., \$4,000. Architect, private plans. Owner, Matthew Reardor, Trenton, N. J. Brick, 2½ stories, 15x28 feet each, slate and tin roofs, hot water heating, electric lighting. Contract awarded to David Tietz & Son, Trenton, N. J.

Residence and Garage, Trenton, N. J., \$6,500. Architect, private plans. Owner, Leonard Dietrich, Emory and Anderson streets, Trenton. Brick, stone trimmings, 2½ stories, 42x28 feet; garage, 23x34 feet, slate and tin roof, hot water heating, electric lighting. Contract awarded to Stephen Diekneit, 440 West Hanover street, Trenton.

Apartment House, Flemington, N. J., \$3,050. Architect, private plans. Owner, G. Fred Jordy, Flemington, N. J. Frame, 2½ stories, 25x36 feet, shingle roof, steam heating, electric lighting. Contract awarded to Hiram Ditts & Son, Flemington, N. J.

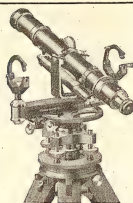
Miscellaneous Construction News

Factory, Brooklyn, N. Y. Architects, Francis & Jacobus, 200 Fifth avenue, New York City. Owners, American Tobacco Co., 111 Fifth avenue, New York City. Reinforced concrete, 5 stories, 200x232 feet, composition roof, reinforcing bars, safety treads, damp-proofing and waterproofing, tile and mosaic work, composition flooring, metal sash, kalamain and fire doors (heating, electric work and elevators reserved). Architects taking bids. Irwin & Leighton, 126 N. Twelfth street, Philadelphia, are figuring.

Pier Superstructure, East River, N. Y. City. Engineer, M. A. Long, B. & O. Building, Baltimore, Md. Owner, Baltimore & Ohio Railroad Co., Baltimore, Md. Steel and corrugated iron, 242x50 feet and 481x75 feet, cement, tile and composite roof, steam heating, steel sash (electric work reserved). Owners taking bids, due November 3d. Roydhouse-Arey Co., Fidelity Building, and Irwin & Leighton, 126 N. Twelfth street, Philadelphia, are figuring.

Post Office (add.), Huntingdon, W. Va. Architect, James A. Wetmore, Treasury Department, Washington. D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone and steel, fireproof, 2 stories, composition roof, safety treads, damp-proofing, wire lath, marble and terrazzo, metal weather strips, steam heating, electric lighting. Owners taking bids, due November 16th, at 3 P. M. Chas. McCaul Co., 1713 Sansom street, Philadelphia, is figuring.

High School, Canton, Ohio. Architect, Geo. F. Hammond, 4220 Prospect avenue, Cleveland, Ohio. Owners, Board of Education, Canton, Ohio. Brick, terra cotta, concrete and



MAKE A RIGHT START

on your new Building Operation! Don't under estimate the importance of getting correct lines and levels quickly and accurately. The

Sterling Convertible Builders' Level

has been designed by us expressly for Architects, Building Contractors, &c., and has exclusive time-saving features worth knowing about! Compare it with others and CONVINCE YOURSELF before buying. Our Free Examination Offer enables you to do this at our expense. Write TO-DAY for Folder No. 4g and Special Offer.

All makes Transits and Levels repaired, bought, sold, and exchanged.

WARREN-KNIGHT COMPANY

136 N. TWELFTH STREET, PHILADELPHIA

steel, fireproof, 3 stories, 213x117 feet, composition roof, waterproofing, iron stairs, metal sash, (heating, plumbing and electric work separate bids). Owners taking bids due November 2d. Melody & Keating, Bailey Building, Philadelphia, are figuring.

Agricultural Building, Newark, Del. Archi-

itects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware College, H. Rodney Sharp, chairman Building Committee, DuPont Building, Wilmington, Del. Brick, 2½ stories, 178x54 feet; two wings, 45x55 feet and 38x78 feet, slate roof, steam heating, electric lighting. Plans in progress.

MARYLAND Construction News

Penitentiary (alts.), Baltimore. Architect, P. E. Forney, 813 Newington avenue, Baltimore, Md. Owners, State of Maryland. Consists of alterations to dining and kitchen buildings, painting, plastering, flooring, kitchen equipment. Owners taking bids. Cowan Building Co., 106 West Madison street, and Monmonier & Sorrell, 1711 McCulloh street, Baltimore, are figuring.

Residence, Wardour Station, Md. Architect, T. J. Fuller, 806 Seventeenth street, N. W., Washington. D. C. Owner, Dr. Frank Anderson, Wardour Station, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting, hardwood floors, tile work. Architect taking bids. Gladfelter & Chambers, 729 Roland avenue, Baltimore, and Burns & Russell, American Building, Baltimore, Md., are figuring.

Residence, Kingsville, Md., \$20,000. Architect, Thomas Bond Owings, 347 North Charles street, Baltimore. Owner, J. C. Taliaferro, Kingsville, Md. Frame, 2½ stories. Details not decided. Plans in progress.

Picture Theatre, 404-406 North Howard street, Baltimore. Architects, Sparklin & Childs, Law Building, Baltimore. Owners, Howard Amusement Co., Baltimore, Md. Brick, 1 story, slag roof, steam heating, electric lighting. Plans completed. Architects ready for bids.

Bakery and Garage, 416 North High street, Baltimore. Architect, John Freund, Jr., 11 East Lexington street, Baltimore, Md. Owners, City Baking Co., Equitable Building, Baltimore. Reinforced concrete and steel, fireproof, 3 stories, 73x100 feet, slag roof, steam heating, electric lighting. Architect taking bids. The following are figuring: Charles L. Stockhausen, Marine Bank Building; R. B. Mason, 308 West Madison street; G. Walter Tovell, Eutaw and McCulloh street; Bennett Building Co., 123 South Howard street; Edward Watters & Co., 509 North Charles street; Consolidated Engineering Co., Calvert Building; C. E. Stubbs, The Wentworth; John F. Kunkel, 29 South Linwood avenue, all of Baltimore, Md.

Picture Theatre, Monument street and Patterson Park avenue, Baltimore. Architect, W. Raymond Russell, American Building, Baltimore. Owners, Cortez Amusement Co., Baltimore, Md. Brick, 1 story, 35x125 feet, slag roof, steam heating, electric lighting. Architect taking bids. The following are figuring: Cowan Building Co., 106 West Madison street;

West Construction Co., Knickerbocker Building; R. B. Mason, 308 West Madison street; Adam Kratz, 118 South Carrollton avenue; Burns & Russell, American Building, all of Baltimore, Md.

Engineering Building, Homewood, Baltimore, Md., \$160,000. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Johns Hopkins University, Homewood, Baltimore. Stone, brick and steel, fireproof, 3 stories, 204x100 feet. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore, Md.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.

DEFINITE RECOMMENDATIONS FOR IMPROVING THE STATUS OF THE HEATING ENGINEER

(Continued from last week.)

The Government, and a great many of the municipal departments throughout the country are maintaining either separate or co-ordinate engineering and architectural departments, and the State commissions and other similar bodies are requiring that architects in competition shall employ engineers satisfactory to the commission. It is evident that in such cases the value of the proper handling of the engineering work is being appreciated. It is also noted that among the contractors there are quite a few now who are refusing to bid upon engineering plans and specifications which are not directly in charge of an engineer. This movement is not prompted by any personal or political motives, but is born of a spirit of self-preservation of the financial and engineering reputation of such concerns, against the making good of unforeseen troubles and the changing of work in place, where details are not properly worked out, and other evil effects of unsatisfactory engineering.

As to what is being done towards the elimination of the drawing of plans and specifications by manufacturers, some agitation has been carried on by this society, and the manufacturers themselves have had the matter up for serious consideration since 1910. As a result, a great many of the manufacturers have discontinued the practice, and the majority of the rest, we believe, are willing to do so as soon as they can see that it is to their advantage.

Engineering Fees.

Under this heading the principal need mentioned is the standardization of fees. The following schedule is submitted and its adoption by the heating engineers' society recommended. The committee also recommends that the work started by the joint committee of The American Society of Heating and Ventilating Engineers and the American Institute of Architects be reopened for the purpose of showing the architects the wisdom and propriety of adopting the heating engineers' schedule, along with others:

	Cost.	Fee.
Residence heating jobs below	\$1,000	\$50.00
		10 P.C.
Repairs and alterations,		
New work	\$5,000	10 P.C.
	or less	
New work	over \$5,000	6 P.C.

A point is made of the fact that a great deal of engineering work is being done for less compensation that will provide for its being done properly. A great many engineers appear to be sacrificing their own reputations, the high standards of the profession and the interest of the work as a

whole, to commercialism and their own immediate interest; in other words, there seems to be a tendency to strive for large business at a small fee, and to turn out work which will not do credit to the profession.

An attempt to formulate some schedule of fees disclose the fact that in 1900 and 1901 there was a conference between committees representing our society and the American Institute of Architects that resulted in an agreement that the owner should pay for such engineering service as the architect required. It remained for the society to formulate a schedule of fees for engineering services, and to reach some agreement regarding same with the architects, but as far as can be discovered this was never done.

We would call your attention to the following provisions which now exist in Section 3 of the American Institute of Architects' Principles of Professional Practice:

"On Superintendence and Expert Service."

"On all work except the simplest, it is to the interest of the owner to employ a superintendent or clerk of the works. In many engineering problems and in certain specialized esthetic problems, it is to his interest to have the services of special experts and the architect should so inform him. The experience and special knowledge of the architect make it to the advantage of the owner that these persons, although paid by the owner, should be selected by the architect under whose direction they are to work."

The committee considers these provisions indefinite and subject to improper use and interpretation. As such they form one of the weak points in what is otherwise a very rigid set of safeguards which the architects have chosen for regulating their professional ethics.

The architects could be shown that it would not only be to our advantage, but to theirs as well, to amend this section so as to include a minimum schedule of fees for engineers, which would eliminate inferior engineering and its reflection upon our profession and theirs.

As the matter now stands, the architect in many cases collects the whole fee and pays the engineer out of same. With this arrangement the architect who would not break the rules of his profession by cutting his own fee may accomplish the same end by cutting the engineer's fee with impunity. This means that the architect who uses and pays for good engineering service, and by so doing is serving both his profession and ours and the public honestly, is at an unfair disadvantage with the architect who will cut the fees for the engineering.

The most important ethical point for the society to cover in the matter of fees is that in reference to residences, in which the service of the engineer is valuable to the last degree. For such work the engineer is so seldom employed that charges cannot be reliably given. Some engineers hold that the minimum should be \$50.00; others say 10 to 15 per cent. and they claim to do some work at this rate. Others say not less than 6 per cent. Others claim that for factory, school, church and public buildings, the work be divided into direct radiation plants and blower plants. Some office costs which have come to our attention run from 3½ to 4 per cent., including inspection.

The above figures are for average size jobs and will vary some, but are considered a fair average and sufficient to show that practically all of the engineering which is being done below 5 per cent. is either being done at a loss, or is not productive of work which will probably be satisfactory to clients or creditable to the profession.

We have nothing now for the man who to conform to, nor for any engineer to point wants to obey the rules of law and order to as the recognized value of his services. Accordingly we have worked out a schedule of minimum charges.

A sliding scale schedule has been selected for three reasons: First, because other professional men have found it necessary and proper; second, because the office costs do not vary directly with the cost of the work; and third, because engineers will naturally scale their prices down as the size of the job increases, rules or no rules.

The Efficiency of Engineering.

It is stated in this connection that a great deal of engineering is being done poorly and so as to prove uneconomical simply to save time and cheapen the cost of engineering. This, it is said, is at the expense of false economy to clients and is a detriment to the profession. In the committee's opinion, the remedy for this lies in putting engineering on a better business footing and bringing the public to realize more fully that it is a paying investment.

Indications are also found tending to show that engineers are not turning out the best work that is in them and are not drawing the line closely enough between good work and short cut methods. As an illustration, the greatest number of piping, duct and transmission systems are designated from average tables, without going to the trouble to work out figures for particular cases.

Such individual handling of particular cases would often result in substantial savings from lower cost and better operation as a return for a comparatively small extra engineering fee. Such matters must be explained to the owners and architects, however, and there is apparently a reluctance on the part of engineers in using such means in promoting the advancement of the profession.

Responsibilities of the Engineer.

The accepted arrangement of affairs today, according to the report, undoubtedly places unfair responsibilities upon the engineer. A movement should be started to rectify this condition and to prevent any tendencies toward further unfairness in this particular.

There also seems to be a tendency on the part of engineers to assume more responsibility, and to allow more of the burden of proof to be thrust upon them than is true of other professions. Owners and architects are also demanding that engineers guarantee and bond the proper working of their plants. Also a few engineers who are siding with this view. At the same time the architects and other professional men are not guaranteeing the result of their services, but are simply striving for the best and allowing the clients to take the risks. There is nothing in the ordinary engineering fee to cover more than the barest compensation for services rendered, and surely nothing at all to cover any insurance of the risk, which is naturally attached to every business venture.

If such an extra fee is charged and understood the conditions are, of course, different, but it seems that this favoring of the engineers' guaranteeing their work is simply placing upon the an unfair handicap not borne by any other professions.

In this same connection a tendency is noted on the part of engineers to allow architects and others to shift the whole responsibility for the fitting of the engineering equipment into place (with the building and other items), on to the engineer's shoulders. The engineer is expected, not only to furnish all data as to sizes and requirements of his apparatus (all of which he should furnish, of course), but is sometimes required to follow up and check architectural plans and see that these requirements are met. Furthermore, he is expected to check the architectural plans against all interference between his work and that of others. After this he is required to follow up on the job and see that the architect's plans and specifications are followed out, as far as his work is involved, and that nothing is installed to interfere with the engineering work.

This involves looking after a great volume of work upon which no fee is ever figured for the engineer. He is also expected to be perfectly familiar with the building and all other kinds of plans, whereas others on the job are most generally very ready to disclaim any knowledge of the first meaning of an engineering plan.

Furthermore, too many engineers are apt to allow their contractors to be burdened with unfair responsibilities and burdens of proof. Such as the changing of work in place, where the fault lies with someone else, and the sole proving of their claims in this connection, whereas, some of the burden should rest with the other contractors involved. The unfair treatment of a contractor in this way tends to increase the

cost of the next job and to embitter the contractor against engineers.

Under this heading of the shifting of responsibility, there is also noted the tendency of engineers to shift a part of their own responsibilities, such as supervision and details, to others, so as to cheapen their services; but, of course, this is at a greater cost to the job.

The Separation of Contracts.

The committee endorses the movement for the separation of contracts, "broadly speaking, and on public work in particular." It believes that a great deal of harm is resulting from the practice of letting the engineering contracts as a part of general contracts, if the general contractor has neither financial nor moral responsibilities. In a number of States there is a law against this on public work.

The master fitters and plumbers are working in the interest of such laws in a number of States. In other localities engineering contractors are handling the situation by refusing to bid to general contractors of the kind mentioned. The resolution passed at the last meeting of the American Institute of Architects in New Orleans is quoted in full, as well as the following resolution passed by the National Electrical Contractors' Association in July, 1914:

"Resolved, that the National Electrical Contractors' Association of the United States, in convention assembled, concurs in the resolution adopted by the American Institute of Architects last December, at New Orleans, covering the segregation of plumbing, heating and electrical equipment, from building contracts; and that a copy of this resolution be sent to the Secretary of the American Institute of Architects."

The proper handling of such work involves the maintenance of departments; they are not as capable of properly supporting as are the engineers, who are regularly engaged in this particular work. They are also naturally lacking in the proper viewpoints which are very essential to the best interests of any undertaking.

This does not mean, of course, that all work so handled is suffering, but it seems to be pretty well proven, that the system is objectionable and that abuses are being practiced to such an extent as to warrant the serious consideration by all parties concerned, of changing the system, especially on all public work.

Examples of Some of the Abuses.

The following might be cited as examples of some of the abuses, which are working to the detriment of the engineer and sub-contractor.

We have all realized for some time that the irresponsible general contractor, in a great many cases, does most all of his business on the sub-contractor's capital as follows: The general contractor, receiving the payments, naturally holds the whip hand, and upon one pretext or another, may hold up payments, thus accumulating money

upon which to run his business, while the sub-contractor must meet his bills for material and labor in the meantime. If the general contractor fails, the sub-contractor has no recourse on the owner, who can take his labor and material for which he has received no pay, just the same as that for which he has been paid.

The sub-contractors are also saddled with all kinds of claims for delays and penalties and with the responsibilities for non-compliance with plans and specifications, and in a great many cases very unreasonably so, and may be made to submit under penalty of not receiving their payments.

It is also difficult to secure an equitable settlement of disputes and claims arising between the work of the general contractor and that of the sub-contractors, due to the fact that the other parties concerned are represented before the architect and owner by the general contractor, who is naturally their opponent in such matters.

Again the owner may pay the general contractor a fair price for his equipment (based upon a good fair price from the sub-contractor to the general contractor at the time bids are taken) and the general contractor may shop around and either beat his sub-contractor down, or get an incompetent cheap substitute to do the work. Of course, in either case, the work is never as well done by an incompetent man, or by a competent one who has been beaten down in price, as by a competent one at a fair price.

Again, if the principal representative (among the contractors) is one having the greatest interest at heart in the building only, he will make the equipment, which is of great importance, so subservient of the rest, that it is impossible for the engineer or sub-contractor to secure the best results.

Also in cases where contracts are taken too low, or where the contractor may be desirous of securing an unfair profit at the expense of the owner, it is an easy matter for him to squeeze this out of sub-contractors, upon whom the blame can be laid and against whom the owner has no recourse. In the case where a general contractor takes work too low, he generally fails to realize this until most of the building contracts are let, and then whatever deficiency is to be recouped, must be made up out of the equipment.

In all of the above arrangements, the sub-contractor is the first loser, but the architect, the engineer, the general contractor and the owner are, perhaps, greater losers, in the quality of the work, and general results attained; since the sub-contractor could well afford to do work better and cheaper under fairer and more agreeable conditions.

The principal argument the owner and the architect have against any of the above is, that by the employment of a general contractor, they are relieved of a great deal of responsibility and have only the one head to deal with, who is responsible for the

(Continued on page 694.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY
Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., OCTOBER 27, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President. *R. Clifton Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Broekie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantinger.

Editorial Comment

An article in the pages of the "San Francisco Architect and Engineer," from the pen of William Arthur Newman, presents a somewhat more hopeful view than has commonly been taken of the new policy of the Treasury Department with regard to the erection of public buildings. Mr. Newman's article discusses the new post office at Berkeley, California, an example of the policy referred to, and offers evidence of a more or less convincing character to show that this policy may prove to be much less objectionable in practice than it has seemed to be in theory.

"An order issued by the Secretary of the Treasury to the Supervising Architect's office," writes Mr. Newman, "puts into effect his policies with reference to the construction of future post offices and Federal buildings."

"Since the advent of the present administration architectural publications and periodicals of general circulation have devoted considerable space to discussions for improvement in this work, and the present policy is the outcome of heated debates by extremists on both sides."

"Some economists have advocated abandoning the creditable standards which have prevailed for the past fifteen years, seeking to have Federal buildings designed like warehouses or factories, obsessed with the practical, and losing sight entirely of the architectural and esthetic values. On the other hand, over-zealous partisans have gone to the other extreme, where common sense and sound business judgment would dictate otherwise."

"There is a happy medium between these two extremes, and it is apparent the Secretary aims to provide new buildings, not only practical and suitable for the needs of the community in which they are to be placed, but also as beautiful as can be designed with the means available; buildings which will educate and develop the public taste and eventually elevate it to a higher plane."

"The new order seeks to establish a national system of uniformity and business economy in the construction of Government buildings and to get away from the old 'hit and miss' system which has cost the people many millions of dollars."

"Under the old system buildings were constructed to fit whatever appropriation Congressmen were able to get for their towns, without regard particularly to whether or not the building was suitable for the locality or the needs of the Government service."

"As a result of this system, small villages often got costly and elaborate stone structures where they were not needed, and other localities less fortunate and where increased facilities were greatly required, were given inadequate buildings or none at all."

"Under this system Congress authorized by the score post office buildings costing from fifty thousand to one hundred and fifty thousand dollars in towns where the total receipts

of the post office would not pay for the maintenance of the building when erected."

"In the design of the new buildings consideration is to be given to what is appropriate to the respective communities, both as to the type of building to be erected and the materials to be used, and this is to be kept in mind, notwithstanding the authorizations may permit of much more elaborate treatment. Effort is to be made to conserve rather than unnecessarily to expend appropriations. This does not mean that savings are to be effected at the expense of space and facilities, or that the designs employed are to be stripped of ornamentation. The buildings are to be in keeping in their architectural design and in the materials to be used in their construction with the communities in which they are to be placed."

* * *

"The new Berkeley post office, now nearing completion, is a good example of the type of building which the recent order will provide; a Renaissance building, fireproof, with steel frame construction and tile roof, containing two stories and basement, costing approximately \$130,000."

"The site is centrally located at the corner of Allston Way and Milvia street, adjoining the Elks Club and the Shattuck Hotel."

"Bedford, Indiana, limestone has been used up to the watertable line with granite steps; the walls above are of cement stucco with terra cotta trimmings, having a sand-cream finish, used for the first time on the Pacific coast. Kasota marble columns support the vaulted arches over the main entrance-loggia extending across the entire front."

"The first floor will be occupied by the post office department. On the second floor quarters have been assigned to the Civil Service Commission and Bureau of Animal Industry and other Federal officials."

"The interior finish in the public lobby is in oak and marble with ornamental bronze and plaster."

"The construction of this building comes under the jurisdiction of the office of J. W. Roberts, supervising superintendent. Van-Sant Houghton Company were the general contractors."

"Local materials were used in the construction as far as practicable, but in the new order Secretary McAdoo states: 'While I recognize the fact that frequently strong sentiment is expressed in favor of the use of local materials in the construction of public buildings, I do not feel justified in limiting competition to such materials, or in awarding contracts for materials so produced at prices which amount to subsidizing local industries.'"

"The new Federal building in Berkeley has received the commendation of local architects, and upon completion of some remaining grill work and installation of lighting fixtures the

structure will be a source of pride and satisfaction to all."

* * *

The grave objection to the new policy is that a successor to Mr. McAdoo, less observant of the artistic proprieties, might easily make it the instrument for inflicting upon the country a series of hideously stereotyped structures not merely similar as to type, but lacking in the basic virtues of good taste and representative dignity. In other words, the new policy leaves too much to the individual judgment of the head of the Treasury Department and might therefore lead to building bad both as to design and material. The fact that the Berkeley post office, one of the first to be constructed under the new order, "has received the commendation of local architects," is a subject for congratulation. There was every reason to believe that it would achieve no such happy outcome.

* * *

Under the heading, "What is an Architect?" Charles C. Rich, an Oregon man, contributes a very clear and convincing, if homely, outline of the status and importance of the architect.

"What and who is an architect?" asks Mr. Rich. "Is the practice of architecture a trade or a profession? If a trade, how does it differ from that of a carpenter or a mason? If a profession, what is there in it which so dignifies it? Just what is an architect's relation to building operations? Are his services of any value, or is he only another middle man who steps in and helps to gobble up the poor owner's funds?"

"These are questions which long-headed investors have learned (sometimes by bitter experience) to answer; but the fellow who has never 'built' really doesn't know, and to him these questions should be pertinent, for there is perhaps no profession about which there is as much general misunderstanding as that of architecture.

"Billy Sunday sometimes says to his converts: 'No, you don't have to join a church to get to heaven; you don't have to take a boat to get to Europe—the swimming is good.' You certainly don't have to hire an architect to get a building—the swimming is good. Why have a general for an army? Why have a chief for a fire department? Why have a head for any job?"

"But," you say, "my builder is my architect; he is the boss; he has been building for 20 years, and he draws plans, too." No, Mr. Investor, he is not an architect. He may say he is, but he is no more an architect than the old-style butcher-mayor is an expert on city government. He may, however, be a butcher—a wood butcher.

"In some States the words 'architect' and 'architecture' are defined by law. The State of Oregon makes no such definition. Consequently those legitimately qualified to practice architecture as architects have no way of offsetting the misuse of the name and the general lack of understanding of the architect and his usefulness. It is the purpose of this discussion to make clearer the function of the architect and his relation to the prospective in-

vestors and to the several tradesmen who contribute their services to building operations.

"The doctor and the lawyer, both professional men, are not compelled to define their functions in society. Their positions are generally understood through restrictions of law and custom. But architecture, a no less honorable profession, and certainly no newer and no less important, is at a disadvantage in this particular locality where safeguards in the wild scramble for immediate riches are so easily ignored.

"The architect is a genuine safeguard; a safeguard against poor planning and poor construction, a safeguard against poor ventilation, a safeguard against ugliness in form and color. He is an expert, trained by years of study in school and travel and practice; an expert builder, plus an artist in design and planning. He may never have lifted a saw or a hammer, and yet he is a craftsman in the largest and truest sense; indeed the chief craftsman.

"Everyone is familiar with the organization of men on a building job up to the point of the contractor or the general contractor. The first unit is the laborer; above the squad of laborers is the straw boss, who is able to correlate the work of his little group.

"Above the several straw bosses is the foreman; and above the foremen of the several trades—the excavators, the bricklayers, the plumbers, the painters, the plasterers, and all the rest—is the superintendent, or the general contractor. Upon the shoulders of this estimable gentleman rests all the risk and hazard for the profits for the entire aggregation. He has advanced money and bonded himself, and he, therefore, becomes a very much interested and prejudiced party in the contract.

"Every action and process affects his pocketbook. His interests, to a large degree, are directly opposed to those of the owner. The owner is thrown on the offensive and he is on the defensive, or vice versa.

"If there are several contractors, the owner is at the mercy of several men, each with conflicting interests. The owner may think that he is shrewd enough to command from these men a certain quality of material or workmanship, but he cannot meet them on an equal footing, for he is dealing with men, all of whom know more than he does about building customs and standards. No adequate plans or specifications can have been prepared, and in case of dispute he has no recourse but the courts, and even at court he is at an evident disadvantage.

"All this, I am sure, is granted. Now, let us suppose a parallel case. A man (the owner) becomes ill. He knows that hospitals are for sick people. He goes to the manager of a hospital (the contractor) and contracts to have his body (the building) restored or rebuilt. The hospital man deals with his case to the best of his knowledge—but the sick man has not gone at the task of getting well in the right way.

"He has left the advisor and expert out of his arrangement. He may get well, but he should have had a physician as a safeguard. Leaving the expert advice of an architect out

of consideration in a building undertaking shows as poor economy as leaving out the expert advice of a physician in case of illness."

* * *

The subject of "Architectural Competitions" is handled without gloves in a comment by the "School Journal" on a recent competition attempted at Marquette, Michigan.

"An interesting example of what competitions for school house plans should not be afforded by an invitation issued by the school board of Marquette, Mich. On July 29, the following resolution was adopted and sent to nine architects in the Middle West:

"Resolved, That nine architects be asked to submit floor plans and sketches of high school building in black and white, and estimate cost of said building upon a competitive basis. Three prizes of \$50 each to be paid for three best sketches, except that the architect to whom the contract is awarded shall not receive a prize. The Board of Education shall be the sole judge in the competition with such experts as it may see fit to engage. Preference will be given to plans and sketches of architects who make personal visit to the proposed site. Sketches must be submitted on or before August 12, 1915. All sketches to be the property of the Board of Education.

"The special features desired in the high school building are the following: Gymnasium, assembly room, domestic science rooms, commercial room, chemical laboratory, physical laboratory, biological laboratory, lecture rooms, music rooms, medical examination room, shower baths, locker rooms, dining room, debating room, class rooms, book room, and museum."

"This resolution," comments the School Board Journal, "violates practically every known principle of architectural competitions. To persons who are at all familiar with the customs of architects it displays a lamentable ignorance, assuring in advance the defeat of the very purpose it is intended to achieve and affording loopholes for unfairness on the part of the competitors and favoritism on the part of the board members.

"Without entering in detail into the defects of the resolution, it may be said that the board presupposes that architects are tradesmen who are willing to prepare and submit plans for examination, just as a merchant presents samples of merchandise. They offer to six architects no compensation for sets of sketches, which, if technical preparation and experience are added to the cost of actual drawing, are worth not less than \$3,000 each for a building costing \$100,000. Five laymen set up themselves as sole judges of plans that involve difficult technical problems such as can be judged accurately and completely only by an expert. The members, if they may see fit to engage experts, do not agree to follow their advice. An outline of the requirements is not offered equally to all competitors, but such as visit the site are to be preferred. Only two weeks are given to a problem that cannot be well studied in any architect's office in less than a month or six weeks' time. Finally, the board does not absolutely agree to accept

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



one of the sets of plans and may, if it desires, throw out all plans.

"An architectural competition is the least satisfactory of the several methods of obtaining plans for a new school house. It is frequently necessary when many architects press their claims, but it is only successful when conducted with rigid fairness and with due consideration of all the principles formulated by the American Institute of Architects. These principles are not the arbitrary dictum of a portion of the architectural profession; they are the result of many years of experience and observation and simply state the conditions which will assure fair and honest conservation of the rights and interests of the architect and of the owner.

"Space prevents a discussion of the principles of architectural competitions. A few of the most important can, however, be restated because they are most commonly overlooked by school boards:

"First, competitions must recognize the professional and technical character of the services rendered by architects.

"Second, the program must contain a complete technical statement of the problem, and fix fair, definite conditions under which the drawings are to be submitted. A man familiar with competitions should be called upon to draw up these conditions.

"Third, the architects invited should be competent and honest, and evidence of these qualifications should be required.

"Fourth, the selection of plans should be in the hands of a competent expert, who has had training, experience, and a pre-eminent reputation as a school house architect.

"Fifth, the competition should be a definite contract between the architects and the school board, and should provide for the employment of the successful competitor or for adequate

compensation for the drawings, if the project is abandoned.

"As a basis for competition, the resolution of the Marquette School Board is defective in every one of these five essentials. It is of a character that will permit no self-respecting architect who values his professional reputation to enter, and will undoubtedly be condemned by the American Institute of Architects. Instead of an impartial competition, it will provide for a scramble in which the man or the firm that can furnish the flashiest drawing and make the most extravagant promises, will win. If we were not certain that the members of the board are wholly honest and upright we should say that the competition has all the earmarks of political jobbery."

DEFINITE RECOMMENDATIONS FOR IMPROVING THE STATUS OF THE HEATING ENGINEER.

(Continued from page 691.)

full completion and co-ordination of the several branches of the work.

This argument can be shown to be a small matter, however, in comparison with the opposing evils as outlined above. It is a further fact, too, that the architect and owner, by not coming into direct contact with the equipment work, have no direct assurance of what they are getting, or that this very important branch of the work is getting a fair and proper consideration. This whole matter goes back to the old proverb that "Whatever is worth doing, is worth doing right," which means that the architect and owner will always be well paid for their trouble in this connection.

As to disputes which may arise among several separate contractors, these arise just the same under general contract. The only difference is, that the architect and owner do not hear so much about them, as a consequence, the work suffers.

These differences practically disappear whenever each contractor fully understands that the owner is to be the final court of decision and that each will get a fair and equitable hearing.

Methods of Procedure.

In addition to its recommendations the committee outlines a definite method or procedure to accomplish the desired ends, as follows:

First. Deliberation and satisfaction with small returns to start with:

Second. The inviting of the appointment of a committee of one (1) from the architects, owners, contractors and manufacturers, to co-operate with the heating engineers in this movement. It should be made plain to these outside bodies that they are not to be committed to anything by the action of their representative, but that they will be thus kept in touch with the movement and would be expected to act through their own body as they saw fit.

Third. Circularizing the engineers of the

East, sending each a copy of this report with the following questions:

Just indicate on a plain piece of paper the amount of your last year's fees and the highest, lowest, and average percentage which you received for your work, and mail same in a plain envelope to the chairman of this committee.

Also please send us your comments on the correctness and value of this movement, and state as to whether you will give same your support.

Fourth. Circularizing the engineering contractors throughout the East with a copy of this report and the following questions:

What is your opinion as to the correctness and value of this movement?

Will you give same your support and co-operation?

State the volume in dollars and cents of your last year's business.

What percentage of this was handled by engineers who are not contractors?

What percentage by engineering contractors?

What percentage by architects without regular engineering services?

What percentage without any engineers?

State what you know about the relative satisfaction to all concerned as given by the different jobs under the above differing methods of handling the engineering?

Your reply may be on plain paper, unsigned if desired, but please reply to the best of your ability.

Fifth. That the above data be used to start a set of statistics on the causes and effects of our status and the devising of means to better same. Also that this be followed out in the continued gathering of statistics and data to guide in this work.

Sixth. Practitioners in other professions require to be licensed by law and to have a State Certificate before they are allowed to practice. This is not true of the engineer and some of the above conditions are the result. A campaign is therefore for the passage of laws on this subject in the various States.

Seventh. That immediate steps be taken to interest every one possible in this work and that every one of our members make it a special point to so interest himself. It is further recommended that every engineer first square himself with this movement and offer his objections and recommendations, and then after it is turned out as a finished product, let every one constitute himself a committee of one to promote the idea. The committee states that it does not wish to be misunderstood, or to see any misunderstanding creep in which would stamp this as a revolutionary movement designed to create any Utopian conditions in the immediate future. It does believe, however, that there is a lot to be gotten out of concerted action in this field, and that a continuation of this work will produce results which will accumulate for the good of the profession.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Albert Berry (O), 6076 Ridge avenue. Wm. R. Dager (C), 334 Kingsley street. Cost, \$5,600. Two dwellings, stone and brick, 2 stories, 14x48 feet, Pechin and Markle streets. Geo. I. Schott (O), 5523 Frankford avenue. Cost, \$1,600. Dwelling, brick, 2 stories, 16x40 feet, 5326 Darrah street.

Louis Lennis (O), 2227 South Fifth street. Cost, \$42,500. Six dwellings, brick, 3 stories, 18x75 feet, Broad and Rockland streets.

Raymond Hope (O), Branchtown. F. W. Burkholder (C), 5918 North Ninth street. Cost, \$2,000. Dwelling, frame, 2 stories, 24x38 feet, Hutchinson and Champlott streets.

C. E. Lloyd, Jr. (O), Eighth and Sixty-sixth avenue, Oak Lane. Cost, \$12,000. Two dwellings, stone and brick, 3 stories, 30x42 feet, 815-817 Sixty-sixth avenue.

C. W. Rogers (O), 327 South Forty-ninth street. Cost, \$72,000. Thirty-seven dwellings, stone and brick, 2 stories, 14x36 feet, Fifty-third and Media streets.

Fred A. Gehlham (O), Fifteenth and Courtland streets. Cost, \$35,200. Eight dwellings, brick, 3 stories, 16x55 feet, Old York road and Wyoming street.

Geo. M. Randle (O), 556 Drexel Building. Cost, \$13,000. Four dwellings, brick, 3 stories, 17x50 feet, Manheim and Schuyler streets.

Savar & Hurshman (O), 718 Snyder avenue. Cost, \$74,000. Twenty-four dwellings, brick, 2 stories, 16x55 feet, Cobbs Creek and Locust street.

Wm. Conway (O), Fifty-eighth and Walnut streets. Fidelity Construction Co. (C), Heed Building. Cost, \$10,000. Stabe and garage, brick, 1 story, 52x146 feet, Fifty-ninth and Locust streets.

Jos. Bomholt (C), 403 Widener Building. I. T. Shoemaker (C), 1309 Walnut street. Cost, \$14,000. Manufacturing building, brick and terra cotta, 4 stories, 20x160 feet, 806 North Broad street.

Charles Johnson (O), 5701 Boyer street. Cost, \$2,800. Two dwellings, brick and stone, 2 stories, 14x40 feet, 6033-35 Stanton avenue.

Mike Bernstein (O), 1610 Point Breeze avenue. Cost, \$7,500. Dwelling and store, brick, 3 stories, 38x53 feet, 1525-27 Point Breeze avenue.

Jas. McKinley (O), 3333 North Fifth street. Cost, \$2,000. Dwelling, brick, 3 stories, 16x49 feet, Palethorpe and Tioga streets.

Franco Belgium Society (O), Adams and Franklin streets. Anton Ahlers (C), 3425 Howell street. Cost, \$7,000. Club house, Deal street and Kensington avenue.

Alterations and Additions

Rose Uvari (O), 535 North Twenty-second street. Sol Shestack (C), 322 Dickinson street. Cost, \$1,400. Store, Passyunk avenue and Morris street.

Weightman Estate (O), 1524 Chestnut st. J. Kisterbock & Son (C), 2002 Market street. Cost, \$450. Dwelling, 2211 Delancey street.

Kemp Bros. (O), 2613 Coral street. Philip Weber (C), 1326 North Fourth street. Cost, \$800. Storage, 2617-19 Coral street.

John J. Morrison (O), 36 North Fifty-second street. H. Raidman (C), 5944 Walnut street. Cost, \$1,400. Store, 5229 Market street.

Orthopaedic Hospital (O), Seventeenth and Winter streets. H. H. Burrell (C), 206 South Quince street. Cost, \$3,700. Hospital, Seventeenth and Winter streets.

Bush & Terry (O), Jasper and Ontario sts. Robert Beatty & Bro. (C), 2321 East Fletcher street. Cost, \$750. Offices, Jasper and Ontario streets.

Jewish Home (O), 315 South Third street. Louis Sweedloff (C), 2345 South Beulah street. Cost, \$9,400. Home, 315-17 South Third street. Isaac Slot (O), 1955 North Thirty-first street. Jos Karler (C), 320 Mifflin street. Cost, \$500. Store and dwelling, 955 North Thirty-first street.

St. Matthews, M. E. Church (O), Fifty-third and Chestnut streets. Alex. Chambley (O), 243 South Tenth street. Cost, \$30,000. Sunday school building, Fifty-third and Chestnut streets.

Miss Harriet Blanchard (O), 1511 Walnut street. Matthew Schmid (O), 1308 North Sixth street. Cost, \$1,524. Dwelling, 1511 Walnut street.

A. R. King, Inc. (O), Nineteen and Brown streets. F. A. Hovens & Co. (C), 845 North Nineteenth street. Cost, \$900. Factory, Nineteenth and Parrish streets.

Dr. Charles T. Bryan (O), 308 West Fayette street, West Chester, Pa. John E. James (C), 531 North Front street, Glenside, Pa. Cost, \$3,000. Garage, Ninth and York streets.

Geo. Mueller (O), 2638 West Susquehanna avenue. Ed. Rielen (C), 2632 West Cumberland street. Cost, \$575. Garage, 2636 West Susquehanna avenue.

P. Cohen (O), 707 Porter street. A. Krause (C), 840 Jackson street. Cost, \$500. Store, 709 Porter street.

Ltd. Pressed Steel Co. (O), Nineteenth and Clearfield streets. Cost, \$1,000. Shipping room, Nineteenth and Clearfield streets.

S. Henry Norris (O), Land Title Building. Cost, \$460. Store and dwelling, 4630 Lancaster avenue.

Mather & Co. (O), 226 Walnut street. F. T. Mercer Co. (C), 1706 DeLancey street. Cost, \$550. Office building, 226 Walnut street.

Horrook & Bro. (O), Asylum pike and Unity street. F. Crompton (C), 4614 Oakland street. Cost, \$1,800. Bleach house, Asylum pike and Unity street.

M. Davis (O), 4804 Frankford avenue. J. Fotheringham (C), 3367 Frankford avenue. Cost, \$600. Store and dwelling, 4804 Frankford avenue.

Henry F. Ortleib (O), 843 North Third st. Koelle Speth & Co. (C), Twenty-sixth and Oxford streets. Cost, \$1,000. Storage, 846 North American street.

H. B. Johnson (O), 1437 Spring Garden street. Wm. S. Snyder (C), 4502 Springfield street. Cost, \$900. Hotel, Fifteenth and Spring Garden streets.

Charles E. Shouder (C), Fifteenth and Race streets. D. Howwood (O), 1509 Wood street. Cost, \$1,200. Store and dwelling, 161 North Fifteenth street.

G. Myers (O), Lincoln avenue and Horter street. F. G. Storek (C), 3919 North Thir-

teenth street. Cost, \$800. Lincoln Drive and Horter street.

Morris A. Sterling (O), 814 South Third street. J. Rose & Son (C), 5121 Brown street. Cost, \$600. Store and dwelling, 812 South Third street.

John J. Cavanaugh (O), 4350 Main street, Manayunk, Philadelphia. John J. Hurley (C), 503 East Monastery avenue. Cost, \$400. Dwelling, 4326 Cresson street.

Sisters of Good Shepherd (O), 405 Beachtree lane, Wayne, Pa. Jas. H. Maguire, Wayne, Pa. Cost, \$1,500. Boiler house, Thirty-ninth and Pine streets.

St. Joseph's Convent (O), City line and Germantown avenue. Wm. H. Parlamen (C), Devon, Pa. Cost, \$2,500. Garage, brick, 2 stories, 24x36 feet, Germantown avenue and City line.

Henry Pfeiffer (O), 6809 York road. C. L. Hemmeryl (C), Melrose Park, Pa. Cost, \$2,200. Garage, 6808 North Thirteenth street. Agnes Hoffman (O), 939 N. E. Boulevard. Chas. A. Mahon (C), 907 N. E. Boulevard. Cost, \$500. Garage, Tenth street and N. E. Boulevard.

D. Coia (O), 1010 South Randolph street. J. Padolese (C), 1647 Ellsworth street. Cost, \$1,250. Dwelling, 1010 Randolph street.

Luther Bastian (O), 5430 North Fairhill street. Wm. Ashton (C), 5618 North Second street. Cost, \$1,100. Garage, Lawrence and Duncannon streets.

T. Turner (O), 6604 North Twelfth street. Frank T. Wintz (C), 1618 North Twenty-seventh street. Cost, \$2,000. Dwelling, 6606 North Twelfth street.

W. Shipley (O), Robert Killough (C), Wayne avenue and Duval street. Cost, \$1,500. Offices, Germantown avenue and Cresheim road.

Excelsior Laundry (O), Nineteenth and Montgomery avenue. Stewart Bros. (C), 2626 North Orkney street. Cost, \$1,400. Tank supports, Nineteenth and Montgomery avenue. St. Alban's Church (O), Second and West Tabor road. Jas. C. Driscoll (C), Weightman Building. Cost, \$2,000. Guild house, Second and West Tabor road.

F. P. Gysi (O), 3325 North Fifteenth street. T. E. Bland (C), 252 North Fifteenth street. Cost, \$600. Dwelling, 3325 North Fifteenth street.

Biddle Estate (O), 1429 Arch street. T. E. Bland (C), 252 North Fifteenth street. Cost, \$450. Store and offices, 1429 Arch street.

Estate of Jas. Danlacher (O), 1514 North Fifty-fourth street. Wm. J. Reiner (C), 1551 North Sixtieth street. Cost, \$900. Garage, 1514 North Fifty-fourth street.

Gulf Refining Co. (O), Thirty-third and Chestnut streets. Brilliant Mfg. Co. (C), 1035 Ridge avenue. Cost, \$850. Sign, Thirty-third and Chestnut streets.

Merves & Gregg (O), 110 North Front st. Pomeroy Const. Co. (C), 1609 Ranstead street. Cost, \$2,000. Storages and Office, 110 North Front street.

F. R. Plumb Co. (O), Tucker and James sts. Wm. Keas (C), 4624 Penn street, Frankford. Cost, \$6,000. Machine shop, Tucker and James streets.

C. B. Rush (O), 823 North Twenty-second street. Cost, \$400. Dwelling, 800 Windsor street.

C. B. Rush (O), 823 North Twenty-second street. Cost, \$400. Dwelling, 800 Windsor street.

Ambrose Letters (O), Trenton and Westmoreland streets. Barnes Bros. (C), 2080 E. Willard street. Cost, \$850. Shop, Collins and Westmoreland streets.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$500. Dwellings, Girard avenue and Felton streets.

Chas. A. Morrell (O), 2437 Clifford street. Burd P. Evans & Co. (C), Thirteenth and Wallace streets. Cost, \$1,100. Store and dwelling, Twenty-fourth and Columbia avenue.

Robert Lombardi (O), 600 Lincoln Building.

Frank. Clauss (C), 5348 Race street. Cost, \$600. Stable and warehouse.

T. Muntenero (O), 4354 Leiper street. Cost, \$400. Dwelling, 4354 Leiper street.

A. Krivervick (O), Tenth and Pine streets. Brownworth Co. (C), 1611 Sansom street. Cost, \$400. Rooming house, 317 South Tenth street.

J. M. Fenton (O), 5128 Master street. Cost, \$1,200. Garage, 5131-33 Hershaw street.

Jas J. Malloy (O), 6209 Girard avenue. C. E. White (O), 511 North Sixtythird street. Cost, \$800. Shop and offices, 6209 Girard avenue.

Dr. Bainbridge (O), 1427 Poplar street. A. R. Raff (C), 1635 Thompson street. Cost, \$800. Offices, 1427 Poplar street. St. Timothy's Hospital (O), Ridge avenue. Roxborough. Wm. H. Edleman (C), 453 Green lane, Roxborough. Cost, \$600. Residence, Rector street and Ridge avenue.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**The grand prize for the superiority of its sheet and tin mill products has been awarded to the American Sheet and Tin Plate Company, Pittsburgh, Pa., by the Panama-Pacific Exposition. This award was made especially on the company's products as follows: Keystone Copper Bearing Black and Galvanized Sheets, Copper Bearing Open Hearth Terne Plates, Apollo Best Bloom Galvanized Sheets, Coke and Charcoal Tin Plates, Wood's Patent Planished Sheet Iron. Mr. J. V. Jamison, advertising manager of the American Sheet and Tin Plate Company, was awarded a gold medal for valuable services rendered in the installation of the large exhibits of the United States Steel Corporation and its subsidiary companies. When the United States Steel Corporation decided to make an extensive exhibit at the Exposition, Mr. Jamison was appointed director of the exhibits. The gold medal received by Mr. Jamison shows how well he conducted this work.

**The Oak Flooring Manufacturers' Association and William L. Claffey have moved to new quarters in the Conway Building, Chicago, Ill., room 1358.

**A Trade Development Committee has been appointed by Paul F. Brandstedt, president of the National Association of Sheet Metal Contractors. As its name indicates, this committee has been appointed to promote trade in the sheet metal field. The members of the committee comprise the following: George Harms, chairman, Peoria, Ill.; Alfred Holtman, Kansas City, Mo.; Frank K. Chew, editor of "The Metal Worker," New York, N. Y.; A. G. Peterson, of "The American Artisan," Chicago, Ill.; E. B. Langenberg, St. Louis, Mo.; George Thesmacher, Cleveland, Ohio; Milwaukee Corrugating Company, Milwaukee, Wis.; N. & G. Taylor Company, Philadelphia, Pa.; American Rolling Mill Co., Middletown, Ohio; Niagara Machine and Tool Works, Buffalo, N. Y.

**Henry Schott, the advertising manager of the Southern Pine Association, resigned his position, effective October 1, to take charge of the publicity work for Montgomery Ward & Co., of Chicago. Mr. Wallace J. Ferry, who has been a business partner of

Mr. Schott in the Ferry-Hanly-Schott Advertising Company, of Kansas City, has been selected by the Advertising Committee as a successor to Mr. Schott, and Mr. Ferry is now actively on the job. Mr. Ferry is an advertising man by instinct and training. He passed through the reportorial end of big metropolitan newspapers, spending seven years in the editorial department of the "Kansas City Star." He left the "Star" to form the Ferry-Hanly Agency, which was later enlarged and the business expanded through a consolidation with the Henry Schott Agency, forming the new firm of the Ferry-Hanly-Schott Advertising Company. Mr. Ferry, like his predecessor, will devote all his time to the interest of the Southern Pine Association, preparing booklets and leaflets and looking after general publicity.

**Frederick MacMonnies, the American sculptor, after twenty-five years abroad, has returned to this country to stay. The clay models of the "Battle of Princeton," of the "Civic Virtue" fountain for the City Hall Park and of other current work in his Paris studio will be sent into Normandy, and the castings will come here. He said in an interview: "The city has improved vastly since I lived here in the beauty of its monuments. It has a distinctive and impressive architecture. Decorative taste has become a prime requisite in hotels and dwellings. Choice works of art in public and private ownership have spread such refining influence that public taste has become artistic."

**With the motive of emphasizing the real place of origin as well as the character of its product, and to establish a more ready contact between members and headquarters, the Arkansas Soft Pine Bureau has recently been transferred from Chicago to Little Rock, Ark. Offices have been established in the Bankers' Trust Building at the latter city and the advertising campaign in behalf of Arkansas Soft Pine will be conducted hereafter from Little Rock.

**The New Jersey Society of Sanitary Engineers will hold its quarterly meeting in Peterson Saturday evening, October 30, when addresses on the subjects pertaining to the pres-

ent plumbing problems will be discussed. A number of prominent men affiliated with this important branch of the building trades will deliver addresses.

**Joseph R. Rogers has been appointed assistant general sales manager of the Art Metal Construction Company, of Jamestown, N. Y., and will hereafter be located at the main office in Jamestown. He has been with the company since 1899 and has worked through the different departments, gaining a thorough knowledge of the business in all its phases.

**E. M. Hagar, former president of the Universal Portland Cement Company, declined W. E. Corey's invitation to join the Midvale Steel and Ordnance Company's official staff, because he prefers to devote his whole attention to his new \$20,000,000 cement merger, called Hagar Portland Cement Company, although his plans have been temporarily delayed on advice of financial backers awaiting more favorable conditions for new merger enterprises.

**Philadelphia Chapter, American Institute of Architects, at its annual meeting held Monday evening, October 11, elected Horace Wells Sellers as its president; John P. B. Sinkler, first vice-president; John B. Medary, Jr., second vice-president; Edward A. Crane, secretary; Edmund C. Evans, treasurer, and Arthur I. Meigs, librarian and recorder.

**Benjamin Mills has established himself as a manufacturers' agent with offices at 103 Park avenue, New York. He will represent the Marietta Holloware and Enameling Company, manufacturers of enameled laundry tray covers and the seat department of the Columbus Brass Company, Columbus, Ohio.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

One way to escape the income tax is to quit advertising and do less business.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

James P. Farrell & Co., 1619 Sansom st.
Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ransstead st., Phila.

Builders' Iron Work.

James G. Madden,
Franklin Bank Bldg., Phila.
W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floor p & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

James G. Madden, Franklin Bank Bldg.
W. E. Wark & Co., 1737 Filbert st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board.

Cell Board.

The Philip Carey Co.,
13th and Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.
"Utility," Frank C. Gillingham & Son Co.
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131 S. 24th st., Phila.
Standard Paint Co.,
100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.
Audubon Wire Cloth Co., Inc., Audubon, N. J.



receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.



A $\frac{3}{4}$ " inside facing of Impervite mortar will waterproof any leaky cellar or pit.

Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg., NEW YORK
Peoples Gas Bldg., CHICAGO
Beacon Building, BOSTON

FOR RESULTS

Advertise in THE BUILDERS' GUIDE

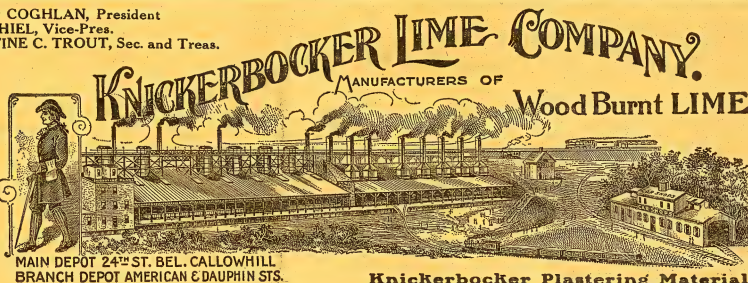
Reaches Architects, Builders and Owners

JOHN P. COGLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

KNICKERBOCKER LIME COMPANY.
MANUFACTURERS OF

Wood Burnt LIME

Branch
Office

Telephone
Bell

Locust 200
and 201

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

PHILADELPHIA
WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS.
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES



The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 44.

PHILADELPHIA, WEDNESDAY, NOVEMBER 3, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844.

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1231

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

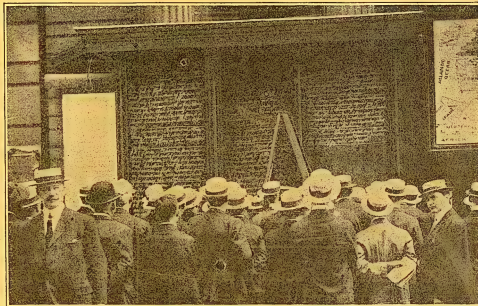
5632-34 Summer Street .: Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

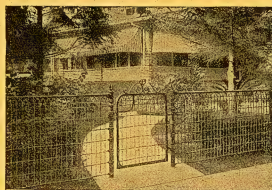
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.

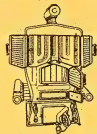


Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA. PA.

== MILLS ==



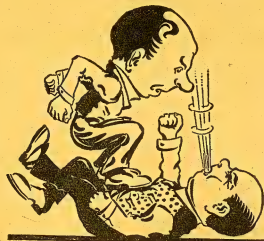
"Satisfaction"

When a type of boiler is made for 40 years, and each year's sales increase over previous ones there is but one conclusion—

They must give satisfaction.

The H. B. SMITH CO.

1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.
Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS
Shops, Rochester, Pa.

District Representative

JAMES G. MADDEN

1011 Franklin Bank Building

Bell Phone, Walnut 684
Keystone Phone, Race 2718

Philadelphia, Pa.

Wire Work



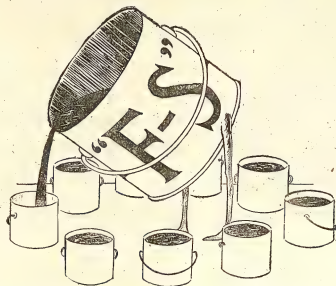
THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EORE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



"F-S" Products satisfy every demand.

When you want an exceptionally good, durable finish to please discriminating people, specify "F-S" Mission Finishes. They are easily applied without danger of lapping or setting while brushing out. They come in a great variety of permanent colors.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(119)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

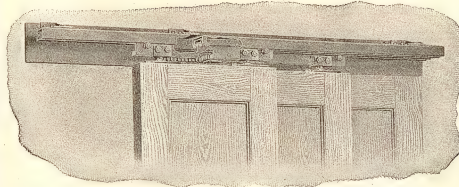
Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

IDEAL Elevator Hanger



IDEAL in Name and Action

"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

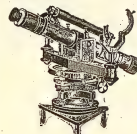
Contractors and Builders

ALTERATIONS

JOBGING

Bell, Spruce 4419

Keystone, Race 3210



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15 to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3603, 3604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 44.

PHILADELPHIA, WEDNESDAY, NOVEMBER 3, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store Building (alts.), 1808 Market street, Philadelphia. Architects, Hanson & Boyle, 10 South Eighteenth street, Philadelphia. Owner, J. C. Fuller, 10 South, Eighth street, Philadelphia. Consists of new bulk windows. Architects have received bids.

Residence (alt. and add.), 3640 Chestnut st., Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Earle Barnes, 3640 Chestnut street, Philadelphia. Brick, 3 stories, slag, tin and canvas roof, steam heating. Architect taking bids, due November 6th. The following are guring: Henry L. Brown, 1714 Sansom street; Eugene Tourison, 1001 Chestnut street; J. Sims Wilson Co., 1125 Brown street; E. B. Davis, 240 North Sixteenth street, al of Philadelphia.

Store and Apartments and (9) Dwellings, Eleventh and Loudon streets. Architect, Julius Anderson, Drexel Building, Philadelphia. Owner, Wolf Rosenfeld, 359 Winton street, Philadelphia. Brick, 3 stories, 15x57 feet, and 2 stories, 15x44 ft and 16x44 feet, slag roofs, hot water heating, electric lighting, parquetry floors, tile work. Owner is taking sub-bids.

Park Improvements, Elkhatr, Mayeld and Ringgold streets. Architects, private plans. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Consists of improvements, tile work, cement and concrete. Lowest bid submitted by Edw. Fay & Son, 2 South Mole street, \$2,948.

Warehouse, rear of 238, South Third street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Samuel Rudofkor, 238 South Third street, Philadelphia. Brick and stone, 2 stories and basement, 20x58 feet, slag roof, hot water heating, electric lighting. Plans in progress. Owner will be ready for bids in one week.

Store, Dwelling and Garage, 1028 South Fourth street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Harry Wishnov, care architect. Brick and stone, 3 stories, 16x53 feet, garage, 1 story, 16x33 feet, slag roof, steam heating, combination lighting, concrete floors.

Plans in progress. Architect will take sub-bids on all lines.

Stores (4) and (23) Houses, Fifty-sixth and Woodland and Greenway avenues. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, L. Deidman, 1324 South Fourth street, Philadelphia. Brick, 2 stories, 17x48 feet; 17x50 feet, 16x50 feet, 16x48 feet, 19 dwellings, 16x40 feet, and 3 dwellings, 17x34 feet, slag roofs, hot water heating, electric lighting, parquetry floors, tile work. Plans in progress. Owner will take sub-bids in about ten days.

Residence and Garage, Oak Lane, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Dr. Clarence V. Clemmer, 806 Sixty-ninth avenue, Oak Lane. Stone, 2½ stories, slate roof, hardwood floors, tile work (heating, hot water, plumbing and electric work reserved). Architects taking bids, due November 4th. The following are guring: H. H. Burrell, 206 South Quince street; E. L. Hoover & Sons, 1023 Cherry street; Lam Building Co., 1001 Wood street; George Kessler Contracting Co., Drexel Building; Wm. J. Gruher Co., 219 East High street; Specht & Sperry, Heed Building; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Garage and Sun Parlor, 1424 West Allegheny avenue, Philadelphia. Owner, Ignatz Kline, on premises. Brick, 2 stories, 18x18 feet, tin roof, steam heating, electric lighting, cement floors. Owner is taking bids.

Machine Shop and Offices, Twenty-third and Ontario streets, Philadelphia. Architect, private plans. Owners, Tioga Machine Co., 2027 Estage street, Philadelphia. Brick, 1 story, 116x157x105 feet, slag roof (hot water heating and electric work reserved). Owners have received bids.

Warehouse, Front and Pemberton streets, Philadelphia. Architect, Charles E. Oelschlaeger, Harrison Building, Philadelphia. Owner, James Gallagher, Inc., 810 South Swanson st., Philadelphia. Brick, 3 stories, 95x137 feet, slag roof, elevator. Revised plans about completed. Architect will take bids in a few days.

Residence, Somerton, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, T. Scott Root, Somerton, Philadelphia. Brick and plaster, 2½ stories, slate roof, hot water heating, electric lighting, oak floors, tile work. Revised plans will be prepared.

Store Buildings (5), Broad and Loudon sts., Philadelphia, \$3,000. Architect, Henry S. Schaefer, Heed Building, Philadelphia. Owner, Frank Flynn, 4939 North Broad street, Philadelphia. Brick, 1 story, 15x90 feet, slag roof, steam heating, electric lighting. Architect ready for revised bids.

Coal Yard Reconstruction, Emerald street, Philadelphia. Engineer, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Consists of concrete walls, trestles, alterations and additions to stable and offices, slag roofing, steam heating, electric lighting, dampproofing and waterproofing, reinforcing bars. Owners taking bids, due November 10th at noon. Plans may be obtained upon a deposit of \$25.00.

Stores and Dwellings (2), Saville street, between Tenth and Eleventh streets, Eddystone, Pa. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 2 stories, 16x39 feet, slag roof, steam heating, electric lighting. Builder, J. D. Killen, 501 North Sixty-fifth street, Philadelphia, is taking sub-bids.

Sunday School, Longshore and Hagerman streets, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Tacony M. E. Church, Rev. Cornelius Hudson, 3424 Diston street, Philadelphia. Stone, 2 stories, 50x85 feet, slate roof, electric lighting, wire lath (heating, steam, separate bid). Architects have received bids.

Garage, 3440-3448 Ludlow street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Frank Nardy Bros., 1227 Fitzwater street, Philadelphia. Brick, stone and steel, 2 stories, 56x120 feet, slag roof, steam heating, electric lighting, cement floor, elevator, oil storage system. Owners taking sub-bids.

**DRAWING
MATERIALS**

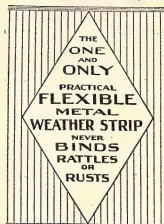
CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 457

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bldg., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

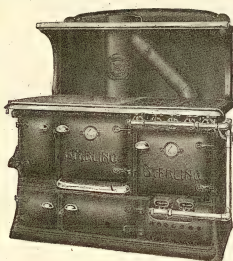
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Residence, Upsal street and Wissahickon avenue, Philadelphia. Architect, Laurence Visscher Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, 607 West Upsal street, Philadelphia. Stone, $2\frac{1}{2}$ stories, 32×50 feet, slate roof, hot water heating, oak floors, tile work, electric lighting. Architect has received bids.

Passenger Station (alts.), Cheltenham avenue. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Stone and brick, 1 story. Consists of moving station to another site, new foundations and alterations. Plans in progress. Owners will take bids in about 2 weeks.

Show Rooms and Machine Shop (alt. and add.), 2506 North Broad street. Architect, Le Roy B. Rothschild, Bulletin Building, Philadelphia. Owner, George W. Reinbold, 2419 North Broad street, Philadelphia. Brick and terra cotta, 1 story, 26×177 feet, slag roof, steam heating, electric lighting, metal ceilings, damp-proofing. Architect has received bids.

Office Building and Shed, Federal and Reed streets yards. Architect, William H. Cookman, Broad Street Station. Engineer, A. C. Shand, Broad Street Station. Owners, Pennsylvania Railroad Co., Broad Street Station. Office building, brick, 2 stories, 30×85 feet; shed, 1 story, 20×50 feet, slag roof, steam heating, electric lighting, composition flooring, reinforcing rods, damp-proofing, metal lath. Owners taking bids, due November 4th at noon. Plans may be obtained upon deposit of \$10.00. The following are figuring: Barclay White & Co., Perry Building; Turner-Concrete Steel Co., 1713 Sansom street; A. Raymond Raff, 1635 Thompson street; F. A. Havens & Co., 845 North Nineteenth street; F. B. Davis, 240 North Sixteenth street; John N. Gill & Co., Heed Building; James P. Farrell & Co., 1619 Sansom street; Brann & Stuart, Commercial Trust Building; J. J. Richards & Co., 136 North Eighth street, all of Philadelphia.

Store Building, 1638 and 1640 Market street, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, Frank Hardart, 818 Chestnut street, Philadelphia. Brick, steel and terra cotta, 2 stories, 39×120 feet, slag roof, steam heating, electric lighting, metal lath. Plans in progress. Architects will take sub-bids in about 2 weeks.

Inbound Freight Warehouse, Front and Fed-

eral streets, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete, 4 stories, 60×400 feet, slag roof, steam heating, electric lighting, elevators, steel sash, waterproofing. Plans in progress. Owners will advertise for bids in about one month.

School Building (alts. and adds.), Greene and Carpenter streets. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, stone trimmings, 2 stories (heating, plumbing and electric work separate bids). Owners taking bids, due November 12th, at 1.30 P. M.

Garage, Stable and Warehouse, Tenth and Cheltenham avenue. Architect, private plans. Owners, The Texas Co., Morris Building, Philadelphia, J. L. Bero, construction engineer, Tenth and Cheltenham avenue. Frame garage, 1 story, 24×32 feet; warehouse, 2 stories, 30×40 feet; stable, 2 stories, 32×28 feet, Texas roof (electric work and elevator reserved). Owners have received bids.

Residences (25), Redfield street, between Jefferson and Haddington streets. Architect, private plans. Owner, Thomas J. McGarvey, 630 South Fifty-sixth street, Philadelphia. Brick, 2 stories, 16×45 feet, slag roof, hot water heating, hardwood floors, tile baths. Work started.

Business Building, Broad and Thompson streets. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, A. Paul De Sanno, 1232 Race street, Philadelphia. Consists of general interior remodeling and alterations, new heating system. Plans in progress.

Office Building and Shed, Federal and Reed streets yards. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Office building, brick, 2 stories, 30×85 feet; shed, 1 story, 20×50 feet, slag roof, steam heating, electric lighting, composition flooring, reinforcing rods, damp-proofing, metal lath. Owners taking bids, due November 4th at noon. In addition to those previously reported, Mitchell Bros., 2125 Race street; Stacey

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER



Maine Central Roundhouse, Waterville, Maine.

Plans drawn by Engineering Department of the Maine Central Railroad at Portland, Maine.

General Contractors: Horace Purinton & Co., Waterville, Me.
Roofers: Wallace A. Hill, Fairfield Maine.

A severe roofing test—

THE roof of a railroad roundhouse must be a good roof—otherwise its life is short.

Not only must it withstand the ordinary weather hazards but in addition must resist the sulphurous gases of coal smoke, the flying sparks, the intense heat from the locomotives and the condensation of moisture from the steam exhausts. It must resist all these attacks from both above and below.

The ideal roof for such buildings is a Barrett Specification Roof. That railroad engineers recognize this is evidenced by the fact that such roofs cover a very large proportion of the roundhouses of the country. It is under

severe conditions that Barrett Specification Roofs show to the best advantage.

Barrett Specification Roofs also cover most of the first class buildings of the country, including manufacturing plants of all sizes, the big city skyscrapers, railroad buildings, steamship piers, apartment houses, etc.

Every building worthy of the name "permanent" should carry a Barrett Specification Roof because the owner will get longer service at less cost than by using any other kind.

These roofs take the base rate of insurance and are approved by the Underwriters' Laboratories. We should like to send every architect, engineer and building owner a copy of the Underwriters' Laboratories report on Barrett Specification Roofs. Address our nearest office.

Hydronon

The Damp-proofing Paint

Reduce building expenses by coating the inner surfaces of all walls above the ground level with Hydronon and apply the plaster directly on the wall without lath and air space. The Hydronon excludes dampness and gives a dry base for the plaster.

Hydronon is very dense and penetrates into the wall forming a tight seal. It has superior covering capacity and is vastly superior to other damp-proofing paints in its permanent resistance to dampness. Its superiority has been demonstrated by a series of scientific tests which are described in a booklet which will be mailed free on request.

Velvex Creosote

Shingle Stains

Every desirable color in soft velvety shades. Can be used on unplanned wood of any kind.

The creosote makes them highly preservative and non-inflammable. Booklet free on request.

A copy of The Barrett Specification, with roofing diagrams, free on request.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle Peoria
THE PATERSON MFG. CO., Limited: Montreal Toronto Winnipeg Vancouver
St. John, N. B. Halifax, N. S. Sydney, N. S.



Gas Talks For Builders

We use the greatest care in buying what we sell, and you can buy only what we can guarantee.

We could sell gas appliances which do not satisfy us, but we don't. When we sell you one appliance or a dozen, we are, therefore, able to stand back of every statement and promise we make.

Let us co-operate with you. We have ideas that will save you money. Call up our Builders and Operators Division.

—Telephones—

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th St.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

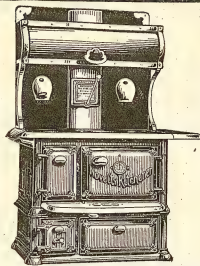
114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia



"NOVELTY" REMINDERS—Number Two

A "Novelty" Range

Coal, Gas or Combination, and a "NOVELTY" Hot Water, Steam or Warm Air Heater are valuable selling points in any house.

Their appearance, construction and satisfactory service in thousands of homes have given them a national reputation.

Have You Seen the New "Novelty" Products?

OUR BUILDERS' CATALOG IS NOW READY

ABRAM COX STOVE CO.

EXHIBIT AT BUILDERS' EXCHANGE
American and Dauphin Sts.
PHILADELPHIA

Reeves & Sons, 2011 Market street; Eugene Tourison, 1001 Chestnut street; H. H. Wehmeyer, 1001 Wood street; P. J. Hurley, 1233 Cherry street; E. J. Kreitzburg, 1345 Arch street; H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Stable, Thirty-fourth and Lancaster avenue, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Reinforced concrete and brick, 2 stories, metal sash, electric lighting, reinforcing bars. Architect has received revised bids.

Stable and Garage, Ninth and Cumberland streets, Philadelphia. Architects, Koelle, Speth & Co., Twenty-sixth and Oxford sts., Philadelphia. Owners, Dreyer Ice Cream Co., on premises. Reinforced concrete and brick and terra cotta, 4 stories, 75x127 feet, slag roof, safety treads, steam heating, electric lighting, elevator, steel sash, metal lath, rolling steel doors, reinforcing rods. Architects taking bids, due November 8th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; A. Raymond Raff, 1635 Thompson street; Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Cramp & Co., Denckla Building; Harrison C. Rea Co., 1027 Wood street; Koelle, Speth & Co., Twenty-sixth and Oxford streets.

Residence (alts.), 4401 Sansom street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Girard Trust Co., Broad and Chestnut streets, Philadelphia. Brick, consists of new bath room, slate roof. Architects taking bids, due November 5th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; J. Morris Daniels, 232 South Juniper street; A. C. Wilson, 421 North Forty-first street, and Milton W. Young, Overbrook, Philadelphia.

Coal Yard Reconstruction, Emerald street, Philadelphia. Engineer, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Consists of concrete walls, trestles, alterations and additions to stable and offices, slag roofing, steam heating, electric lighting, dampproofing and waterproofing, reinforcing bars. Owners taking bids, due November 10th at noon. The following are figuring: H. E. Baton, Twelfth and Sansom sts.; A. L. Carhart, Hale Building; Brown-King Const. Co., Commercial Trust Building; Frank G. Stewart, 1619 Sansom street; John N. Gill & Co., Heed Building; Seeds & Derham, 6314 Wissahickon avenue, Philadelphia.

School Building (alts. and add.), Green street and Carpenter street. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, stone trimmings, 2 stories (heating, plumbing and electric work separate bids). Owners taking bids, due November 12th at 1.30 P. M. William E. Dougherty, 1610 Sansom street, and Abel Bottoms & Sons Co., 41 South Fifteenth street, Philadelphia, are figuring.

Ice Plant (remodeling), 2331 Bodine street, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Consolidated Ice Manufacturing Co., on premises. Brick, concrete and steel, 2 stories. Details not decided. Plans in progress.

Factory, Kensington avenue and Frankford Creek. Architect, private plans. Owner, Julius Gebauer, 1412 Unity street, Philadelphia. Brick, 1 story, 124x100, slag roof, steam heating, electric lighting. Owners taking bids, due November 2nd. The following are figuring: Rimer & Byers, 4842 Hawthorne street; Stewart Bros., 2526 North Orkney st.; George H. Thirsk, 1673 Church street; Kirby Lumber Co., Wissinoming, Philadelphia.

Store Building, 140-142 North Twelfth street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick, 2 stories, 36x100 feet, slag roof, metal ceilings, metal lath, steam heating, electric lighting tile work. Architect taking bids, due November 5th. The following are figuring: E. J. Kreitzburg, 1345 Arch street; P. J. Hurley, 1233 Cherry street; D. Henwood, 1509 Wood street, Philadelphia.

Residence (alts.), 1909 Chestnut street, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Dr. Charles K. Mills, on premises. Brick, 4 stories, steam heating, electric lighting, tile work. Architects taking bids, due November 4th. The following are figuring: F. B. Davis, 240 North Sixteenth street; John McShain, 1610 North street; Samuel J. Rea & Son, 1608 Fairmont avenue, and Charles C. Pace, Merion, Pa.

Parochial School and Chapel, Sixty-second and Cedar avenue, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, St. Catharine R. C. Church, Rev. Father P. F. O'Neill, Fifty-third and Vine streets, Philadelphia. Stone, 1 and 2 stories, 60x116 feet, slate roof, tile work, metal lath (heating, plumbing and electric work reserved). Architects taking bids, due November 10th. The following are figuring:

CAREY

Ceiling-Board
FOR WALLS
SUPERSEDES PLASTER
AND CEILINGS

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings

New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa.; 210 Fulton Street, New York City
48 and 50 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

ing: John McShain, 1610 North street;
Stacy Reeves & Sons, 2011 Market street;
Melody & Keating, Bailey Building; M. L.
Connecen, 2015 Cuthbert street; John D. Fal-

len, 5236 Larchwood avenue; Edward Fay &
Son, 2 South Mole street; E. E. Hollenback,
Fifteenth and Race streets, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Factory and Power House, Manayunk, Philadelphia. Architects, Sauer & Hahn, 1111 Chestnut street, Philadelphia. Owner, A. T. Baker & Co., Main and Cresson streets, Philadelphia. Galvanized iron and steel, 1 story, 40x80 feet, and 15x30 feet, slag or asbestos roof. Contract awarded to Barclay White & Co., Perry Building, Philadelphia.

Garage, 640 Carpenter street, Germantown, \$700. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, E. J. Flood, 640 Carpenter street, Germantown. Brick, 1 story, 15x20 feet, slate roof, cement floors (electric lighting and gasoline storage system reserved). Contract awarded to Wm. C. Wright, 22 Harvey street, Philadelphia.

Stores (alts.), Sixtieth and Ludlow streets, Philadelphia, \$11,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Norris Realty Co., 6019 Market street, Philadelphia. Brick, 1 story, slag roof, metal ceilings, metal lath, tile work, electric lighting (heating reserved). Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

Home (alts.), Church lane, Germantown. Architects, Ballinger & Perrot, 1700 Arch st., Philadelphia. Owners, Little Sisters of the Poor, Home for Aged, Church lane, Germantown. Consists of new porches, reinforced concrete, reinforcing rods. Contract awarded to Barclay White & Co., Perry Building, Philadelphia.

Store Building, 305-07-09 North Fifteenth street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, name withheld. Brick, 2 stories and basement, 50x50 feet, slag roof, electric lighting, steam heating. Contract awarded to D. Henwood, 1509 Wood street, Philadelphia.

Cafeterias, Kitchen and Equipment, Seventeenth and Arch streets, streets, \$40,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Marble, tile work, electrical and mechanical equipment, ventilation, waterproofing. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Sunday School Building, Fox Chase, Philadelphia. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, Fox Chase Memorial Presbyterian Church, Rev. Henry W. Block, 321 Borbeck avenue, Fox Chase, Philadelphia. Stone, 2 stories, 40x55 feet, slate and slag roof, electric lighting, steam heating. Contract awarded to Joseph Ashby, Second street pike, Fox Chase.

Dwelling (alt. and add.), 1917 Spruce street, Philadelphia, \$6,000. Architect, private plans. Owner, Sophia A. Carr, 350 South Sixteenth street, Philadelphia. Interior alterations and additions. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Residences (alts. for laundry), Thirty-second and Baring streets, \$2,000. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Penna. Laundry Co., on premises. Brick, 3 stories, consists of remodeling of interior of 2 houses for laundry. Contract awarded to Armstrong & Latta, Land Title Building, Philadelphia.

Ice Storage Building, Belfield avenue and Walnut lane, Germantown, \$70,000. Architects, private plans. Owners, American Ice Co., Michael Drexler, superintendent, Thirtieth and Columbia avenue, Philadelphia. Reinforced concrete, 1 story, 82x82x75 feet, slag roof. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street.

Bumpers, Christian, Reed and Federal sts., Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Consists of 50 concrete bumpers, reinforcing bars. Contract awarded to Cementite Paving and Const. Co., Drexel Building, Philadelphia.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

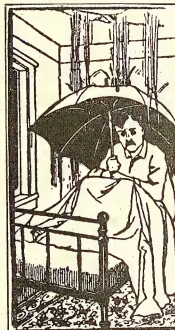


EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.
BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



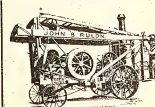
Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865



WELLS DRILLED

Test Borings

Ask for Prices

JOHN B. RULON

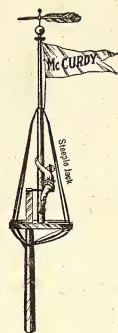
1355 Colwyn Street
Philadelphia, Pa.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-12.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

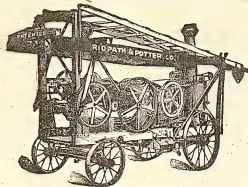
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



FOR SALE CHEAP

A lot of heavy corrugated steel
sheets, 26 in. x 8 ft., and 26 in. x 9 ft.
From the Potts Barns, Merion, Pa.

W. H. STEIGERWALT,
1420 Chestnut Street.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA Construction News

Garage, Lansdale, Pa., \$5,000. Architect, Walter S. Slifer, Lansdale, Pa. Owner, Raymond Dresher, Lansdale, Pa. Brick and terra cotta, 2 stories, 45x75 feet, slag roof, steam heating, electric lighting, elevator, gasoline pump and storage system. Plans in progress.

Residence, Lansdale, Pa., \$4,000. Architect, Walter S. Slifer, Lansdale, Pa. Owner, Mrs. H. S. Slifer, Lansdale, Pa. Hollow tile and stucco, 2 stories, 27x34 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Garage, Doylestown, Pa. Architect, O. A. Martin, Doylestown, Pa. Owner, Frederick Jaekel, Doylestown, Pa. Hollow tile and stucco, 2 stories, 18x28 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Garage, Doylestown, Pa. Architect, O. A. Martin, Doylestown, Pa. Owner, E. S. Shuman, Doylestown, Pa. Hollow tile and stucco, 1 story, 18x22 feet, slate roof, electric lighting, cement floors. Plans in progress.

Residence, Springfield, Pa. Architect, W. L. Blithe, 608 Chestnut street, Philadelphia. Owner, Charles G. Hause, 3424 Market street, Philadelphia. Stone and frame, 2½ stories. Details not decided. Plans in progress.

Residence and Garage, Merion, Pa. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owner, John F. Braun, Real Estate Trust Building, Philadelphia. Brick, stone and rough cast, 2½ stories, 60x117 feet. Architects taking bids, due November 4th on carpenter and mill work, stone work, concrete and fireproofing, iron work, etc. The following are figuring: R. C. Ballinger & Co., 212 N. Thirteenth street; Thomas M. Seeds, 1207 Race street; Jacob Myers Sons Co., Witherspoon Building; George & Borst, 277 South Eleventh street; J. Sims Wilson Co., 1125 Brown street; Stacy Reeves & Sons, 2011 Market street; Pringle Borthwick, 8018 Germantown avenue.

Freight House and Platform, Freeport, Pa. Architect, Wm. H. Cookman, Broad street station, Philadelphia. Engineer, A. C. Shand, Broad street station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad street station, Philadelphia. Brick, 1 story, 74x33 feet, and 150x20 feet, slag roof, metal lath, damp-proofing, steam heating, electric lighting. Owners taking bids, due November 5th. The following are guring: Cuthbert Bros., Bessemer

Building; Henry Sheuk Co., Century Building; W. F. Trimble & Sons Co., 1719 Pennsylvania avenue; Pittsburgh Construction Co., Diamond Bank Building, all of Pittsburgh, Pa.; A. King & Son, Freeport, Pa.; W. D. Steinbach & Sons, Lewistown, Pa.; F. A. Havens & Co., 845 North Nineteenth street, Philadelphia; Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Residence, Narberth, Pa., \$6,000. Architect, D. K. Boyd, northeast corner Fifteenth and Walnut streets, Philadelphia. Owner, James Artman, Narberth, Pa. Stone, hollow tile and frame, 2½ stories, 22x48 feet, shingle roof, hot water heating, electric lighting, tile work. Architect has received bids.

Residence (alts.) and Garage, Jenkintown, Pa. Architect, private plans. Owner, Mrs. Oscar A. Fow, Ogontz, Pa. Consists of general interior alterations and new garage. Owner taking bids. W. J. Stevens, Wyncote, Pa., and Henry Specht, Jr., Willow Grove, Pa., are figuring.

Church, Drexel Hill, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Drexel Hill Presbyterian Church, Drexel Hill, Pa. Stone, 1 story, 98x47 feet, and 20x20 feet, composition roof. Architects taking revised bids, due November 3d. The following are figuring: F. B. Davis, 240 N. Sixteenth street; Barclay White Co., Perry Building, Philadelphia; and J. Harry Roberts, Lansdowne, Pa.

Church, Lancaster, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Grace United Evangelical Church, Rev. James F. Gross, Lancaster, Pa. Brick, stone trimmings, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Mission Building, Reading, Pa., \$20,000. Architect, J. Earle Hickman, 110 South Fifth street, Reading, Pa. Owners, Hope Rescue Mission, Reading, Pa. Brick, 4 stories, 60x90 feet, steam heating, electric lighting. Revised plans in progress.

Residence (alt. and add.), Lebanon, Pa., \$3,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Dr. John Beattie, Lebanon, Pa. Brick, 2 stories, 30x60 feet, composition roof, steam heating, electric lighting, metal lath, hardwood floors. Plans in progress.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Residence, Ardmore, Pa. Architect, Milton S. Grawl, Llanerch, Pa. Owner, Mrs. Lillie L. Jarrett, Ardmore, Pa. Hollow tile and stucco, 3 stories, 38x50 feet, red tile roof, combination lighting, hot water heating, hardwood floors, tile work, 3 baths. Owner and architect taking bids. The following are figuring: Geo. B. Turner, Highland Park, Pa.; F. H. Mahan, Ardmore, Pa.; and Howard J. Butler, Ardmore, Pa.

Residence, Bryn Mawr, Pa., \$6,500. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Samuel Earl, Bryn Mawr, Pa. Fisklock brick and hollow tile, 2½ stories, 37x27 feet, shingle roof, oak floors, tile work, steam heating, electric lighting. Revised plans in progress.

Residence (alt. and add.), Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, E. R. Tattall, Haverford, Pa. Frame and plaster, consists of new porch and bathroom, shingle roof, electric lighting, tile work. Architects taking bids, due November 1st. The following are figuring: Graham-Campon Co., Hed Bldg; Gray Bros., Rosemont, Pa.; Michael Hatch, Bryn Mawr, Pa.

Residence (alt.) and New Garage, Cynwyd, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Wm. Simpson, Cynwyd, Pa. New bay window in residence; Garage, stone, 1 story, 30x27 feet, shingle roof, electric lighting. Owner will sub-let all contracts.

Garage, Union and Bryn Mawr avenues, Bala, Pa., \$7,000. Architect, private plans. Owner, Wm. J. & G. L. Smith, Bala, Pa. Stone,

1 story, 50x100 feet, slag roof, electric lighting, steam heating, concrete floors. Owners taking bids. The following are figuring: J. D. Fisher, 5718 Market street, Philadelphia; Rudolph Lutkens, Cynwyd, Pa., and Alfred James, Bala, Pa.

Residence, Moylan, Pa. Architect, C. H. Johnston, Jr., St. Paul, Minn. Owner, A. H. Lowning, Moylan, Pa. Brick, 2½ stories, 33x39 feet, shingle roof, oak floors, tile work, electric lighting, warm air heating. Owner has received bids.

Garage, Allentown, Pa., \$2,500. Architects, Jacoby & Weishample, Commonwealth Building, Allentown. Owner, J. Phillips, Allentown, Pa. Brick, 1 story, 40x75 feet, slag roof, electric lighting, concrete floors. Plans in progress.

Residences (100), Bethlehem, Pa., \$2,500 each. Architect, J. J. Weitsenfeld, Easton Nat. Bank Building, Easton, Pa. Owners, Bethlehem Realty & Investment Co., Bethlehem, Pa. Brick and frame, 2 stories, 22x30 feet each, slate roofs, hot air heating, electric lighting. Architect taking sub-bids on 7 houses only.

Residence (alt. and add.), Bala, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, William P. Herbert, Bala, Pa. Stone, 3 stories, slate roof, tile work, metal lath (electric work and metal weather strips reserved). Architect taking bids, due November 5th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; E. E. Hollenback, Fifteenth and Race streets; Milton W. Young, Overbrook, Philadelphia; J. Paul Emrey, North Wynnefield, Philadelphia, and Alfred James, Bala, Pa.

PENNSYLVANIA Contracts Awarded

Bank and Office Building, Marcus Hook, Pa., \$20,000. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, Delaware County Trust, Safe Deposit and Title Insurance Co., Chester, Pa. Brick, stone trimmings, 2 stories, 44x90 feet, tile roof, steam heating, electric lighting, tile work. Contract awarded to J. Harry Richardson, Marcus Hook, Pa.

Church (alt. and add.), Easton, Pa. Architect, J. J. Weitsenfeld, Easton Nat'l Bank Building, Easton, Pa. Owners, St. Anthony of Padua R. C. Church, Rev. John D'Arais, Easton, Pa. Stone, 2 stories, 40x125 feet, slate roof, electric lighting. Contract awarded to Howard Polkenson, Easton, Pa. (Note change in builder.)

Club House (alt. and add.), Shenandoah, Pa., \$25,000. Architect, J. J. Weitsenfeld, Easton Nat. Bank Building, Easton, Pa. Owners, B. P. O. L. No. 945, John W. Curtin, chairman, Shenandoah, Pa. Brick, 2 stories, 30x90 feet, slaw roof, steam heating, electric lighting, hardwood floors, tile work, metal lockers. Contract awarded to Andrew Breslin, Summit Hill, Pa.

School Building, Allentown, Pa., \$100,000. Architects, Ruhe & Lange, 10 North Sixth st., Allentown, Pa. Owners, Board of Education, T. P. Werner, Secretary, Allentown, Pa. Brick, 2½ stories, composition roof, fireproofing, slate blackboards. Contract awarded to Ochs Construction Co., Allentown, Pa.

Residence, Allentown, Pa., \$15,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown. Owner, Andrew L. Yeager, Allentown, Pa. Hollow tile, brick and stucco, 2½ stories, 48x54 feet, slate or tile work, hardwood floors, dampproofing. Contract awarded to George Stump, Allentown, Pa.

Residence (alt. and add.), Pennlyn, Pa. Architect, Wm. Wayne, Jr., 311 South Hicks street, Philadelphia. Owner, Geo. W. Norris,

Bellevue Court Building, Philadelphia. Hollow tile and plaster, 2½ stories, shingle roof, oak floors, hot air heating, electric lighting. Contract awarded to Geo. W. Frankendorf, Ambler, Pa.

Bungalow, Doylestown, Pa., \$3,500. Architect, O. A. Martin, Doylestown, Pa. Owner, Harris Holmes, Doylestown, Pa. Brick, 2 stories, 28x28 feet, slate roof, hot water heating, electric lighting. Contract awarded to R. Bean, Lansdale, Pa.

Garage, Norristown, Pa. Architect, M. B. Bean, Lansdale, Pa. Owner, Adam Scheidt, Norristown, Pa. Brick, stone trimmings, 1 story, 40x20 feet, asphalt roof, steam or hot water heating, electric lighting. Contract awarded to R. Bean, Lansdale, Pa.

Residence (alt. and add.), Wynnewood, Pa. Architect, Alex. M. Adams, 1012 Walnut st., Philadelphia. Owner, Gideon Bockicks, Merion, Pa. Stone, frame and plaster, 2½ stories, slate roof, reinforcing bars, oak floors, tile work, waterproofing metal lath (heating, plumbing and electric work reserved). Contract awarded to Mowrer Bros., Merion, Pa.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

"Do what you are paid to do—and then some—it's the then some that gets your salary raised."—James B. Miller.

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.
622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

Miscellaneous Construction News

Office Building, Broadway and John street, New York City. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, John Street Corporation, New York City. Brick, terra cotta, stone and steel, fireproof, 6 stories, 30x75 feet, slag roof, steam heating, electric lighting, elevators, tile and marble work. Plans in progress. Architects will take bids in 2 or 3 weeks.

Post Office, Smyrna, Del. Architect, Oscar Wenderoth, Washington, D. C. Owners, U. S. Government, Washington, D. C. Brick, 1 story, 40x55 feet, steam heating, tin roof, metal lath, dampproofing. Contract awarded to King Lumber Co., Charlottesville, Va.

If a man can make a better quality of brick than his competitors can, it is up to him to let the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

NEW JERSEY Construction News

Fire House, Westville, N. J. Architect, Chas. R. Peddle, 136 South Fourth street, Philadelphia. Owners, Union Fire Company, Westville, N. J. Brick, 2 stories, 25x55 feet, shingle roof, cement floors, electric lighting, steam heating. Plans in progress. Architect will take bids in about two weeks.

Office Building, Palmyra, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, T. E. Steele, Palmyra, N. J. Frame, 1 story, 20x40 feet, shingle roof, steam heating, electric lighting. Plans in progress.

Factory, Boiler House and Garage, Elizabeth, N. J., \$40,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Reinforced concrete and brick, 2 stories, 60x250 feet, slag roof, steam heating, electric lighting. Plans in progress.

Hotel (add.), Spring Lake, N. J. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Monmouth Hotel Co., Spring Lake, N. J. Brick, 4 stories, 40x75 feet, steam heating, electric lighting, tile work. Plans completed. Architects ready for bids.

Apartment House, Atlantic City, N. J., \$15,

000. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owner, Marguerite C. Berry, Atlantic City, N. J. Brick and stucco, 3 stories, 35x75 feet, tile and slag roof, waterproofing, vapor heating, electric lighting. Plans in progress.

Cottage (alts.) and Garage, Atlantic City, N. J. Architect, E. P. Durang & Son, 1200 Chestnut street, Philadelphia. Owner, Jeremiah J. Sullivan, Witherspoon Building, Philadelphia. Limestone, hollow tile and plaster, 3 stories, Garage, 1 story, 22x24 feet, slate roof, tile work, reinforcing rods. Architects have received bids.

Storage Warehouse, Trenton, N. J. Engineers, Samuel M. Green Co., Springfield, Mass. Owners, Ajax-Grieb Rubber Co., Trenton, N. J. Concrete, brick and steel, 1 story. Plans in progress.

Factory (add.), Trenton, N. J., \$8,000. Architect, private plans. Owners, John E. Thropp's Sons Co., Trenton, N. J. Brick and steel, 1 story, 63x144 feet, slag roof, steam heating, electric lighting, metal sash. Owners are sub-letting all contracts.

NEW JERSEY Contracts Awarded

Residence, Ventnor, N. J., \$8,000. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owner, P. F. Burburk, Ventnor, N. J. Frame, 3 stories, 28x30 feet, slate roof, hot water heating, electric lighting, hardwood floors. Contract awarded to Wesley B. Porch, Sheen Building, Atlantic City, N. J.

Residence, Ventnor, N. J., \$4,500. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owner, Philip O. Schaefer, 3335 North Sixteenth street, Philadelphia.

Frame, 2½ stories, 26x38 feet, slate roof, hot water heating, electric lighting. Contract awarded to Wesley B. Porch, Sheen Building, Atlantic City, N. J.

Recreation Building, Vineland, N. J., \$4,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Institute for Feeble Minded Women, Vineland, N. J. Frame, 1 story, shingle roof. Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

MARYLAND Construction News

Office Building, 101-3-5 German street, Baltimore. Architect not yet selected. Owners, Immediate Benefit Insurance Co., Moses Rothschild, president, 900 North Euter street, Baltimore, Md. Too early for details.

Dwellings (7), 2614-26 Cottage avenue, Baltimore, Md., \$10,500. Architect, Stanislaus Russell, 900 Clifton avenue, Baltimore. Owners, Cityco Realty Co., 2 East Lexington st., Baltimore, Md. Brick, 2 stories, 14x53 feet, slag roof. Architect will take sub-bids on all lines.

Dwellings (9), Reistertown road, between Hillsdale and Suffolk streets, Baltimore, \$25,000. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore, Md. Owner, John J. Carlin, 215 St. Paul street, Baltimore, Md. Brick, 2½ stories, 22x37 feet, tile and slag roofs, steam heating. Owner will take sub-bids on all lines.

Dwellings (18), Chancery avenue, near Brookfield avenue, Baltimore, Md., \$32,000. Architect, W. B. Ferrvig, 600 Equitable Building, Baltimore, Md. Owner, Frank O. Singer, Jr., Equitable Building, Baltimore. Orna-

mental brick, 2 stories, 16x55 feet. Architect taking sub-bids on all lines.

Residence, Hollins Station, Md. Architect, E. L. Palmer, 408 Roland avenue, Roland Park, Md. Owner, E. J. Griffith, Hollins Station, Md. Brick and stone. Too early for details.

Residence, Baltimore, Md., \$20,000. Architects, Elliott & Emmart, Union Trust Building, Baltimore, Md. Owner, Richard H. Pleasants, Baltimore, Md. Stone and brick, 3 stories. Owner taking bids. The following are figuring: Cowan Building Co., G. Walter Tovell, W. E. Burnham, Gladfelter & Chambers, all of Baltimore, Md.

Maryland Contracts Awarded

Dwellings (8), 2617-31 Cottage avenue, Baltimore, Md., \$15,000. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore. Owners, Cityco Realty Co., 2 East Lexington st.,

Baltimore. Brick, 2 stories, 22x34 feet, slag roof. Architect will sub-let all contracts.

Hospital (alts.), Remington avenue, Baltimore, Md. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, Marine Hospital, Baltimore, Md. Consists of general repairs and painting. Contract awarded to Robinson Const. Co., 66 Knickerbocker Building, Baltimore.

Garage, Baltimore, Md., \$4,000. Architect, private plans. Owner, J. Mechinski, Baltimore, Md. Brick, 1 story, 40x63 feet, slag roof, steam heating. Contract awarded to L. Schoenlein & Sons, 2217 East Baltimore st., Baltimore.

Dwelling, Overhill road, near Charles st., Guilford, Md., \$15,000. Architects, Mottu & White 324 North Charles street, Baltimore. Owner, Howard Adams, Baltimore, Md. Stone and frame and stucco, 2 stories, slate roof, hardwood floors, hot water heating and electric lighting. Contract awarded to Milton C. Davis, 633 North Calvert street, Baltimore, Md.

Dwellings (3), Chestnut road, Baltimore, Md., \$3,600 each. Architect, private plans. Owner, Paul B. Mules, 829 West North avenue, Baltimore. Frame and shingle, 2½ stories, 26x32 feet, slate roof, hardwood floors, steam heating, combination lighting. Contract awarded to L. Schoenlein, Jr., 2914 East Baltimore street, Baltimore.

Warehouse Gough street and Central avenue, Baltimore, Md., \$4,000. Architect, J. C. Spedden, 1640 Hanover street, Baltimore. Owner, Harry Klaff, 428 East Saratoga street, Baltimore. Brick, 1 story. Contract awarded to F. P. Stein, 17 South Washington street, Baltimore.

Ice Plant (alts. and add.), Monford avenue, near Chase street, Baltimore, Md. Architect, B. Morrison, New York City. Owners, American Ice Co., Baltimore, Md. Consists of additional story to present building, brick, 43x160 feet, lark lining for cold storage, new power house and office building. Contract awarded to Henry S. Ripple, 7 Clay street, Baltimore, Md.

Parsonage and Sunday School Building (add.), Gowan, Md., \$22,000. Architect, private plans. Owners, Gowan, M. E. Church, Rev. Charles L. Plate, Gowan, Md. Granite, 32x30 feet, addition 40x75 feet, slate roof, marble trimmings (heating and lighting reserved). Contract awarded to Cowan Building Co., Baltimore, Md.

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

WHY WE DO IT.

Advertise and the world buys of you; Renig, and you need a loan.

If you never tell what you have to sell, You'll have troubles all your own.

— 'Los Angeles Evening Herald.'

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Ripka Mills Co. (O), Carson and Main streets. E. R. Cuthbertson (C), 334 Roxborough avenue. Cost, \$3,000. Boiler house, stone and brick, 63x79 feet, Carson and Main streets.

Wendell & Smith (O), Overbrook, Pa. Milton W. Young (C), Overbrook, Pa. Cost, \$9,500. Dwelling, stone and brick, 3 stories, 43x38 feet, 6450 Sherwood road.

J. Charles Yundt (O), 301 Tabor road. Cost, \$14,700. Seven dwellings, brick, 2 stories, 14x42 feet, Lawrence and Ruscomb streets.

Walter Smith (O), 5273 Ridge avenue. Cost, \$1,750. Dwelling, brick and stone, 2 stories, 16x43 feet, 3853 Mansyunk avenue.

Louis W. Merz (O), 4942 Parrish street. Cost, \$4,250. Three dwellings, brick, 2 stories, 13x47 feet, Forty-ninth and Reno streets.

Peter Wynn (O), Swanson and Ritner sts. John Botwright (C), 5909 Pine street. Cost, \$4,500. Dwelling, 2 stories, 35x32 feet, Meadow and Porter streets.

John Adair (O), 6900 Second street pike. Cost, \$6,000. Four dwellings, brick, 2 stories, 16x37 feet, Fanshawe and J streets.

W. E. Stock (O), 7326 Second street pike. Cost, \$6,000. Four dwellings, brick, 2 stories, 16x37 feet, Arthur and E streets.

Charles F. Rucker (O), 7413 L street. Cost, \$2,500. Dwelling, brick, 2 stories, 16x40 feet, Gilham and Oakley streets.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$7,500. Dwelling, stone, 3 stories, 37x27 feet, Springer street and Lincoln Drive.

Alterations and Additions

Board of Education (O), Land Title Building. William R. Dougherty (C), 1610 Sansom street. Cost, \$5,970. School, concrete work, Cheltenham and Rising Sun lane.

H. H. Palmer (O), 519 Real Estate Trust Building. Acetylene Gas and Const Co. (C), 503 Chestnut street. Cost, \$1,967. Rooming house, 3918 Spruce street.

M. T. Prise (O), 2329 South street. T. Cunningham (C), 2016 Alter street. Cost, \$500. Store and dwelling, 2314 South street.

James Doak, Jr., Co. (O), Trenton and Norris streets. Stewart Bros. (C), 2526 North Orkney street. Cost, \$350. Tank supports, Trenton and Norris streets.

Wendell & Smith (O), 515 Pelham street. McClintock & Weaver (C), 24 West Phil Ellena street. Cost, \$500. Dwelling, 6665-7 Cresheim road.

J. W. Lysinger (O), Norristown, Pa. Walter F. Burton (C), 1909 Etting street. Cost, \$1,550. Dwelling, 2122 DeLancey street.

George A. Jones (O), 5216 Girard avenue. Thayer & Lambert (C), 5612 Walnut street. Cost, \$630. Store and dwelling, Sixty-first and Jefferson streets.

Mary Green (O), 1416 North Delke street. Elmer P. Bates (C), 1113 Parrish street. Cost, \$550. Dwelling, 1335 North Hutchinson street.

Pennsylvania Railroad Co. (O), Broad Street Station. James Stewart Co. (C), Chicago, Ill. Cost, \$200,000. Grain elevator, 100x200x110 feet high, Twenty-sixth and Schuylkill avenue.

Joseph Redfern (O), 3238 North Front street. J. W. Mortimer (C), 3024 E street. Cost, \$500. Store and dwelling, 3216 North Front street.

Mrs. M. Toner (O), 1235 South Twenty-second street. A. K. Siple (C), 2419 North Twenty-eighth street. Cost, \$380. Garage, Twenty-second and Oakford streets.

Joseph E. J. McGee (O), 6936 Ridge avenue. Cost, \$500. Stable, Paoli and Ridge avenue.

Thomas E. Coale (O), Red Lion and Knight roads. Alfred Darrah (C), Andalusia, Pa. Cost, \$450. Dwelling, Red Lion and Knight roads.

St. Nathaniel's Church (O), Allegheny avenue and E streets. Frank E. Wallace (C), 1220 Chancellor street. Cost, \$6,964. Parish House, Allegheny avenue and E streets.

Edward Swift (O), Germantown. German-town Stone Mason Co. (C), 453 Mechanic

street. Cost, \$800. Garage, Sprague and Dawson streets.

Burt Bros. (O), 2000 South Ninth street. Cost, \$4,000. Building, 2008-14 South Ninth street.

C. J. Klienienski (O), Fifty-third and Pine streets. Cost, \$400. Bakery, Fifty-third and Pine streets.

J. W. Masland (O), 1219 Sixty-eighth avenue. C. L. Hemmerly (C), Norristown avenue and Melrose avenue. Cost, \$2,050. Dwelling, 1219 Sixty-eighth avenue.

H. Disston & Sons (O), Tacony, Pa. F. W. Van Loon (C), Denckla Building. Cost, \$6,884. Milnor and Unruh streets.

N. Boccelli (O), 4903 Wayne avenue. Cost, \$650. Store and dwelling, 4903 Wayne avenue.

F. E. Zlamell (O), 504 Woodland terrace. John F. Holland (C), 309 South Fifty-first street. Cost, \$510. Dwelling, 504 Woodland terrace.

Continental Title and Trust Co. (O), Stephen Girard Building. Harry F. Murphy Co. (C), 1615 Sansom street. Cost, \$475. Restaurant, 1390 Ridge avenue.

B. Viner (O), 477 South Ninth street. H. Lovitz (C), 526 Fernon street. Cost, \$1,500. Dwelling, 630 Pine street.

Weightman Estate (O), 1938 Market street. Smyser Royer Co. (C), 1225 Race street. Cost, \$2,000. Office Building, Chestnut and Juniper streets.

S. E. Powelson (O), 2225 North Twenty-ninth street. E. C. Durell (C), 1713 North Twenty-fourth street. Cost, \$1,000. Dwelling, 4934 North Thirteenth street.

J. Cohen (O), 705 South Fourth street. M. Ruberg (C), 708 South Fourth street. Cost, \$1,500. Store, Fourth and Bainbridge streets.

William H. McCartney (O), Bristol pike, Torresdale, Pa. Cost, \$1,000. Dwelling, Cottage and Pearson avenues.

Naval Y. M. C. A. (O), Thirteenth and Shunk streets. H. D. Prettyman (C), 2603 South Broad street. Cost, \$4,500. Y. M. C. A. Building, Thirteenth and Shunk streets.

Martin Lombroski (O), 5500 Almond street. Lewis Ahlers, Jr. (O), 4433 Salmon street. Cost, \$375. Garage, 4505 Almond street.

H. De Sherbert (O), 1738 Christian street. Girard Morse (C), 1805 Christian street. Cost, \$350. Cafe and dwelling, 1738 Christian street.

H. B. Hendricks (O), 103 West End Trust

Building. Chris. Hoffman (C), 210 Dickinson street. Cost, \$500. Rooming house, 246 North Eleventh street.

William Cramp & Sons (O), Eleventh and Market streets. Hoffman Eng. and Const. Co. (C), Pennsylvania Building. Cost, \$1,000. Offices, Richmond and Norris streets.

American Oseologic Hospital (O), Thirty-third and Powelton avenue. Frank E. Wallace (C), 1220 Chancellor street. Cost, \$360. Hospital, Thirty-third and Powelton avenue. Edw. J. Flood (O), 640 Carpenter street, William C. Wright (C), 22 Harvey street, Germantown. Cost, \$700. Garage, 640 Carpenter street, Germantown.

John T. Bailey Co. (O), Water and Tasker streets. William Easterbrook (C), 146 North Fourth street. Cost, \$1,520. Boiler house, Water and Tasker streets.

Nicholas Muller (O), 2234 North Third street. Jacob Gaertner (C), 2214 North Third street. Cost, \$675. Dwelling, 2234 North Third street.

City of Philadelphia (O), City Hall. Russell & Keffer (C), Commercial Trust Building. Cost, \$800. Fire house, Frankford avenue and Ruan street.

Wirt & Knox Co. (O), York and Sedgley streets. Dorsey & Smith (C), 111 North Seventh street. Cost, \$350. Factory, York and Smedley streets.

General Processing Co. (O), Collins and Willard streets. Cost, \$5,000. Dye house, Collins and Willard streets.

L. Bruman (O), 1841 North Thirty-third street. James Sevin (C), 1530 South Sixth street. Cost, \$550. Dwelling, 1847 North Thirty-third street.

A. Percival Henning (O), 5040 Wayne avenue. B. P. Evans & Co. (C), Thirteenth and Wallace streets. Cost, \$600. Dwelling, 5006 Wayne avenue.

Walter Ottinger, Sr., trustee, 6109 Christian street. H. Reusswick (C), 137 North Tenth street. Cost, \$6,000. Church, Fifty-ninth and Cobb's Creek Parkway.

American Ice Co. (O), Sixth and Arch streets. H. R. Heinick Co., Inc. (C), Drexel Building. Cost, \$2,125. Chimney, Phillips and Cambria streets.

TREES OLDEST LIVING THINGS IN WORLD.

Recently the government has issued a bulletin on the giant trees of the Sequoia National Park of California. There are 1,166,000 of these great trees, the oldest of which is 3,200 years of age, the tallest 292 feet high, the greatest diameter 36.5 feet. The greatest diameter 100 feet above the ground, 17.7 feet. These trees are the oldest living things in the world.

In the days of the Trojan war and the exodus of the Hebrews from Egypt, the oldest of the giant sequoias was a sapling twenty to thirty feet in height, and by the time of the Marathon was mature.

The redwood tree grows to a height of 150 to 300 feet, with a diameter from three to fifteen and even twenty feet at the base. The trees grow very close together and will average from 75,000 to 100,000 board feet to the acre. The record yield per acre is 1,000, 000 board feet.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., NOVEMBER 3, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year.—*C. Grant La Farge, New York City;
H. Van Buren Magonie, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

The falling of a projecting cornice from one of the local school buildings serves to redirect public attention to a subject several times touched upon in these columns.

Projecting cornices, elaborate, heavy roof signs, window balconies,—ornamentation of any description that protrudes beyond the building line, should be prohibited.

If for any good reason it should be regarded as impracticable to deal with them so drastically, then it is clearly the duty of the Bureau of Building Inspection to frame such regulations insuring their ability to withstand stress and storm as may be necessary to guarantee the safety of pedestrians.

Fortunately there were no casualties reported in connection with the fall of the school cornice in question, but as there quite easily might have been, the general subject would seem to be one for the attention of Building Inspection.

* * *

Safeguarding the public in the matter of operations in process of construction,—another phase of the same subject,—has been under consideration for some time in New York City.

One article of the new building code which is being put into form for acceptance by the Board of Aldermen aims to reduce the number of accidents to pedestrians passing near buildings under construction. So many have been injured in the past that Rudolph P. Miller, who is revising the code, has framed an article which will deal with safeguards during construction, or demolition of buildings. It is Article X, and has just been issued in preliminary form for criticism. It is stringent in its provisions and is expected to reduce considerably the number of accidents to pedestrians and workmen during construction of a building.

The principal one of these safeguards is the sidewalk shed, which will be required in every building operation over forty feet in height or the raising of an existing building to a greater height than forty feet. The provisions, however, will not apply when such a building sets back more than ten feet from the building line. The details of the construction of such sheds will be left to the Superintendent of Buildings. Such sheds must be maintained during the entire building operation and must extend from the building line out to the curb. They must be lighted at night. A similar shed is required while a building over forty feet in height is being demolished.

When a sidewalk shed is not required and building operation consists of new construction or material alteration to a building the space in front of the building must be enclosed by a fence at least eight feet high. Such a fence may extend into the highway a distance of not exceeding three feet. The

openings in it must be provided with either sliding doors or doors swinging inward.

A section is also included requiring the protection of skylights and roofs of adjoining buildings in the case of any building operation going more than fifteen feet above such roof.

The safeguards provided for in the present law with respect to scaffolding are continued.

When a building is being demolished it must be taken down story by story until it is completely removed. No material must be stored on any floor in the course of demolition, but all material must be removed as rapidly as conditions will permit. The material must be properly wet so as to prevent dust.

* * *

Professor Paul P. Cret, of the Architectural School of the University of Pennsylvania, who is with the French army in Belgium, sends an occasional letter to friends here in the profession. The impression conveyed by Mr. Cret's letters is that life in the trenches is depressingly monotonous. He speaks with some feeling of his memories of pleasanter associations here in Philadelphia, and refers somewhat quizzically to his chances of returning. It is evident from Mr. Cret's letters that the trench warfare on the Eastern front has become largely a question of resources, the progress made by the contending armies within months being so slight as to be almost negligible. One gains a rather clear insight from Mr. Cret's interesting observations into the astounding scale on which the present war is being conducted—its titanic proportions and amazing equality of resource.

One recalls, almost automatically, the assertion made early in the war that the contest would in the end prove to be economic rather than military, and that it would be determined by its bankers rather than by its warriors.

* * *

The first autumn meeting of New York Chapter of the National Fire Protection Association was addressed by H. J. F. Porter, M. E., on the subject of "The Importance of Building Exits." Mr. Porter has specialized in the field of fire-prevention engineering for years and has made a particular study of horizontal exits, as distinguished from vertical exits. President R. P. Miller was in the chair.

At the conclusion of the talk there ensued a general discussion of the subject, in which Robert D. Kohn, former president of the National Fire Prevention Association; Prof. Woolson and F. J. T. Stewart, representing the insurance interests; Chief Kenlon and Chief Hammett, of the Fire Department; A. L. A. Himmelwright, C. E.; Julius Franke and others took part.

Mr. Porter developed the thought that the horizontal exit was the most dependable emergency exit that can be installed in a building. With the aid of illustrations thrown

on a screen he described the hazard existing in many buildings because of dependence on exterior fire-escapes and vertical stairways of obsolete types. Even some proof towers in an emergency were liable to become choked with people and cause a panic.

Starting with the Triangle factory fire, he showed how far short the present laws come from following the recommendations of the commission which investigated the causes of that holocaust, through permitting the number of occupants on a floor to exceed the capacity of exits. Mr. Porter has his own formula for figuring the capacity of exits, a formula which Mr. Kohn took some exception to in the discussion which followed.

The various ways in which horizontal exits can be secured so as not only to get the full exemptions allowed by law, but also to comply with the law inexpensively, were described in an interesting manner. A horizontal exit may be through a fire wall into another section of the same building, or into a building next door, or across bridges to the rear of an opposite building.

Chief Kenlon in his remarks urged that dependence be placed not merely on horizontal exits, but also on smoke-proof towers and automatic sprinklers. He favored the use of all three means. In fighting a fire, as in fighting a military battle, the best strategy consists in flanking the enemy when possible. The smoke-proof tower enables the firemen to attack flames on any floor at close quarters from a safe position. The automatic sprinkler was also valuable in extinguishing incipient flames, but not infallible.

"Give us smoke-proof towers and we don't care, as firemen, how high you build your skyscrapers," exclaimed the Chief.

The discussion was an exceedingly profitable one. While it developed the value of horizontal exits, it also served to emphasize the value on some accounts of smoke-proof towers, as well as of automatic sprinklers. Chief Kenlon said he wanted all three, and the Fire Department would still be needed.

* * *

The appended little homily on trade balances, economic standards and the existing outlook, is so different in its tone from the usual whine of gloomy prophecy heard in this connection, that we are moved to quote it, in part at least. It is taken from the columns of "Keith's Magazine," a Milwaukee publication.

"The dream of Pharaoh which Joseph interpreted pictured seven fat years following seven lean ones. It is a curious enough fact, but modern statistics show, we are told, that the business tide ebbs and flows in approximately seven-year periods. Since 1907 the tide has been on the ebb, according to this statement, and to-day there can be little question but that the tide has turned.

"For the first half of the year 1915 a foreign trade balance of stupendous figures has been amassed and is still increasing. This trade balance has been built up not alone from the necessities of war, but also by the needs of the home.

"The principal factor contributing to this

result, we are told, was not munitions of war, which might seem to give us a responsibility in this terrible slaughter, so much as food-stuffs, the exportation of which for eleven months amounted to nearly three-quarters of a billion of dollars. Of this, wheat constituted the largest item of increase over the previous twelve months, followed by flour, beef and other meats.

"In this country the demand for labor and for the product of labor is becoming stronger, while capital created by economy is awaiting the inevitable demand for its legitimate use. Prosperity seems to beckon from the distant horizon.

* * *

"We all bow down before, and bump the head hard three times in the presence of, that mighty and mysterious fetish, The Trade Balance. Whether we discuss industry, commerce, finance or the tariff in a nation-wide sense, we do not overlook the masterful relation of The Trade Balance thereto, nor forget to beseech his statistical favor in order to give point and emphasis to argument. It is true some economists have jeered at The Trade Balance and called him a Stuffed Prophet.

"So we ought to be very happy over here

on this side of the Atlantic. We have assured ourselves time and again of the potency and goodness of The Trade Balance. And now that we have it, in amount to exceed all the dreams of avarice, what are we going to do with it?

"The inner economic meaning of this windfall of war we are not able to establish at this time. The United States as a whole is a great deal richer in both money and credit than it was a year ago.

"We are saving a good deal of money in our relations with Europe on other than trade scores, notably in the expenses of travelers and tourists—the latter of whom are princely spenders."

* * *

Here's a thought worth fling:

"We are coming into a fuller and clearer realization of beauty as an economic asset," the Minnesota State Art Commission tells us. "The industrial arts of France or the handicrafts as we have come to think of them, exceeded in their economic value in one year the total valuation of the American wheat crop."

Head this, when you come to file it, "Beauty as an Economic Asset."

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**The Eastern Supply Association held its annual meeting at the Hotel Astor, Wednesday, October 20, at which Joseph F. Evans, of the Wyoming Valley Supply and Manufacturing Co., Wilkes-Barre, Pa., delivered an address on "Trade Loyalty," and Guilford R. Adams, of Samuel Sloane & Co., Rochester, N. Y., read a paper entitled "Better Business Blocks." An open discussion was held on the 10 per cent. discount plan.

**Henry Clay Carrel, a member of the firm of Gillespie & Carrel, architects, 1123 Broadway, New York City, died after a long illness at the University Hospital, Philadelphia, Pa., Tuesday, October 19. Mr. Carrel was born in Cincinnati, in 1869, and received his early education in the public and high schools of that city. He was a member of the Architectural League of New York, a Fellow of the American Institute of Architects and a member of the Brooklyn Chapter of that society. He also belonged to the Japan Society, Hamilton Club and Commonwealth Lodge, No. 409, F. and A. M. Mr. Carrel was a bachelor and lived at 93 Hicks street, Brooklyn. He is survived by two brothers and sisters. His body was taken to Cincinnati for burial.

**The Society for Electric Development, Inc., is completing its arrangements for the Electrical Prosperity Week, November 29-December 4. Interesting programs are now be-

ing prepared for each day of the celebration, further announcement of which will be made in a later issue of this paper.

**Mayor Thomas L. Raymond, of Newark, N. J., thinks that a city architect and engineer would be an economy and is seriously considering a recommendation to that effect. A large amount of money is now spent annually in fees to architects and engineers, by the various city boards, which he feels might be reduced by the employment of a city architect and the installation of an architectural department.

**The National Builders' Supply Association will hold its annual convention at Cleveland, O., February 17-19, 1916. Headquarters at the Hotel Statler.

**The American Enameled Brick and Tile Co., 1182 Broadway, has obtained the order to supply the enameled brick to be used in the construction of the Park Place Terminal Building in Newark, N. J. The order was secured through the concern's Newark representatives, A. S. Reid & Co. Approximately 670,000 white, brown mottled and colored American enameled brick will enter the walls of this structure.

**Herbert O. Weigand, architect, Forest Hills, L. I., desires catalogs and samples from manufacturers and supply houses interested in the building trades.

**E. C. Stearns & Co., of Syracuse, N. Y.,

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.

**THE PHILADELPHIA
ELECTRIC COMPANY**
TENTH AND CHESTNUT STS.

have taken over the plant and business of the National Incinerator Co., and in future will handle the sale of the "Incinerite," a gas burning device for the disposal of garbage and other household waste.

**Joseph D. Allen, architect, has opened an office for the practice of his profession in the Union Building, Newark, N. J.

**C. W. Ellenberger, architect, has opened an office for the general practice of his profession in Main street, Hampton, N. J.

**W. E. Clum, architect, has moved his offices from 74 Broad street to 120 Broad street, Elizabeth, N. J.

THE ARCHITECT AND THE ENGINEER IN THE FUTURE.

At a recent meeting of the Philadelphia Chapter, Mr. John C. Trautwine, widely known as an eminent engineering authority, delivered an address upon the subject of the Architect and the Engineer. Opinions will no doubt differ greatly as to the position which Mr. Trautwine takes, and we believe that the picture of the architect secluded "behind his curtained office entrance, under his picturesquely low ceiling, in rooms lighted by small-paned windows," will not suggest itself generally as a faithful description. But Mr. Trautwine offers a good deal of food for reflection, and some interesting ideas as to the future development of the process of socialization. He said, in part, as follows:

"Any estimate of the future relation between architects and engineers, or of the nature and extent of their future co-operation, must take into the account that prodigious and evolutionary progress in socialization, which, beginning with the advent of the steam engine, has been the distinguishing feature of our economic development during the last hundred years; a process which means the

unification of mankind and thus the substitution of a natural and horizontal stratification in place of the numerous, artificial, vertical, and generally mischievous cleavage planes which still separate mankind into small and contending, if not inimical, groups.

"A century ago, each individual depended almost wholly upon himself (or upon other and almost equally inefficient individuals) for the supply of his very restricted wants. To-day, governments, national, state and municipal, vie with giant private corporations for the privilege of transporting him (in small armies and over prescribed routes) and his goods from place to place, and they have thus brought the whole world to his door. Similar stupendous agencies provide him with water supply, with street facilities, with clothing, with food and with fuel, all more or less under governmental control; they put him in instant communication with his fellowman at the world's end; daily, weekly, monthly, or 'every little while,' and in volume hopelessly beyond his reading powers, they inform him as to the world's doings. The poorest dweller in a city is made the virtual owner of its street and park systems, and his city not only keeps these in repair for him, but provides him with free baths and free band concerts.

"And is the individual then left idle? On the contrary, he has been made an employee, and thus a part, of one or other of these very agencies.

"Now, owing to its nature, engineering, as a business, has gone farther in this direction of socialization than has architecture; for, in general, the engineer designs relatively large works, under the direction of large clients—governments and great industrial corporations, such as railroads, mining, and manufacturing companies—whereas, in general, the architect serves rather the private individual or a relatively small group—the builder of his own mansion, or a church, or bank corporation. Hence, a large proportion of engineers have become salaried employees, either of governments or of large corporations, whereas one thinks of the employing architect as an individual or a small firm, with relatively few employees.

"As, in general, the lawyer continues in strictly private practice, while the conveyancer has been driven or drawn out from the dingy quarters which he occupied a half century ago, and has been herded, with hundreds of others, in the employ of great title companies, so also the architect (still the director of his own fortune) secludes himself behind his curtained office entrance, under his picturesquely low ceiling, in rooms lighted by small-paned windows, while his engineering brethren (having to handle larger work) form large corporations, employing hundreds of highly trained and specialized assistants.

"The non-distant future is bound to see the culmination of the socializing process. Possibly within the next generation or two, all the business of the civilized world will have become public business, and all its people will be parts and employees in the world industrial army. To the engineer this will bring a con-

dition differing only in degree from that to which he is already accustomed; but the architect has still to undergo the socializing process in which the engineer seems to have been pushed farther.

"And, as the architect is thus driven out of the splendid isolation which now distinguishes him, he will see that the supposed barriers between him and the engineer are largely artificial and conventional, partaking of the nature of those other vertical cleavage planes, the intersecting frith and the mountain interposed, which (although now largely bridged and tunneled by the engineer) still, to some extent, 'make enemies of nations that had else, like kindred drops, been mingled into one.'

Stupendous as are the material benefits conferred by the socializing process in which we find ourselves, they sink into insignificance when compared with the accompanying moral blessings—the end of hatred and suspicion and secretiveness and meanness; the end of the wasteful and unnecessary conflict of competition for private gain, and the substitution of co-operating and co-ordinated world-effort for the general good; the beginning of the study of the human being as a spiritual entity; the elevation of the human race from its present squalors and prejudices and ignorances; the advent of the superman; the opportunity, for the first time, to practice Christianity.

"In this coming millennium, in the breaking down of the vertical partitions which now seem to separate them, architect and engineer must perforce share, to the great benefit of both and of the entire community."

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 29, 1915.—Sealed proposals will be opened in this office at 3 P. M., December 10, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at Greenwich, Conn. One-story-and-basement building, 8,550 square feet ground area; partly fireproof construction; brick facing with stone trimmings; composition roof. Drawings and specifications may be obtained from the custodian of site at Greenwich, Conn., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

"The Guide" is now covering Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia, Ohio and Illinois. And it's growing, growing, growing.

REINFORCED CONCRETE FACTORY BUILDINGS

Advantages and Disadvantages of This Type of Construction—Problems Frequently Met With—Relative Cost Discussed.

By F. W. Dean, of Boston, Mass.

(Paper presented at the annual meeting of the American Society of Mechanical Engineers, New York City.)

The reinforced concrete type of factory building is in favor at the present time and is likely to continue. The type has some important qualities, the chief of which is probably that it is fireproof, for it gives the maximum resistance to fire.

In addition to its fire resistance, there are other merits to this type of construction, among which may be mentioned the somewhat greater window area than that which is practical in a regular mill construction building, the light color of the ceilings, with consequent good lighting, although wood ceilings are often painted white, and its adaptability to heavy loads, without requiring narrow bays.

Floor Construction.

There are two general types of concrete floor construction in use, one having beams and the other smooth ceilings, the latter being usually known as mushroom construction, although there are other designs. The beam system is advisable in most factory buildings, especially if there are to be lineshafts with pulleys of size. The beams enable short hangers to be used while giving room for pulleys and belts.

For textile mills and some kinds of machine shops the beam construction is, in the writer's opinion, to be preferred, while in storehouses and perhaps in machine shops with small tools, and especially if motor driven, the smooth ceiling is best. Both systems permit equally good lighting, as the light enters parallel to the beams. The strains in the mushroom system of reinforcement are more uncertain than in the beam system and are empirical. In practice, however, no inconvenience or risk comes from this.

When the beam system is used a building can be erected as a whole, being entirely encased in forms, or it can be built by the Ransome or unit system, in which columns and beams are cast separately and erected somewhat as wood beams are. By this means it is claimed that a concrete building can be constructed more cheaply and rapidly than by the other system. It seems as if this may be true, as no doubt less lumber is used, and all forms are built, and all pouring done, on the ground, where both can be done most conveniently.

Vibration.

A claim for the reinforced concrete structure is made that machinery can be run faster than in a mill construction building on account of reduced vibration. This seems improbable, as there is no evidence, so far as I know, that vibration is increased in practice, by an increase of speed. In fact it might be

reduced. That there is less vibration in general in reinforced concrete buildings than in the other type, is, of course, true, but whether it permits a greater increase of speed is another question. Speed limits are caused by other things than the rigidity of buildings, such as the limitations of the machines themselves, personal skill, and accompanying processes.

An inconvenience of reinforced concrete buildings is the large size of columns required, and this is so great that in some cases they are hardly practicable. In many instances steel columns have been used covered with cement. In textile mills large columns cannot be tolerated.

Concrete floors are usually a source of trouble. Such floors cannot be uniformly dense or hard and they therefore wear unevenly, especially if trucking is done. In fact, trucking disintegrates them and they become rough and full of cavities. An effort to prevent this by using coarse crushed granite in rather dry cement has been made, but this cannot be made uniform. There are also special materials for incorporation into concrete which are quite effective in preventing wear, but they are so expensive that they must be used sparingly.

Some Disadvantages.

A disadvantage of concrete buildings is that many things in connection with placing machinery, wires and pipes require working out in advance. Errors are in this way introduced and their correction is slow and expensive. Moreover, some have to be worked out in forms for concrete construction, which have no counterpart in regular mill construction, such as sockets for supporting sprinkler and other pipes, inserts for wires, and built-in angles for supporting shafting hangers, or inserts which can be used for supporting angles for this purpose. Similarly, inserts must be built in for bolts for securing machinery, or the concrete floor must be drilled for expansion bolts, unless wood floors are used over the concrete. All these add to the cost of drafting and construction, and make delays in both cases. Should machinery require moving, the work is again troublesome.

It is often asserted that operatives do not like to stand on concrete floors, because, probably, they are cold. This has in some cases been a reason for using a wood top floor.

Wood Top Floors.

Concerning methods of putting down such a floor, the writer is of the opinion that it is best to simply lay planks 2½ inches to 3

inches thick on the concrete, and nail the regular top floor to them. The mass of planks is sufficient to give all the desired stability, and the nailing of the top floor makes one mass of the whole. When such floors are washed water settles in the cracks and will cause the planks to rot. They should therefore be kyanized, or otherwise treated, to prevent rot. For certain factories in which food products are made, kyanizing is better than some of the other processes, because lumber so treated is odorless.

Concrete buildings, unless finished on the outside in some manner to obliterate the marks of the forms, are unsightly, but if properly treated are handsome. There is no limit to the ornamentation and beauty that can be given them. There are two different treatments that are commonly given to the outside surfaces of buildings; one is tooling, usually with a pneumatic tool; and the other is washing with a marble, cement or other wash, which obliterates to some extent the form marks, and makes the color more uniform. Some chiseling may be necessary before this is done, and stoning down with sand and water make the result still better.

Fire Prevention Needed.

While concrete buildings are fireproof, it should not be supposed that they do not need sprinklers and other fire prevention, as the contents are as inflammable as in any building. Some people have supposed that it was unnecessary to use sprinklers and have left letter files and books unprotected over night, and they have been consumed. In one case the furniture made a fire that cracked the cement of the reinforcement to such an extent that the latter was injured and the building was warped. It is true that the building stood and required but little repairing.

The Salem, Mass., fire has shown the importance of abandoning overhanging wood roofs, wood window frames and sashes or any other exposed wood in any kind of construction. Danger in this case came from the outside and sprinklers were useless. The brickwork resisted the fire perfectly, and with the building walls extended above the roof, the window frames and sashes of steel, and sometimes the use of wired glass and shutters, no danger to mill construction buildings from external fires is likely to occur. This was shown by an old circular brick storehouse at the Naumkeag Mills with a wood roof, which was covered everywhere, remaining intact.

In view of the short life of many buildings it is interesting to consider the difficulty of demolishing a building tied together in all directions by steel rods encased in a material that becomes as hard as rock.

Relative Costs.

The question as to the relative costs of reinforced concrete and mill construction buildings is one difficult to answer. It has often been stated that the former can be erected almost as cheaply as the latter, but I am doubtful if this be true. After forms have been built progress is rapid until they have to be moved, and it is true that for a

part of the work a cheap grade of labor can be used. Judging from the writer's own experience, reinforced concrete factory buildings cost fully 20 per cent. more than those of regular mill construction having brick walls, steel beams, spruce plank and maple top floors. If wood floors are required for concrete buildings the percentage is increased.

It is a common practice to fill in the panels of concrete buildings with brickwork, but because it is cheaper than concrete, and because it looks better.

The great question, after all of the advantages and disadvantages are considered, is whether it is advisable to use reinforced concrete buildings for factory purposes. This question may be answered by saying that in cities where fireproof construction is of paramount importance they should be used, or at least the floors and roof should be of such construction. In cases where extra heavy floor loads are to be sustained it may be advisable because other constructions may be more costly. Where, however, more ordinary floor loads are to be carried, and where buildings are isolated, it is difficult to discover sufficient reason to justify an extra expenditure of 20 per cent., which can give no return, and which merely buries capital.

MODEL MARKETS.

All in White Enamel Tiles and Carrara Glass.

Two new market buildings were recently opened to the public in New York City. The interior of Washington Market has been so completely rebuilt that it is virtually a new structure, except the shell. The stands, refrigerators and all the fittings are in white enamel tile, so that they can be kept absolutely clean and sanitary.

Vincent Astor's market, at Broadway and Ninety-fifth street, materializes an idea Mr. Astor got while inspecting and investigating markets as a member of Mayor Mitchell's Market Commission.

From a financial standpoint he would have profited much more by erecting an apartment house on the site, but he had a message to carry to New York and he told it to Everts Tracy, of Tracy & Swartwout, his architects, and Mr. Tracy put it on paper and James McWalters & Son did the rest.

White tile floors, white Carrara glass counters and large white enamelled ice-boxes carry out this impression. There are no concealed spaces, no mouldings to catch dirt. All meat and poultry is in plate glass cases, cooled by coils gleaming with frost. All refrigerators are cooled by ice machines in the basement.

Then there is an incinerator, which burns not only all waste and garbage, but, what is fully as essential, all odors, in its 1,700 degrees temperature.

The architects designed the exterior in the style of the Renaissance markets of Florence. The material is travertine, and a serafito frieze in rich color ornaments the entire cornice of 290 feet. The architects' conception of this frieze was admirably worked out by William A. Mackey, the mural artist, and it is a new exterior color note in the city.

SALEM'S NEW HOUSING LAW.

The city of Salem, which was burned over in part not so long ago, has settled the question of building height in a simple way in its new housing ordinance. No dwelling or apartment house may have more than one story for each ten feet of width of the street, unless the house is set back from the street a distance equal to the excess of its height over that permitted at the street line. A hotel is in no case to exceed seventy feet in height.

Every room in a dwelling—and tenements and hotels are classed as dwellings—must have a window opening directly upon the street, yard or court. The total window area shall be at least one-seventh of the superficial floor area. Ninety square feet is the minimum size of a room, and no room may be less than seven feet wide. In multiple dwellings there must be in every group or suite of rooms at least one containing not less than 150 feet of floor area. The Board of Health is required to make an inspection of all kinds of dwellings at least once a year.

Apart from the Housing Ordinance there is a code of regulations for the erection of buildings within the burnt district. Every builder who operates there must have a license. Buildings are divided into six classes. The first class is for fireproof construction, the second for ordinary construction limited to five stories, the third is for multiple dwellings, limited to four stories, the fourth for private dwellings, the fifth is for store and dwellings, and may be of wood if not more than two and a half stories high, and the sixth class are for factories and storage. There is still a third code of building regulations, which is of more general application than the two referred to.

DISTINGUISHED ARCHITECTS HOLD COAST MEETINGS.

The recent visit to San Francisco and Los Angeles of the officers and members of the American Institute of Architects was a notable one. The Institute officers present included the following: President, R. Clifton Sturgis, Boston; Vice-President, Thomas R. Kimbal, Omaha; Secretary, Burt L. Fenner, New York; Treasurer, J. L. Mauran, St. Louis; Directors, John H. Rankin, Philadelphia; Octavius Morgan, Los Angeles; W. R. B. Willcox, Seattle.

Mr. C. H. Whitaker, editor of the "Journal," and some forty other members and ladies, came by steamer from the North. The San Francisco Chapter of the American Institute of Architects had arranged a meeting on Friday afternoon, October 8, at the St. Francis Hotel, and to which it had extended an invitation to be present, all practicing architects, draftsmen and students. More than 200 attended. Mr. W. B. Faville, President of the Chapter, presided and in a few well-chosen words introduced President Sturgis, of the Institute, who delivered an able and exceedingly interesting and instructive address upon the aims and purposes of the Institute. He dwelt upon the practice of the profession

in general, and his talk was received with much enthusiasm.

On Saturday, October 9th, the Chapter held a meeting at 11 A. M. for the purpose of hearing from the "Institute Officers" regarding the proposed reorganization of the Institute, and its proposed new constitution and by-laws, the object being to broaden the scope of the society, and admit to its membership all those belonging to the Chapters. It is believed the reorganization will be accomplished at the coming convention at Washington, D. C., in December. Secretary Fenner and Treasurer Mauran explained in detail the proposed changes, the reorganization plan, etc., after which a general debate took place. An adjournment was taken for luncheon and addresses were made by President Sturgis, Secretary Fenner, Treasurer Mauran, Directors Morgan and Willcox, and President Faville.

On Sunday a breakfast was held at the California Building at the Exposition, arranged by the San Francisco Society of Architects and attended by its membership, the officers and visiting members of the Institute, and the officers of the local Chapter.

At this affair President Meyer, on behalf of the membership, extended the olive branch to the Chapter with the announcement that henceforth their watchword would be "Harmony" in the ranks of the profession in San Francisco, and that he and others would again gladly attend the meetings of the Chapter and do all in their power to help build up the Institute and encourage its aims and purposes on this coast.

Mr. John Galen Howard and others seconded this statement and on behalf of the Chapter, President Faville welcomed the joyous outcome.

The officers of the Institute congratulated all, and President Sturgis, in well-directed and thoughtful remarks, pictured great things in store for the good of the profession in general, and the Institute in particular, through this most happy reunion of the architects of San Francisco.

Monday was devoted to an automobile ride around the city and out to Golden Gate Park, and the beach, luncheon being served at the Cliff House, after which the ride was continued through the Park, Presidio and to the Exposition. At 3.30 Vice-President W. H. Crocker, on behalf of the Panama-Pacific International Exposition, presented President Sturgis with an engrossed testimonial evincing appreciation of the Institute's splendid work for the last fifty years in behalf of architecture and its allied arts. With reference to the architects' part in making the Exposition, Mr. Crocker said:

"The invaluable and lovely work of the architect is illustrated well at this great exhibition. He has planned the very life and face of the show. Without the assistance of the architect little would have been accomplished. The Panama-Pacific Exposition is a monument to the efforts of the 'world's builder'—the architect and designer."

The visiting party left on Tuesday morning for Los Angeles and San Diego.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

James P. Farrell & Co., 1619 Sansom st.
Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.

Builders' Iron Work.

James G. Madden, Franklin Bank Bldg., Phila.
W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg. Phil.
Richards-Wileox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori-g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

James G. Madden, Franklin Bank Bldg.
W. E. Wark & Co., 1737 Filbert st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wileox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pullers.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York.
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Title and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board

Cell Board.

The Philip Carey Co.,
13th and Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility."

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.



receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound to be honored.



A $\frac{3}{4}$ " inside facing of Impervite mortar will waterproof any leaky cellar or pit.

Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg., NEW YORK
Peoples Gas Bldg., CHICAGO
Beacon Building, BOSTON

FOR RESULTS

Advertise in THE BUILDERS' GUIDE

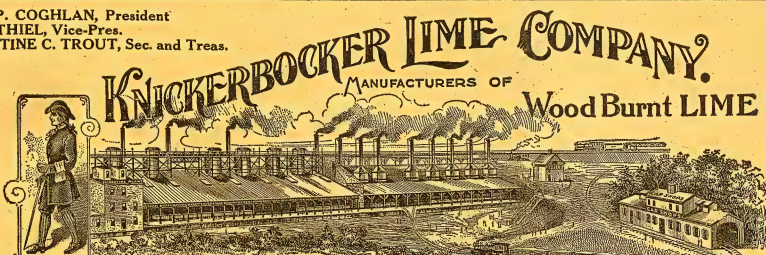
Reaches Architects, Builders and Owners

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

KNICKERBOCKER LIME COMPANY
MANUFACTURERS OF

Wood Burnt LIME

Branch
Office

Telephone
Bell

Locust 200
and 201

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with F. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 45.

PHILADELPHIA, WEDNESDAY, NOVEMBER 10, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



Portland Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere

Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

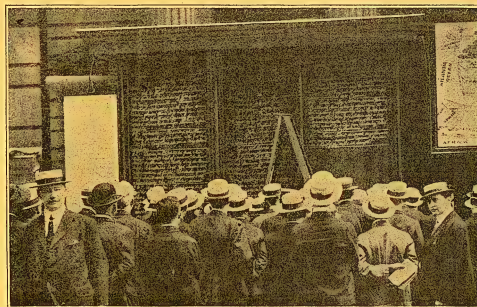
5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

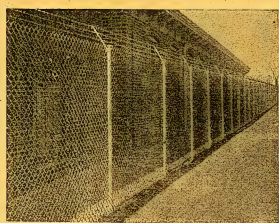
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

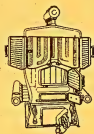
ANCHOR POST IRON WORKS
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The **PIERCE-SCHMIDT CO. Inc.**
BULLETIN BUILDING, PHILA., PA.

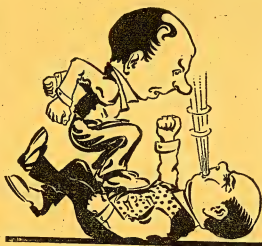
— MILLS —



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of
**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO. Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work
1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.
Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS
Shops, Rochester, Pa.

District Representative

JAMES G. MADDEN
1011 Franklin Bank Building

Bell Phone, Walnut 4344
Keystone Phone, Race 2718 Philadelphia, Pa.

Wire Work



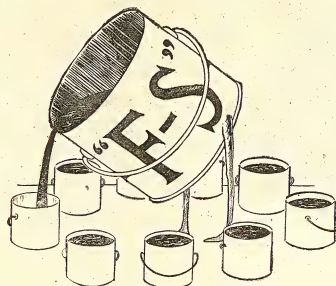
THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGGE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



"F-S" Products satisfy every demand.

When you want an exceptionally good, durable finish to please discriminating people, specify "F-S" Mission Finishes. They are easily applied without danger of lapping or setting while brushing out. They come in a great variety of permanent colors.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863.

136-140 N. 4th St., PHILADELPHIA

(119)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

Has your work ever been held up on account of slow delivery of BRICKS?

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

Complete line of Clay Products, including Face Bricks, Hard Bricks, Sewer Bricks, Flue Linings, Sewer Pipe, Roofing and Floor Tile.

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous. The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.

CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

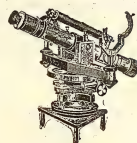
Contractors and Builders

ALTERATIONS

: JOBBING

Bell, Spruce 4419

Keystone, Race 3210



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sunshade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15 to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 8603, 3604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MACDOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 45.

PHILADELPHIA, WEDNESDAY, NOVEMBER 10, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (45), Sixty-eighth and Greenway way avenue, Philadelphia. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, John Connell, Land Title Building, Philadelphia. Brick, 2 stories, slag roof, hot air heating, gas lighting. Plans completed. Owner will take sub-bids in a few days.

Gas Plant (add.), 303 South Thirtieth st., Philadelphia. Architect, private plans. Owners, Fintsch Compressing Co., 301 S. Thirtieth st., Philadelphia. Brick and concrete, 1 story, 22x20 feet, concrete roof, reinforcing bars. Owners have received bids.

Residence, Quincey and Phil-Elena streets, Architect, George S. Idell, 34 S. Sixteenth st., Philadelphia. Owner, E. P. Moxey, Real Estate Trust Building, Philadelphia. Brick, 2½ stories, 52x28 feet, slate roof, vapor heating, tile work, hardwood floors, electric lighting. Architect taking bids, due November 12th. The following are figuring: A. L. Fretz & Son, 1222 Sansom street; Thomas C. Trafford, 1613 Sansom street; A. Whitehead, Inc., 1624 Latimer street; I. A. Dunkelberger, 71 E. Herman street; Kohl & Megarge, 124 E. Gorgas lane; McClintock & Weaver, 24 Phil-Elena street, all of Philadelphia.

Store Building (alts.), 1307 Vine street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, H. S. Marks, care Arthur Boswell, Agent, 233 N. Thirtieth street. Brick, 3 stories, slag roof, steam heating, electric lighting, tile work, metal lath. Architects taking bids, due November 10th. The following are figuring: Lam Building Co., 1001 Wood st., George Hogg, 1634 Sansom st.; Stacy Reeves & Sons, 2011 Market st.; Philip Halbach Contracting Co., Twenty-sixth and Thompson sts.; Smith-Hardican Co., 1606 Cherry st.; J. Rose & Son, 5121 Brown st.; H. Reusswick, 137 N. Tenth st., Philadelphia.

Residences (4), Chew and Meehan streets, Philadelphia. Architect, private plans. Owner, O. S. Miller, Ussal and Chew sts., Philadelphia. Brick and stucco, 2 stories, 16x48 feet, slate roof, hot water heating, tile bathrooms, parquetry floors. Owner ready for sub-bids.

Residences (48), Sixty-third and Larchwood

avenue, Philadelphia. Architect, private plans. Owner, John J. Marshall, Sixty-second and Pine streets, Philadelphia. Brick, 2 stories, 16x48 feet, hot water heating, slag roof, hardwood floors, tile baths. Plans completed. Owner is ready for sub-bids.

Office Building and Shed. Federal and Reed streets, Philadelphia. Architect, Wm. H. Cookman, Broad St. Station. Engineer, A. C. Shand, Broad St. Station. Owners, Penna. Railroad Co., Broad St. Station. Office building, brick, 2 stories, 30x85 feet; Shed, 1 story, 20x50 feet, slag roof, steam heating, electric lighting, composition floors, reinforcing rods, dampproofing, metal lath. Lowest bidders, Mitchell Bros., 2125 Race street, \$19,178.

r Showrooms and Machine Shop (alt. and add.), 2506 N. Broad st. Architect, Le Roy B. Rothschild, Bulletin Building, Philadelphia. Owner, Geo. W. Reinbold, 2419 N. Broad st., Philadelphia. Brick and terra cotta, 1 story, 26x177 feet, slag roof, steam heating, electric lighting, metal ceilings, dampproofing. Architect taking revised bids, due November 12th. The following are figuring: S. B. MacDowell & Son, 1925 Montgomery ave.; James Y. Loux, 1300 Venango st.; Harry Gill, Jr., 2515 Germantown avenue; Freund-Siedenbach Co., Bulletin Building; Lam Bldg. Co., 1001 Wood st.; M. Roy Sheen, 450 N. Wilton st.; McCloskey & Bahls, Hale Building, all of Philadelphia.

Hospital and Power Plant, Fifty-third and Cedar avenue, Philadelphia, \$200,000. Architects, E. F. Durang & Son, 1200 Chestnut st., Philadelphia. Owners, The Misericordia Hospital, care Sisters of Mercy, Merion, Pa. Brick, stone and steel and concrete, fireproof, 7 stories, 50x200 feet; Power house, 1 story, promenade tile roof, concrete fireproofing, metal lath, tile and marble work (heating and plumbing, electric work and elevators reserved). Architects taking revised bids, due November 10th. The following are figuring: Wm. R. Dougherty, 1610 Sansom st.; Irwin & Leighton, 126 N. Twelfth st.; Murphy & Co., 263 S. Tenth street; Doyle & Co., 1619 Sansom street; John McShain, 1610 North street; Edward Pay & Son, 2 S. Mole street; Ketcham & McQuade, 1029 Brown street; Fidelity Const.

Co.; Heed Building; Cramp & Co., Denckla Building; Wm. J. McShane, 417 S. Thirteenth street; J. J. Murphy, 4034 Powelton avenue; M. L. Conneen & Co., 2015 Cuthbert street; Jacob Myers & Sons Co., Witherspoon Building; H. E. Baton, Twelfth and Sansom streets; Melody & Keating, Bailey Building; Frank G. Stewart, 1619 Sansom street; Charles Gilpin, Harrison Building; Thomas Reilly, 1616 Thompson street, all of Philadelphia, and Connors Bros. Co., New York City.

Residence and Alterations to Garage, City Line, Overbrook. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edward M. Story, 413 Walnut street, Philadelphia. Stone, 2½ stories, 106x57 feet, wing 44x23 feet, tile roof, canvas, tile and marble work, steam heating (electric work and parquetry floors reserved). Architect taking bids, due November 10th. The following are figuring: Loos & Dohard, Commercial Trust Building; George & Brost, 277 S. Eleventh street; Stacy Reeves & Sons, 2011 Market st.; Milton W. Young, Overbrook; Metzger & Fisher, Denckla Building; Geo. F. Payne & Co., 401 S. Juniper street; A. L. Fretz & Sons, 1222 Chancellor street.

Loft Building, northwest corner Juniper and Arch streets, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, Charles E. Mather, care Mastbaum Bros. & Fleisher, Finance Building, Philadelphia. Brick, concrete and steel, fireproof, 7 stories, 40x112 feet, slag roof, steam heating, electric lighting, elevator. Plans in progress.

Picture Theatre, Venango street and Germantown avenue. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, J. Effinger, The Brantwood, 4132 Parkside avenue. Brick, concrete, steel and terra cotta, fireproof, 1 story, 125x150 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath. Plans in progress.

Store Building, 833 to 835 Market street, \$100,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Blaumers, Inc., 833 Market street, Philadelphia. Brick, concrete, steel and terra cotta, fireproof, 4 stories, 45x200 feet, slag roof, steam heating, electric lighting, tile and mar-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1088 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The NEW Round ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

bile work elevators. Plans about completed. Architects will take bids in about ten days.

Showrooms and Offices (alts.), Broad and Callowhill streets, Philadelphia. Architect, George S. Idell, 34 S. Sixteenth street, Philadelphia. Owners, Studebaker Corporation, on premises. Consists of office partitions and interior alterations. Architect has received bids.

Office Building (alts.), 1710 and 1712 Chestnut street, Philadelphia. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, Theodore Presser Co., on premises. Consists of new stairs and fire doors, metal lath. Owners have received bids.

Residence, Lincoln Drive, Philadelphia. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, Samuel Knocks, care architect. Stone, $2\frac{1}{2}$ stories, slate roof, hot water heating, hardwood floors, electric lighting, tile work. Architects taking bids, due November 11th. The following are figuring: James B. Flounders, 1329 Arch st.; Wm. Henderson & Son, 327 S. Twentieth st.; A. C. Sparks, Merion, Pa.

Factory (add.), Phillips street, above Jefferson street, Philadelphia. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Harry & Wm. Tutelman, on premises. Brick, 2 stories, 30x34 feet, slag roof, fire doors, steel sash (heating and electric work reserved). Architect has received bids.

Residence, Moreland avenue, above Navahoe street, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building. Owner, name withheld. Stone, $2\frac{1}{2}$ stories, 30x50 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Warehouse, 244 to 248 North Third street, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Cover & Co., 349 North Third street, Philadelphia. Brick and concrete, 3 stories, 51x61 feet. Details not decided. Plans in progress.

Residence, Sixty-six and Oak Lane avenue, Philadelphia. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, James Mifflin, care architect. Stone, 3 stories, 34x45 feet, shingle roof, hot water heating, electric lighting tile work, oak floors. Plans in progress.

Picture Theatre, Store and Residence, Seventy-ninth and Eastwick avenue. Architect, H. M. Pedrich, P. O. Building, Darby,

Pa. Owner, Leon Silberman, Seventy-second and Woodland avenue, Philadelphia. Brick, 2 stories, 75x99 feet, slag roof, metal lath, tile work, electric lighting (heating reserved). Owner has received bids.

Residences and Garages (2), Overbrook, Philadelphia. Architects, Mellor & Smeds, 205 South Juniper street, Philadelphia. Owner, Morris Estate, Henry P. Wright, manager, Overbrook, Philadelphia. Stone, $2\frac{1}{2}$ stories, shingle roofs, oak floors, tile work (electric work and heating reserved). Architects taking bids, due November 10th. The following are figuring: Henry L. Brown, 1714 Sansom street; James H. Wells, Heed Building; H. H. Burrell, 206 South Quince street; Murphy & Co., 1159 S. Wilton street; Alfred James, Bala, Pa.

Stable, Thirty-fourth and Lancaster avenue, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Abbotts Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Reinforced concrete and brick, 2 stories, metal lath, electric lighting, reinforcing bars. Architect has received bids.

School Building (alts. and add.), Green and Carpenter streets. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, stone trimmings, 2 stories (heating, plumbing and electric work separate bids). Owners taking bids, due November 12th, at 1.30 P. M. In addition to those previously reported, W. W. Anstine & Co., 1218 Filbert street; H. E. Baton, Twelfth and Sansom sts.; James Connor, 1317 Arch street; Cramp & Co., Denckla Building; Ketcham & McQuade, 1029 Brown street; Melody & Keating, Bailey Building; Mitchell Bros., 2128 Race street; Thomas Reilly, 1616 Thompson street, are figuring.

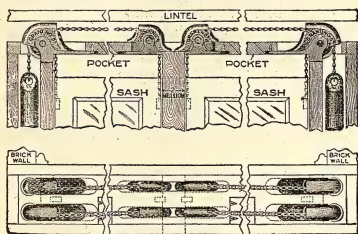
Residence, Upsal street and Wissahickon avenue, Philadelphia. Architect, Laurence Visscher Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, 607 West Upsal street, Philadelphia. Stone, $2\frac{1}{2}$ stories, 32x50 feet, slate roof, hot water heating, oak floors, tile work electric lighting. Contract awarded to I. A. Dunkelberger, 70 E. Herman street, Philadelphia.

Residence, Fifty-first and Brown streets, Philadelphia. Architect, private plans. Owner, Mrs. Elizabeth Balor, 5040 Brown street, Philadelphia. Brick, 2 stories, 16x54 feet, slag roof, electric lighting, hot water heating,

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

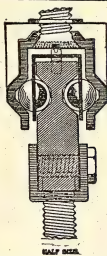
BUILDING LUMBER



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

tile bath. Owner taking bids, due November 8th. J. J. Richards & Co., 136 North Eighth street, are figuring.

Pier Superstructure, McKean street, Philadelphia, \$500,000. Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Owners, City of Philadelphia. John Meigs, Director, Bourse Building. Steel and concrete. Owners taking bids, due December 6th at noon. Plans may be obtained at Room 555, Bourse Building, upon deposit of \$25.00.

Convention Hall (alts.), Broad and Allegheny avenue, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owners, Philadelphia Auto. Trade Association. Broad and Callowhill streets. Consists of rearranging interior of hall for automobile show, electric work, painting, decorating, etc. Plans in progress.

Sunday School Building, Germantown avenue, near Manheim street. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, St. Stephen's M. E. Church, Rev. Wayne Channell, 5213 Germantown avenue, Philadelphia. Stone, 3 stories, slate roof, steam heating, electric lighting. Architects taking bids, due November 12th. The following are figuring: Frank G. Stewart, 1619 Sansom street; William C. Wright, 22 Harvey street; Alex. Chambley, 243 South Tenth street; R. M. Peterson, 5250 Wakefield street; F. B. Davis, 240 North Sixteenth street; L. D. Stites, 126 Herman street; Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Business Building (alts.), 1252 North Broad street, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, A. Paul De Sanno, 1232 Race street, Philadelphia. Brick, 4 stories (heating, plumbing, electric work and tile work reserved). Architects taking bids, due November 10th. The following are figuring: Frank E. Wallace, 1220 Chancellor street; A. R. Raff, 1635 Thompson street; Loos & Dothard, Commercial Trust Building, Philadelphia.

Residences (57), Market street, West Philadelphia. Architect, private plans. Owners, Kenin & Shapiro, Fifty-sixth and Arch streets, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hot water heating, electric lighting, hardwood floors. Plans in progress. Owners will take bids in one week.

Residences (750), Sedgley avenue, L, M, N

and O streets, Philadelphia. Architects, private plans. Owners, Solomon Bros. & Joseph Lupowitz, 263 South Eighth street, Philadelphia. Brick, 2 stories, slag roofs, hot air and steam heating, combination lighting, hardwood floors, hot water heating. Owners ready for sub-bids on 248 houses.

Residence (alts. and add.), Chestnut Hill, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, J. B. Morgan, 235 Chestnut street, Philadelphia. Stone, 2½ stories, consists of additions and general interior alterations, electric lighting, tile work. Plans in progress. Architects will take bids in about one week.

Residences and Garages (5), Chestnut Hill, Philadelphia. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, John Craig, 100 West Nippon street, Philadelphia. Stone, 2 stories, 16x48 feet each, slate roofs, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Owner will soon take bids.

Fraternity House, 3618-3620 Locust street, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Phi Sigma Kappa Fraternity, 3732 Walnut street, Philadelphia. Brick, stone trimmings, 4 stories, 34x75 feet, tile roof, steam heating, electric lighting, tile work, hardwood floors. Plans in progress. Architects will take bids in about three weeks.

Coal Yard, Germantown, Philadelphia. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, Ogden Peel, Bowman and East Cresson streets, Philadelphia. Consists of office building, garage, feed shed and coal pockets, brick and concrete, slate and slag roofs, electric lighting. Plans about completed. Architect will take bids in a few days.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG.
YORK : PA.

Gas Talks For Builders

We use the greatest care in buying what we sell, and you can buy only what we can guarantee.

We could sell gas appliances which do not satisfy us, but we don't. When we sell you one appliance or a dozen, we are, therefore, able to stand back of every statement and promise we make.

Let us co-operate with you. We have ideas that will save you money. Call up our Builders and Operators Division.

Telephones

Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

THE FAIRBANKS CO.

PHILADELPHIA

**VALVES
AND
SCALES**

R. B. WIBLE & SON

**Brick Arches and Angles
Ground and Fitted**

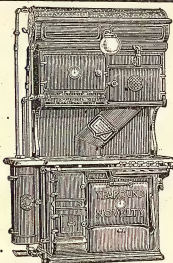
Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"NOVELTY" REMINDERS

"Yearound Novelty"

The Greatest and Most Popular Combination Coal and Gas Range.

Absolutely Complete for the use of Both Fuels.

Four Cook Cooking Holes. Five Gas Cooking Burners.

Compact—Extreme Width (Including Gas Water Heater)
ONLY 49 INCHES.

WRITE FOR "YEAROUND" LITERATURE

Made in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store Building (alts.), 1808 Market street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, J. C. Fuller, 10 South Eighteenth street, Philadelphia. Consists of new bulk windows. Contract awarded to Stacy Reeves & Sons, 2011 Market street.

Store Building, 140-142 North Twelfth st., Philadelphia. Architect, Chas. E. Oelschlager, Harrison Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 36x100 feet, slag roof, metal ceilings, metal lath, steam heating, electric lighting tile work. Contract awarded to P. J. Hurley 1233 Cherry street, Philadelphia.

Warehouse, Front and Pemberton sts., Philadelphia. Architect, Chas. E. Oelschlager, Harrison Building, Philadelphia. Owners, Gallagher, Inc., 810 South Swanson street, Philadelphia. Brick, 3 stories, 95x137 feet, slag roof, elevator. Contract awarded to Daniel Henon, 1425 Ritner street, Philadelphia.

Lead Dust Mill, Nineteenth and Allegheny avenue, Philadelphia. Architect, private plans. Owners, Electric Storage Battery Co., on premises. Brick and steel or corrugated iron, 2 stories, 16x17 feet, corrugated iron roof. Contract awarded to Pomeroy Construction Co., 1609 Ranstead street.

Residence (alt. and add.), and Garage, 6317 Woodbine avenue, \$17,000. Architect, private plans. Owner, Frederick Geiger, 6357 Woodbine avenue, Philadelphia. Stone, 3 stories, general alterations, steam heating, plumbing, tile work, hardwood floors; Garage, 2 stories, 33x22 feet, asphalt slate roof. Contract awarded to Wm. H. Eddleman & Sons, 453 Green Lane, Roxborough, Philadelphia.

Store Building (alts.), 139-141 Market st., Philadelphia. Architects, Guy King & Edgar A. Wightman, 1513 Walnut street. Owners, O. & B. Maguire, 141 Market street, Philadelphia. nBrick, 4 stories, consists of new bulk windows and alterations to first floor, electric lighting (heating reserved). Contract awarded to A. P. Fraim, 319 Market street, Philadelphia.

Church, Fifty-fifth and Wyalusing avenue,

Philadelphia. Architect, Geo. S. Idell, 34 S. Sixteenth street, Philadelphia. Owners, Advent Church of the New Jerusalem, care Swedenborgian Society of Philadelphia, Twenty-second and Chestnut streets, Philadelphia. Stone, 1 story, 35x56 feet, slate roof, steam heating, electric lighting. Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Stable, Thirty-fourth and Lancaster avenue, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Reinforced concrete and brick, 2 stories, metal sash, electric lighting, reinforcing bars. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street.

Professional Office Building, northwest corner of Sixteenth and Walnut streets, \$400,000. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick, terra cotta, limestone and steel, fireproof, 15 stories, 33x117 feet, composition roof, steam heating, electric lighting, marble and tile work, 3 elevators. Contract awarded to Stacy Reeves & Sons 2011 Market street.

Show Rooms and Offices (alts.), Broad and Callowhill streets, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, Studebaker Corporation, on premises. Consists of office partitions and interior alterations. Contract awarded to A. Whitehead, Inc., 1624 Latimer street, Philadelphia.

Learn to advertise. If you feel unequal to the task of preparing the kind of copy you ought to have, let us prepare it for you. Advertising is our business. We are always glad to help men who are honest enough to concede that they do not know it all. And the service won't cost you a penny if you contemplate joining the army of "Guide" advertisers.

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
SUPERSEDES PLASTER FOR WALLS AND CEILINGS

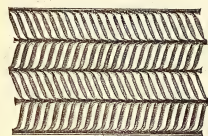
Distributed by

James E. Tague & Co.

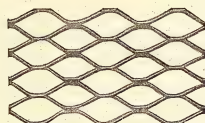
LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts.

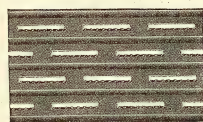
We Pay For This Space



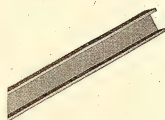
5543 C
Herring Bone Metal Lath



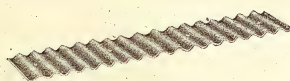
9055 C
"Bilco" Metal Lath



9115 C
"Bilco" Sheet Lath



52004 H
Cold Rolled Channels



9114 L
Wall Ties

TO SERVE YOU

For every problem there is one best method—for every method, one best material. Combine the two and perfect results are assured.

When you want Concrete Floors or Roofs designed, when it is a question of Suspended Ceilings, Stucco Work or Inside Plastering, call on us.

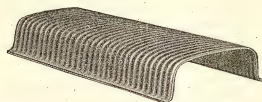
OUR ENGINEERS ARE AT YOUR SERVICE

The only way to estimate just exactly how much our Engineering Department has helped Architects, Contractors, Plasterers and Owners during the past

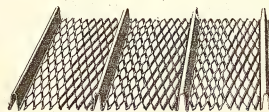
ABSOLUTELY FREE

is by their return inquiries.

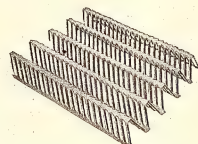
We have designed concrete floors and roofs, porch floors, suspended ceilings, partitions, curtain walls—in fact, every form of light concrete construction.



00001 H
Steel Tile



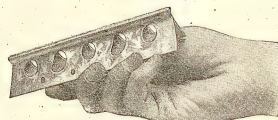
23
Self Sentering



7918 C
Trussit



8005 H
Expanded Metal



14
"Bilco" Corner Bead

Have We Helped
You? Why Not?

Builders Steel Products Co.

PHILADELPHIA

WILKES-BARRE

—WATER-PROOFING MATERIALS—

When writing to advertisers, please mention THE BUILDERS' GUIDE.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 90-17A



Wells - Soundings
Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

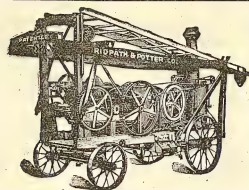
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



FOR SALE CHEAP

A lot of heavy corrugated steel
sheets, 26 in. x 8 ft., and 26 in. x 9 ft.
From the Potts Barns, Merion, Pa.

W. H. STEIGERWALT,
1420 Chestnut Street.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA

Construction News

Town Hall, Borough of Pringle, Pa., \$5,000. Architect, Jas. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Borough of Pringle, Pa. Brick an d frame, 2 stories, 30x40 feet, slate roof, steam heating, electric lighting. Owners taking bids, due November 15th.

Residence, Scranton, Pa., \$25,000. Architect, E. H. Davis, Connell Building, Scranton, Pa. Owner, Samuel Santer, 415 Clay avenue, Scranton, Pa. Brick, 2½ stories, 34x61 feet, tile roof, steam heating, combination lighting, tile and hardwood floors. Architect taking bids due November 15th.

Store and Loft Building, 57 S. Penn avenue, Wilkes-Barre, Pa. Architects, Knapp & Bosworth, 15 S. Franklin st., Wilkes-Barre, Pa. Brick, steel and concrete, 3 stories, 110x42 feet, slag roof, steam heating, electric lighting, concrete floors. Architects ready for bids.

Boiler House, Wilkes-Barre, Pa., \$25,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Wilkes-Barre City Hospital, Wilkes-Barre, Pa. Lowest bidders, Curtis & Co., Wilkes-Barre, Pa.

Residence, Hazleton, Pa., \$40,000. 9 architect, Thomas H. Atherton, Coal Exchange Building, Wilkes-Barre. Owner, David Benjamin, Hazleton, Pa. Hollow tile and brick, 3½ stories, 50x75 feet, slate roof, hot air heating, electric lighting, waterproofing. Plans in progress. Bids in two weeks.

Picture Theatre, West Pittston, Pa., \$14,000. Architect, Thomas H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre. Owner, name withheld. Brick, terra cotta and steel, 1 story, 50x100 feet, stucco, slag roof, steam heating, electric lighting, composition and concrete floors, metal lath. Plans in progress.

Store, Adams avenue, Scranton, Pa., \$5,000. Architect, Henry A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Edward Davidow, Scranton, Pa. Brick, 3 stories, 18x35 feet, slag roof, steam heating, electric lighting. Plans in progress.

Printing Shop, Fairview Lane, Wilkes-Barre, \$3,500. Architect, Otot A. Kleeman, Wilkes-Barre, Pa. Owner, A. McCluskey, Wilkes-Barre, Pa. Brick and steel, 2 stories, 40x32 feet, tin roof, steam heating, electric lighting. Architect ready for bids.

Stores (5), Wilkes-Barre, Pa., \$10,000. Arch-

itect, Thos. H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre. Owners, Gilderslee Estate, Wilkes-Barre, Pa. Brick and hollow tile, 1 story, 75x60 feet, slag roof, electric lighting. Architect taking bids (revised), due November 11th. The following are guring: Lawrence Coil, Shepherd Construction Co., J. Curtis & Co., Charles Watkins & Son, Kehoe & Mowery, I. M. Leach, W. J. Kear, A. D. Thomas, all of Wilkes-Barre, Pa., and L. E. Shovertown, Pa.

Apartment House, Dunmore, Pa. Architect, Frank J. Miller, Peoples Bank Building, Scranton, Pa. Owner, M. Thomas, care architect. Frame and stucco, 2 stories, 27x47 feet, slate Plans in progress.

Residence and Garage, Waverley, Pa., \$90,000. Architect, R. W. Snyder, Title Building, Scranton, Pa. Owner, C. A. Belin, Scranton, Pa. Stone, hollow tile and stucco, 2½ stories, 112x160 feet, shingle roof, steam heating, electric lighting, tile, hardwood and marble and composition floors, elevator, wire lath, vacuum cleaner system, waterproofing, metal casements, steel sash, enameled bricks. Architect taking bids, due November 8th. The following are figuring: Washburn Williams, Scranton, Pa. Hower, Stender Co., Scranton, Pa.; John Curtis, Wilkes-Barre, Pa.; Frank N. Goble, 1 E. Forty-second street, New York City.

Furniture Store (alt. and add.), 310 Lackawanna avenue, Scranton. Architect, A. J. Ward, Republican Building, Scranton, Pa. Owners, The Economy Furniture Co., Scranton, Pa. Terra cotta and brick, 2 additional stories, 50x100 feet, slag roof, steam heating, electric lighting, metal ceilings. Architect has received bids.

Stores and Apartments, West Ross street, Wilkes-Barre, Pa., \$12,000. Architect, O. A. Kleeman, Wilkes-Barre, Pa. Owners, South Side Realty Co., Wilkes-Barre, Pa. Brick, terra cotta, cut stone and steel, 4 stories, 40x140 feet, slag roof, steam heating, electric lighting, tile and hardwood floors, plaster board, metal lath. Plans in progress. Ready for bids in ten days.

Elks Club (alt.), North River street, Wilkes-Barre, Pa. Architect, O. A. Kleeman, Wilkes-Barre, Pa. Owners, B. P. O. E., care James Evens, Secretary, Wilkes-Barre, Pa. Four new bowling alleys, dumb waiter, electric xtures, and ventilating fan, waterproofing, plaster and compo board. Plans in progress.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

ALL FLOORS TREATED WITH



SAUMS



PRESERVATIVE



*Guy Lowell, Architect
Boston, Mass.*

Evans Memorial Wing of the Boston Art Museum

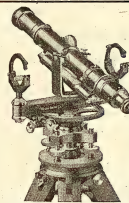
Floors in this building are guaranteed against rotting, splintering, checking and warping and to show no wear or traffic marks after cleaning.

**Saums Preservative is applied once-only
and lasts indefinitely**

FURNISHED, APPLIED AND GUARANTEED BY

THE SAGENDORPH COMPANY, Inc.

N. E. COR. 24th and WALNUT STREETS : PHILADELPHIA, PA.



MAKE A RIGHT START

on your new Building Operation! Don't under estimate the importance of getting correct lines and levels quickly and accurately. The

Sterling Convertible Builders' Level

has been designed by us expressly for Architects, Building Contractors, &c., and has exclusive time-saving features worth knowing about! Compare it with others and CONVINCE YOURSELF before buying. Our Free Examination Offer enables you to do this at our expense. Write TO-DAY for Folder No. 4g and Special Offer.

All makes Transits and Levels repaired, bought, sold, and exchanged.

WARREN-KNIGHT COMPANY

136 N. TWELFTH STREET, PHILADELPHIA

Ice Storage, Retreat, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, Luzerne Co., Poor District, Wilkes-Barre, Pa. Frame, 1 story, 50x50 feet, asphalt shingles. Ready for bids.

Residence (alt. and add.), Haverford, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, Wilfred Lewis, Haverford, Pa. Stone, 2½ stories, shingle roof, tile work, oak floors (plumbing, heating and electric work reserved). Architect taking bids, due November 11th. The following are guring: E. E. Hollenback, Fifteenth and Race streets; Stokes Bros., 6723 Sansgrace street; Thomas C. Trafford, 1613 Sansom street; J. Sims Wilson Co., 1125 Brown street; J. Morton Warner, Bryn Mawr, Pa. High School, Lebanon, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, care John Selzer, chairman building committee, Lebanon, Pa. Brick, 2½ stories, 180x180 feet, tile roof, dampproofing, slate blackboards, tile and marble work, concrete floors (heating, plumbing and electric work separate bids). Lowest bidder, P. W. Finn, Altoona, Pa., \$194,300.

Bottling House, Norristown, Pa., \$50,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Adam Scheidt Brewing Co., Norristown, Pa. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 54x130 feet, slag roof, electric lighting. Architects have received bids.

Residence, Hazleton, Pa., \$9,000. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, James Lee Pardee, Hazleton, Pa. Hollow tile and plaster, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Architect taking bids, due November 18th. The following are guring: Eugene Tourison, 1001 Chestnut street, Philadelphia, and S. Y. Frederick & Son, Justus Schaub, George E. Wooding, all of Hazleton, Pa.

Power House, Dorranceton, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., Hazleton, Pa. Brick and concrete, 1 story, composition roof. Architects will submit all contracts.

Residence, Radnor, Pa. Architect, Louis Rush, 130 South Fifteenth street, Philadelphia. Owner, C. McCadwalaer, Radnor, Pa. Hollow tile and plaster, 2½ stories, 42x56 feet, slate roof, hot water heating, electric lighting. Revised plans in progress. Architect will take bids in a few days.

Bungalow, Lansdowne, Pa. Architect, H. M. Pedrick, P. O. Building, Darby, Pa. Owners, name withheld. Hollow tile and plaster, 1½ stories, 50x35 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Garage, Reading, Pa. Architect, William A. Fink, 426 Franklin street, Reading, Pa. Owners, Ensslen Bros., Reading, Pa. Brick, 2 stories, 20x46 feet Carey's roof, steam heating, electric lighting, concrete floors. Plans in progress.

Residence, Sinking Springs, Pa., \$4,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, E. R. Holtzman,

Sinking Springs, Pa. Brick and cement blocks, 2½ stories, 32x34 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Garage, Reading, Pa. Architect, William A. Fink, 426 Franklin street, Reading, Pa. Owners, Arcade Garage, William Young, Reading, Pa. Brick, steel and terra cotta, 3 stories, 68x100 feet, tin roof, steam heating, electric lighting, reinforced concrete floors, dampproofing, elevator, gasoline storage system. Plans in progress.

Farm Buildings, Bryn Mawr, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Edwin L. Blabon, Bryn Mawr, Pa. Stone, frame and plaster, 1 and 2 stories. Consists of stable, 33x68 feet; garage and chauffeur's house, 30x95 feet; gate lodge, 28x48 feet, and several farm buildings, tile and shingle roofs, cork bricks, metal lath, electric lighting (plumbing and heating separate bids). Architects taking revised bids. William R. Dougherty, 1610 Sansom street, Philadelphia, and Gray Bros., Rosemont, Pa., are figuring.

Residence, Glenside Highlands, Pa. Architect, Oliver Randolph Parry, 1631 Chestnut street, Philadelphia. Owner, J. Thompson Riday, Jr., 735 Arch street, Philadelphia. Frame and rough cast, 2½ stories, shingle roof, steam or hot water heating, electric lighting. Architect taking bids, due November 15th. The following are figuring: Alex. Thompson, Linford Sperry, M. E. Hahser, all of Glenside, Pa.; Frank E. Heston, Churchville, Pa.; George W. Stewart, Trevoise, Pa.; C. M. Hill, Roslyn, Pa.; W. R. Beisel, Hatfield, Pa.; Angelo Direnzo, Bristol, Pa.

Residence, Rosemont, Pa. Architect, Alexander M. Adams, 1012 Walnut street, Philadelphia. Owner, Alba B. Johnson, Jr., Rosemont, Pa. Stone, hollow tile and plaster, 2½ stories, 30x60 feet, slate roof, steam heating, electric lighting, oak floors, tile work. Plans in progress. Architect will take bids in about one week.

Residences (5), Norristown, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut st., Philadelphia. Owner's name withheld. Brick, stone and plaster, 2½ stories, 30x40 feet each, shingle roofs, hot water heating, electric lighting. Plans in progress.

Pennsylvania Contracts Awarded

Residence (alt. and add.), Wilkes-Barre, Pa. Architects, Bosworth & Knapp, Wilkes-Barre, Pa. Owner, Dr. S. P. Mengel, Wilkes-Barre, Pa. Brick, stone and stucco, 1 story, 18x24 feet, tin roof, steam heating, electric lighting, hardwood floors, inlaid slate balcony floor, reinforced concrete porch, tile work. Contract awarded to W. B. Richards, Wilkes-Barre, Pa.

Bungalow, Lake Carey, Pa., \$12,000. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owner, J. Kilcoun, care Architect. Stone and frame, 1½ stories, 44x38 feet, tile roof, steam heating, electric lighting, tile and hardwood floors (heating, plumbing

and electric work reserved). Contract awarded to Whipple Bros., Laceyville, Pa.

Residence, 200 Wheeler avenue, Scranton, Pa. Architect, F. J. Miller, Peoples Bank Building, Scranton, Pa. Owner, J. C. Fritts, 234 Wheeler avenue, Scranton, Pa. Frame, 2½ stories, 30x48 feet, asbestos roof, steam heating, combination lighting. Contract awarded to Peck & Carmondy, Dunmore, Pa.

Masonic Temple, Wilkes-Barre, Pa., \$85,000. Architects, Sturdevant & Faggi, Coal Exchange Building, Wilkes-Barre. Owners, Masonic Temple, H. N. Rust, chairman building committee, Masonic Temple, Wilkes-Barre, Pa. Brick, terra cotta and steel, fireproof, 5 stories, 54x120 feet, marble and tile work, slag roof, concrete fireproofing, dampproofing, waterproofing, kalamein doors, composition floors, safety treads, vacuum cleaning, electric elevator, ornamental iron work (direct and indirect steam heating, electric work and plumbing separate bids). Contract awarded to Shepherd Construction Co., Wilkes-Barre, Pa.

Stable, Glenside, Pa. Architects, Hencock Hokanson, Bailey Building, Philadelphia. Owner, A. R. Nicholson, Wyncote, Pa. Hollow tile and stucco, 26x36 feet, asphalt shingles, cement floors. Contract awarded to W. John Stevens, Wyncote, Pa.

Foundry, Yardley, Pa. Architects, Pouckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y. Brick, stone and steel, reproof, 1 story, 111x75 feet, slag roof, elevator, steel sash (steam heating, electric work and sprinklers reserved). Contract awarded to Charles T. Eastburn, Yardley, Pa.

Residence, Moylan, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, H. A. Heulings, Moylan, Pa. Hollow tile and plaster, 2½ stories, 53x42 feet, Spanish tile roof, electric lighting, hot water heating oak floors, tile work. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Residence (alt. and add.), Jenkintown, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Ellis D. Williams, Drexel Building, Philadelphia. Stone and frame, 2½ stories, slate roof, oak floors, tile work, metal lath (heating, plumbing and electric work reserved). Contract awarded to W. John Stevens, Wyncote, Pa.

Residence (alts.), Haverford, Pa. Architects, Brookie & Hastings, 1713 Sansom street, Philadelphia. Owner, Mrs. Henry B. Robb, Haverford, Pa. Stone and frame, 2½ stories, consists of interior alterations. Contract awarded to William H. Eddleman & Son, 453 Green lane, Roxborough, Philadelphia.

Warehouse and Show Room, Reading, Pa. Architect, George L. Herhard, 519 Penn street, Reading, Pa. Owner, George D. Lessig, Third and Spruce streets, Reading, Pa. Brick, 3 stories, 80x30 feet, slag roof, steam heating, electric lighting, elevator, gasoline pump and storage system. Contract awarded to Daniel H. Hunter, 828 North Eleventh street, Reading, Pa.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

The chap who bags the glittering prize
Is the fellow who learns to advertise.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

NEW JERSEY**Construction News**

Warehouse, Trenton, N. J. Engineers, Samuel M. Green Co., Springfield, Mass. Owner, Ajax-Grieb Rubber Co., Trenton, N. J. Brick, concrete and steel, 1 story. Plans in progress.

Factory (add.), Trenton, N. J., \$8,000. Architect, private plans. Owners, John E. Thorp's Sons Co., Trenton, N. J. Brick and steel, 1 story, 63x144 feet, slag roof, steam heating, electric lighting, metal sash. Owners are subletting all contracts.

Residence (remodeling), Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Edward S. Woodward, Moorestown, N. J. Frame, 2½ stories, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Bungalows (3), Atlantic City, N. J. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Gustav Mueller, Pitman, N. J. Brick and frame, 1½ stories, slate roofs, hot water heating, electric lighting. Plans in progress. Owner will take sub-bids.

Bungalow, Pine Valley, N. J. Architect, Hugh Tallant, 345 Fifth avenue, New York City. Owner, Thomas E. White, Stephen Girard Building, Philadelphia. Brick, frame and plaster, 1½ stories, 55x65 feet, shingle roof, steam heating, electric lighting, tile work, metal lath. Revised plans in progress.

Residences (2), Moorestown, N. J. Architect, Arnold H. Moses, 136 South Fourth st., Philadelphia. Owner, name withheld. Brick, stone and frame, 2½ stories, shingle roofs, hot water heating, electric lighting. Plans in progress.

Factory (add.), 32 and 34 Penn street, Camden, N. J., \$5,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Strandwitz & Scott on premises. Brick, 1 story, 40x45 feet, slag roof, steam heating, electric lighting. Architects taking bids, due November 10th. The following are figuring: Frank Turner, 828 Broadway, and William Wrifford, both of Camden, N. J., and E. Geschke, Collingswood, N. J.

Bungalow, Merchantville, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, William Wagner, Merchantville, N. J. Concrete and frame, 1½ stories, 52x33 feet, shingle roof, hardwood floors, hot air heating, electric lighting. Architect taking bids, due November 10th. The following are figuring: Fred Longe, Audubon, N. J.; Martin James, Merchantville, N. J.; William Conge-

zer, Haddon Heights, N. J.; F. Fries Co., Haddon Heights, N. J.; W. H. Lawrence & Son, Westville, N. J.; Joseph B. Rowen, Moorestown, N. J.

Residences (4), 1200 Vanhook street, Camden, N. J. Architect, private plans. Owner, A. E. Eichfeldt, 1700 Mt. Ephraim avenue, Camden. Brick, 2 stories, 16x42 feet, slag roof, hot air heating, gas lighting. Owner will sub-let all contracts.

Residence, Haddonfield, N. J., \$6,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Samuel Gass, Haddonfield, N. J. Hollow tile and stucco, 2½ stories, 40x30 feet, shingle roof, hot water heating, electric lighting, hardwood and tile floors, metal lath. Architects taking bids, due November 18th. William S. Capern, Haddonfield, N. J., is figuring.

School, Paulsboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Paulsboro, N. J. Brick, limestone trimmings, 2 stories, 30x100 feet, slate roof, metal lath, kalamein doors, slate blackboards, dampproofing, concrete floors, reinforcing bars, safety treads (heating, plumbing and electric work separate bids). Revised plans about completed. Owners will advertise for bids in ten days.

Garage and Greenhouse, Riverton, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, F. S. Groves, Jr., Riverton, N. J. Hollow tile and plaster, 2 stories, 25x25 feet, slate roof, hot water heating, electric lighting, gasoline pump and storage system. Architect taking bids, due November 15th. The following are figuring: Henry L. Brown, 1714 Sanson street, Philadelphia; Joseph Kloster, Beverly, N. J.; S. L. Maines, Moorestown, N. J.; Louis F. Lowden, Riverton, N. J.; George W. Shaner & Son, Palmyra, N. J.

Factory, Trenton, N. J. Architect, Samuel M. Green Co., Springfield, Mass. Owners, Ajax-Grieb Rubber Co., Trenton, N. J. Brick, 2 stories, 90x60x87 feet, slag roof, steam heating, electric lighting. Owners ready for bids.

Apartments (alt. and add.), Hanover street, Trenton, N. J., \$4,500. Architects, William W. Slack & Son, American Mechanics' Building, Trenton. Owner, Samuel W. Pryor, Trenton, N. J. Brick, 3 stories, 28x47 feet, slag roof, steam heating, electric lighting, metal lath. Architects ready for bids.

(Continued on page 726.)



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.**BUILDING CONSTRUCTION**

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

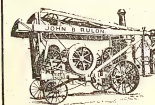
Tin and Slag
Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1855

**WELLS DRILLED****Test Borings**

Ask for Prices

JOHN B. RULON

1355 Colwyn Street

Philadelphia, Pa.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building

Philadelphia, Pa.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd President
Joseph M. DeLone Vice-President
Louis S. DeLone Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon Editor

PHILADELPHIA, PA., NOVEMBER 10, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1857)

OFFICERS FOR 1915

President *R. Clifton Sturgis, Boston
First Vice-President . . . *Thomas R. Kimball, Omaha, Neb.
Second Vice-President . . D. Knickerbacker Boyd, Phila.
Secretary *Burt L. Fenner, New York
Treasurer *J. L. Maurar, St. Louis
Auditors . . . { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year.—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years.—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years.—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.
*Executive Committee.

PHILADELPHIA CHAPTER A. I. of A.

President M. B. Medary
First Vice-President J. P. B. Sinkler
Second Vice-President A. H. Brockie
Secretary Horace Wells Sellers
Recorder Arthur I. Meigs
Treasurer George I. Lovatt
Executive Committee—John Hall Rankin,
Walter H. Thomas, Charles Z. Klauder.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

All sorts of jokes have been made at the expense of the bungalow. With the professional humorist the bungalow has long been a favorite theme. Now comes along one, W. Livingston Larned, in "The Building Age," with "The Bungalow Builder's Dictionary," consisting of, he tells us, "some pertinent definitions not found in Webster's, but likely to be appreciated by the rural dweller." Con there over. You'll find them animated by a wholesome and cheerful sense of humor:

"Location.—Site for a home, which looks all right before you build, but never does afterward.

Foundation Walls.—Queer stone device surrounding cavity in ground, and used to hold rain water.

Field Stone.—Pieces of a hard substance found in abundance on property belonging to other people. No two shaped to fit exactly.

Surrounding.—Adjoining lots. Where other buildings are usually erected a few minutes after your own bungalow is completed.

Outlook.—Something to show friends when they motor out for a little afternoon visit. Any open stretch between other houses will do.

Southern Exposure.—Familiar trade name. Whenever sun happens to hit at any time.

Servant's Quarters.—Room which turns out to be the most desirable in the Bungalow.

Drainage.—Gully running through middle of flower beds.

Veranda.—A long, open place, costing more to furnish "artistically" than the banquet hall at the White House. When screened . . . penitentiary for mosquitos.

Laundry.—Where laundress would have worked had you contrived to get one.

Butler's Pantry.—Convenient place to put broom, dust pan, ice cream dasher and box of empty Mason jars.

Pantry.—(See Roaches.)

Colonial Fireplace.—An affair done in white enamel and seldom used, for fear smoke will soil it. Generally erected in Louis XIV Room.

Jim's Room.—Disorderly, ill-kept, dusty hovel, littered with tobacco ashes and newspapers. Referred to with sentimental endearment to visitors by Wife. . . . called everything and anything else to Jim DIRECT.

Book Case (Built in).—Large, roomy space occupied by one set of installment Shakespeare, a broken set of Dickens, Poe's works, Boccaccio and two or three Chambers.

Screens.—Sash Swiss-cheese. Something invented to keep mosquitos from escaping from house.

Open Fireplace.—Why the bungalow is generally filled with smoke in winter.

Mission Furniture.—Tables, chairs, etc., of uncomfortable design, stained in a careless manner and finished by father during odd Saturday afternoons. Bought or built principally because of lure of the name.

Living Room.—The one room in the bungalow beloved of all. Was right from the start and remains so. Where host carelessly says to friend: "Oh, just throw your things off and make yourself at home. We refuse to look on you as 'company.'" "

Guest Bedroom.—The one room never QUITE ready for occupancy. Place where rain on roof sounds loudest.

Roof.—That part of a bungalow which is invariably in need of repair. Made leaks possible.

Sideboard.—Professional show-room for all cut glass received by bride.

Ice Box.—Stuffy little box in which there is room for one of two things. . . . the ice or edibles.

Window Seat.—Ingenious device for creating backaches. Used extensively for tete-a-tetes during house parties. That portion of room always filled with bird seed.

Hemlock.—Fancy name given any unknown wood that has sweet-smelling odor.

Forty Feet Frontage.—Thirty-two if measured with a ruler.

Lightning Rod.—Bungalow stick-pin.

Hot-Air Heating System.—Very often comes from the agent's mouth.

Back Porch.—The Ice Man's sun parlor.

Side-Door Buzzer.—Nine times out of ten a dumb bee.

Garage.—Pigeon-hole for a Ford.

Garden.—Where the scallions and two ears of corn were grown.

Sodding.—Three spears of pale green grass stuck in chunk of dirt. Grows beautifully if left where originally found.

Landscape Gardening.—Three green tubs filled with geraniums and a rustic bench.

Dove Cote.—Where they'd rather NOT live.

Bird House.—Hiding place for Willie's "Diamond Dick, Junior."

Awnings.—Positive, material proof that light and rain will wash the color out of anything.

Fine Old Shade Tree.—What originally stood squarely in the middle of your lot before you built."

* * *

And still folks will wonder why the average bungalow, bungled so beautifully from site to final layout, is called a bungle-ow.

* * *

Speaking of freak building, the "New York Sun" had an article not long since, dealing with bungled and fantastic structures in England, that is interesting enough to dip into here and there.

"There are many strange structures found in various sections of England which bear a most interesting history," says the "Sun,"

"come of them appearing to be more than they really are. In fact, many of them are nothing more than freaks, and a close inspection by one with even a little knowledge of architecture will show the deceit, said an architect lately returned from a trip abroad.

"A family in search of social position, for example, builds a place along the lines of the great castles of Richard the Third's time. The estate is guarded as if the King lived there, but this is for the purpose of preventing the deception being discovered. As a rule, such buildings are a series of hollow arches and domes and turrets and spires around a comparatively small dwelling.

"Not far from Aylesburg is one of those fabric castles. It is a reproduction of a great mediaeval stronghold. From the road it looks to be just what the owner had in mind when he built it, but if one gets close to the buildings it will be found that the walls are far from massive and the windows too large for the Mediaeval home it resembles at a distance.

"There are freaks of another kind in England. There is a house near Ilford which is a freak if there ever was one. It is a mausoleum used as a dwelling and locally known as the castle. Some years ago a titled Englishman discovered the family hadn't a proper mausoleum so he tabled down his house and erected on its site a big mausoleum. Below the structure he had built a number of catacombs. Over this was the chapel in which funeral services were to be held and over this apartments for mourners were provided.

"The builder did not take the Bishop of the district into his confidence when he started the structure. He didn't see the reason for it. Not until the structure was finished did he learn the value of the Bishop in such matters. The structure would have to be consecrated and the Bishop was the only one who could do this. When he went to the Bishop he refused to consecrate the mausoleum. Finally the apartment provided for the mourners over the chapel was rented. There are only four rooms inhabitable in the structure. These are reached from the chapel through a well-like spiral staircase which extends to the roof. The spire is one of the features of the structure. The building stands against the hillside as a monument to the vanity and folly of the builder.

* * *

"Near Carshalton is a massive gateway of wrought iron and stone something like 240 feet wide. Though it has stood for many years its value now is placed at \$25,000. From this can be gleaned the original cost. The gateway was to lead to a great mansion that was never built. Financial reverses prevented it. The mansion was to be built for a great London merchant. He had a title, but apparently wanted a greater one, and the building of a house that would be the gossip of all England was the means he selected to get it.

"His attention was first concentrated on the gateway. As this would give the first glimpse of the estate to visitors he wanted to convey at the beginning the impression of greatness. So for months he and his archi-

ects studied gateways in search for the most impressive. The gateway was built first. But the beginning was the end of this great undertaking. The gateway had been finished but a short time when work on the estate was stopped. Reports from London said that the master was in trouble. These reports proved correct, for the merchant was in bad straits and the building of his great country home had to be given up.

"The gateway is one of the sights of the place and is usually referred to as the 'Lion of Carshalton.'"

* * *

So, there are bungalows known to architecture other than the much-maligned bungalow.

* * *

We have received from the Secretary of the National Association of Mixer Manufacturers the following announcement which will be found of great interest to building contractors and all others engaged in the execution of concrete work:

"Up to the present time there has never been any standard method of rating batch mixers. Some mixer manufacturers rate their machines by their capacity in mixed concrete, while other manufacturers rate them by their capacity in loose unmixed material. It is a well-known fact that a mixer having a batch capacity of 8-9 cubic feet of unmixed sand, stone and cement will hold only about 6 cubic feet of mixed concrete per batch. For this reason the term 3, 4 or 9-foot mixer has never had any real definite significance.

"The National Association of Mixer Manufacturers, at their August meeting, took steps toward remedying this difficulty by adopting a resolution providing for the uniform rating of batch mixers. This resolution provides that the members of the association in future catalogs and circulars shall specify the capacity of their mixers as 'size of wet mixed batch,' and not otherwise. The resolution further provides that the dry unmixed capacity of a mixer may be approximated as one and half (1½) times the wet mixed batch, assuming the use of cement, sand and one and one-half (1½) inch crushed stone, with 1½ gallons of water per cubic foot of mixed concrete. The members of the association further agreed not to use the dry batch rating in their correspondence, advertising, etc., unless the standard, wet batch rating were used also and with equal prominence.

"We feel that the step we have taken is a very desirable one—one that will prove beneficial to all contractors, mixer manufacturers and everyone, in fact, connected with the concrete and cement industry. A contractor can now arrive at a real comparison between mixers—not only in price, but in capacity. This would have been much more difficult without a standard rating."

* * *

This subject of standardization seems to be a living issue, just now, in all lines of human endeavor.

Don't expect outsiders to give you a big rating on a one-inch space.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 29, 1915.—Sealed proposals will be opened in this office at 3 P. M., December 10, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at Greenwich, Conn. One-story-and-basement building, 8,550 square feet ground area; partly fireproof construction; brick facing with stone trimmings; composition roof. Drawings and specifications may be obtained from the custodian of site at Greenwich, Conn., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., November 8, 1915.—Sealed proposals will be received in this office until 3 o'clock P. M. on December 18, 1915, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, lift, and approaches), of the United States post office at Middletown, Ohio. The building is two stories and basement and has a ground area of approximately 6,291 square feet. Fireproof construction, stone facing, and composition roof. Drawings and specifications may be obtained from the custodian of site at Middletown, Ohio, or at this office, at the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

WHY HE DIDN'T SECURE CONTRACTS.

An Eastern contractor, after bidding on about a dozen jobs this season without landing a contract, began to look around for the reason for his continued ill-luck. He finally, half jestingly, ascribed it to his cost-keeping system. He has a very excellent system and has accumulated a large amount of valuable data. He consequently has a definite idea of what it will cost him to do certain work. He has used this knowledge in preparing his estimates and there has been no guess work in his bids. On several jobs he lost out by a narrow margin; but on others the contracts went at prices that indicated the low bidders had no conception of the cost of the work. The Eastern contractor, thanks to his experience and cost-keeping system, had a pretty good idea of what the work could be done for at a reasonable profit; the other fellows didn't, and as a result they now have something to worry about.—"Engineering and Contracting."

NEW JERSEY

Contracts Awarded

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



NEW JERSEY CONSTRUCTION NEWS.

(Continued from page 723.)

Residences (4), 46 Bryn Mawr avenue, Trenton, N. J., \$10,000. Architect, private plans. Owners, Case & Sechrest, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 14x32 feet, slate and tin roof. Owners are sub-letting all contracts.

Residences (3), Columbus avenue, Trenton, N. J., \$9,000. Architect, private plans. Owner, Frank Russo, 220 Butler street, Trenton, N. J. Brick, 2½ stories, 14x31 feet, slate and tin roof, hot air heating, gas and electric lighting. Owner is taking sub-bids.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—“Municipal Engineering.”

The man who is “going to do some advertising next year—maybe” gets his advertising in the end in the shape of an obituary.

Don't lose your grip. Noah was 600 years old before he knew how to build an ark.

High School, Wildwood, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care W. C. Todd, secretary, Wildwood, N. J. Brick, concrete and steel, 2 stories, 138x156 feet, asbestos roof, concrete fireproof floors (heating, plumbing and electric work separate bids). Contract awarded to Richman Const. Co., Moorestown, N. J.

Garage, 530 Market street, Camden, N. J. Architect, private plans. Owner, Clarence Henniger, 528 Market street, Philadelphia. Brick, 1 story, 20x66 feet, rubberoid roof, steam heating, electric lighting, concrete floors. Contract awarded to Charles Johnson, 703 North Second street, Camden.

Residence, 1209 Chase street, Camden, N. J. Architect, private plans. Owner, Thomas Bart, Camden, N. J. Brick, 2 stories, 16x50 feet, slag roof, hot air heating. Contract awarded to Emil Schulke, 1183 Jackson street, Camden.

Bungalow, Pine Valley, N. J. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, Dr. Hubley R. Owen, 2046 Pine street, Philadelphia. Frame, 1½ stories, 20x28 feet, shingle roof, hot air heating. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

Miscellaneous Construction News

Hospital (add.), Farnhurst, Del., \$60,000. Architect, Leon Wilde Crawford, Odd Fellows Temple, Wilmington, Del. Owners, State of Delaware, Dover, Del. Brick, 3 stories, slate roof, steam heating, electric lighting. Plans completed. Owners will advertise for bids in about ten days.

Garage, Seventh and French streets, Wilmington, Del. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner, Dr. S. L. McKee, Wilmington, Del. Brick, 1½ stories, 53x170 feet, slag roof, steam heating, electric lighting, concrete floors. Plans in progress.

Academy (alts.), Wilmington, Del. Architect, Roscoe C. Tindall, Equitable Building, Building, Wilmington. Owners, Ursuline Academy, Wilmington, Del. Consists of interior alterations, electric wiring and plumbing. Plans in progress.

Double Residence, Maple avenue, Trenton, N. J., \$5,000. Architect, William P. Ende-brook, American Mechanics' Building, Trenton, N. J. Owner, Mrs. Anna J. Barnhart, Trenton, N. J. Brick, 2½ stories, 38x45 feet, slate and tin roof, hot water heating, electric lighting. Contract awarded to John J. Barnhart, Trenton, N. J.

Residences (2), South Broad street, Trenton, N. J., \$4,000. Architect, private plans. Owner, Fred T. Walters, Trenton, N. J. Frame, 2½ stories, 24x40 feet, shingle roof, hot water heating, gas and electric lighting. Contract awarded to Thomas J. Corbett, Trenton, N. J.

Residence, Dean avenue, Trenton, N. J., \$8,000. Architect, private plans. Owner, Albert Numbers, 1206 West State street, Trenton, N. J. Brick, 2½ stories, 26x38 feet, slate and tin roof. Contract awarded to Claud N. Dechis, Trenton, N. J.

Factory, Taylor and Webster streets, Trenton, N. J., \$12,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owners, The Joseph Stokes Rubber Co., Trenton, N. J. Brick and steel and frame, 2 stories, 100x95 feet, slag roof (heating and lighting reserved), concrete floors. Contract awarded to Scott & Day, Trenton, N. J.

Office Building (add.), Wilmington, Del. Architect, private plans. Owners, Dupont Powder Co., Wilmington, Del. Brick, terra cotta and steel, fireproof, 12 stories, composition roof, steam heating, electric lighting, elevators. Plans in progress. Owners will probably sub-let all contracts.

Laboratory and Shop Buildings, Columbus, Ohio. Architect, Joseph N. Bradford, Columbus, Ohio. Owners, Ohio State University, Columbus, Ohio. Brick, steel and concrete. Laboratory, 4 stories, 45x100 feet; shop buildings, 2 stories, 250x183 feet, asbestos roofs, fan system of steam heating, electric lighting dampproofing, metal lath, metal doors, iron stairs. Owners taking bids, due November 15th. Henry L. Brown, 1714 Sansom street, and James H. Wells, Heed Building, Philadelphia, are figuring.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Wilson & Weller Co. (O), York road and Ruscomb street. Cost, \$12,400. Five dwellings, brick, 2 stories, 16x57 feet, Fishers lane and Camac street.

Louis Walther Mfg. Co. (O), Indiana and A street. M. Ward Easby (C), 1420 Chestnut st. Cost, \$56,000. Manufacturing building, brick, 3 stories, 224x62 feet, Torresdale avenue and N street.

Chas. M. Green (O), 5458 North Fifth st. Cost, \$30,200. Fifteen dwellings, brick and stone, 2 stories, 14x34 feet, American and Olney streets.

S. Ludowa (O), Meilnes and Orthodox sts. A. H. Nagorski (C), 2416 Orthodox st. Cost, \$6,500. Store building, brick, 2 stories, 20x90 feet, Orthodox and Cambridge streets.

Board of Education (O), Land Title Building. Melody & Keating (C), 1218 Chestnut st. Cost, \$40,440. School, brick, 2 stories, 92x43 feet, Bustleton pike and Wash road.

H. B. Boorse (O), 7118-20 Rising Sun lane. Cost, \$8,500. Four dwellings, brick and stone, 2 stories, 16x37 feet, 822-24 Friendship street and 7118-20 Rising Sun lane.

Wm. Schmidt (O), 4936 North Fairhill st.

Cost, \$2,800. Dwelling, brick, 3 stories, 16x42 feet, Sentner and G streets.

A. Gendaszek (O), Cambria and Thopson streets. Cost, \$3,000. Dwelling, 2 stories, 20x57 feet. 2700 E. Birch street.

Jas. Martin (O), 237 W. Durof st. John Craig (C), 100 Nippon st. Cost, \$5,000. Two dwellings, stone and brick, 2 stories, 16x41 feet. Duval and McCallum streets.

Stafford & Co. (O), Krams and Manayunk ave. Wm. H. Eidleman & Son (C), 453 Green lane, Roxborough. Cost, \$500. Garage, Silverwood and Leverington streets.

Martin Dombrowski (O), 4500 Almond st. Lewis Ahlers (C), 4433 Salmon st. Cost, \$3,200. Two dwellings, brick, 2 stories, 14x40 feet, 4507-09 Almond street.

Fox Chase Presbyterian Church (O), Fox Chase, Philadelphia. Jos. Ashby (O), Fox Chase, Philadelphia. Cost, \$5,000. Sunday school, stone, 2 stories, 40x55 feet, Pike and Borchert streets.

H. W. Lebb (O), 1209 Race st. D. Henwood (C), 1509 Wood st. Cost, \$9,865. Two stores, stone, 2 stories, 25x54 feet, 305-9 North Eleventh street.

U. G. I. Co. (O), Passyunk and Schuylkill avenues. Cost, \$1,200. Manufacturing building, concrete and steel, 1 story, 30x57 feet.

Jos. Kraus (O), 3129 North Fifteenth st. D. Wittenberg (C), Holmes, Del. Co., Pa. Cost, \$17,200. Six dwellings, brick, 2 stories, 2420-26 North Twenty-seventh street and Fifth and Lindley avenue.

J. Waradas (O), 4555 Melrose st. Charles Poeri (C), 4857 Tacony street. Cost, \$1,900. Dwelling, stone and brick, 2 stories, 16x86 feet, 4764 Stiles street.

Fox Chase M. E. Church (O), Fox Chase, Philadelphia. T. S. McVaugh (C), 7243 Rising Sun lane. Cost, \$450. Church, Tillman and Loney streets.

A. Jamison Son (O), Boyer and Woodlawn streets. Wm. J. Cowell (C), 943 E. Cheltenham avenue. Cost, \$550. Shop, Musgrave and Cheltenham streets.

Dr. Jameson (O), 6155 Oxford street. W. Percival Johnson (C), 4039 Lancaster ave. Cost, \$700. Garage, 6155 Oxford street.

Henry Reed (O), 6128 Oxford street. W. Percival Johnson (C), 4039 Lancaster ave. Cost, \$500. Garage, 6128 Oxford street.

Miss N. Brady, trustee, 5727 Woodland ave. D. F. Wholey (C), 1109 Indiana ave. Cost, \$600. Dwelling, 5727 Woodland avenue.

Harry Lewistritz (O), 2308 South Seventh st. H. Wilson (O), 727 Reed street. Cost, \$1,00. Store, 2309 Benish street.

Edw. C. Dale (O), 1215 Spruce st. John D. Nevell (C), 1709 Sansom street. Cost, \$650. Dwelling, 1215 Spruce street.

Jos. E. O'Neill (O), 2145 Catherine street. Alex. Morrison (C), 2153 Webster street. Cost, \$3,700. Freight house.

Zeiger & Sons (O), 1120 E. Washington lane. Cost, \$1,500. Hot house, 1120 East Washington lane.

P. C. Tomson Co. (O), 25 Washington ave. The Wicker Boiler Co. (C), Saginaw, Mich. Cost, \$500. Boiler room, Delaware avenue and Washington ave.

Dr. Chas. S. Turnbull (O), 1935 Chestnut st. J. Frank Boyer P. & H. Co. (C), Norris-town, Pa. Cost, \$1,200. Heating system, dwelling, 1935 Chestnut street.

Fred Geiger (O), 6357 Woodbine avenue. Wm. H. Baddeley (C), 453 Green lane. Cost, \$1,700. Dwelling and garage, 6357 Woodbine avenue.

J. Grass Wood Turning Co. (O), Second and Quarry streets. Koelle-Speth Co. (C), Twenty-sixth and Oxford streets. Cost, \$1,250. Factory, Second and Quarry streets.

T. T. Dunn (O), 2031 Ellsworth street. Geo. C. Lyon (C), 631 South Forty-second street. Cost, \$1,000. Dwelling, 2031 Ellsworth street. Ford & Keig Co. (O), 27 North Seventh street. Thos. Little & Sons (C), 1713 Moravian street. Cost, \$1,400. Store building, 37 North Seventh street.

Mrs. S. Hill (O). Fred Sabia & Co., Inc. (C), 237-41 Bread street. Cost, \$350. Dwelling, 5734 Wayne avenue.

Trumbull Waste Co. (O), Manayunk, Philadelphia. G. H. Yarnall (C), 7533 Ridge ave. Cost, \$2,500. Storage, Leverington and Baker streets.

Keystone Repair and Service Co. (O), 5117 Frankford avenue. W. J. Chase & Son (C), Holmesburg. Cost, \$2,000. Garage, 5117 Frankford avenue.

John Calhound (O), Sixty-first and Locust streets. Wm. C. Magee (C), 5548 Haverford street. Cost, \$900. Store building, Sixty-first and Locust streets.

Sophia A. Carr (O), 350 South Sixteenth st. Doyle & Co. (C), 1519 Sansom street. Cost, \$6,000. Dwelling, 1917 Spruce street.

A. S. Tourison (O), 505 E. Sedgwick street. A. S. Tourison, Jr. (C), 7014 Boyer street. Cost, \$1,200. Garage, Sedgwick and Ardleigh streets.

Finance Co. (O), South Penn Square. O'Meara Const. Co. (C), 253 South Quince st. Cost, \$25,000. Offices, 1420-28 S. Penn Square.

P. R. Co. (O), 1503 Filbert street. Wm. A. Thompson Co. (C), 1529 Filbert st. Cost, \$1,600. Hotel, Delaware and Market street.

M. Hurevitz (O), 831 North Sixth street. Cost, \$5,000. 718-20 Parrish street.

Alterations and Additions

Jos. Draur (O), Cotton and Silverwood sts. E. L. Outhbertson (C), 334 Roxborough ave. Cost, \$2,200. Store, Cotton and Silverwood streets.

Powers, Weightman & Rosengarten Co. (O), Falls of Schuylkill, Pa. C. O. Struse & Sons (C), Walnut lane and Main streets. Cost, \$550. Building, Ridge avenue and School lane.

Hablight & Co. (O), American and Somerset streets. Harry Brookelhurst (C), 512 W. Norris street. Cost, \$4,000. Office building, Cambria and Phillips streets.

E. S. Gilmour (O), 4712 Penn street. Wm. Keast (C), 4624 Penn street. Cost, \$2,500. Storage, Paul and Oxford streets.

Wm. Mann Co. (O), Fifth and Commerce streets. Horrocks Iron Works (C), 234 North Broad street. Cost, \$500. Printing house, Fifth and Commerce streets.

Henry R. Schock (O), 1503 North Sixteenth street. Geo. Hill (C), 2248 Wharton street. Cost, \$700. Repair shop, 1806-07 Market st. Guernsey Stevenson (trustee), 2105 Tioga st. Cost, \$8,000. Tenement, 1906 W. Tioga st.

Electric Storage Battery Co. (O), Nineteenth and Allegheny avenue. Pomeroy Const. Co. (C), 1609 Ranstead st. Cost, \$1,500. Machine shop, Nineteenth and Allegheny avenue.

J. Ulich (O), 418 South Fifth street. B. Bernstein (C), 1510 North Franklin street. Cost, \$500. Dwelling, 418 South Fifth street.

University of Penna. (O), Thirty-sixth and Spruce streets. Irwin & Leighton (C), 126 N. Twelfth street. Cost, \$500. Hospital, Thirty-sixth and Spruce streets.

Penna. Laundry Co. (O), 319 North Thirty-second street. Armstrong & Latta Co. (C), Land Title Building. Cost, \$2,000. Laundry building, 325-27 North Thirty-second street.

Mr. O. P. Stuart (O), Fifteenth and Columbia avenue. D. J. McNamee (C), 1621 North Fifteenth street. Cost, \$900. Store, Fifteenth and Columbia avenue.

Curtis Pub. Co. (O), 410 Cherry street. Roger Atkinson (C), Builders Exchange. Cost, \$725. Warehouse, 414 Cherry street.

Acme Tea Co. (O), Fourth and Willow sts. Turner Concrete Steel Co. (C), 1713 Sansom street. Cost, \$1,700. Stable, American and Green streets.

Edw. A. Duffy (O), 5439 Pine st. Vanderberg Bros. (C), 5802 Pemberton st. Cost,

\$2,000. Store and dwelling, 5208 Chestnut street.

H. K. Mulford Co. (O), 412 South Thirteenth street. Armstrong & Co. (O), 256 Diamond st. Cost, \$450. Manufacturing Building, Eleventh and Catherine streets.

Mrs. Mary Jellalian (O), 2000 Oxford st. Hugh Hazlett (C), 1701 North Twentieth st. Cost, \$500. Store and Dwelling, 2000 Oxford street.

C. Cristingie (O), 1127 Kimball street. F. Manfride (C), 1012 Fitzwater street. Cost, \$800. Dwelling, 1127 Kimball street.

F. Pubilos (O), Sixteenth and Dickinson sts. Jos. Padelase (C), 1647 Ellsworth st. Cost, \$500. Saloon and dwelling, Sixteenth and Dickinson streets.

Baxter, Kelly & Faust (O), Tioga and C sts. Cost, \$550. Storage tank, Tioga and C streets.

Penn Mutual Ins. Co. (O), Sixth and Walnut streets. Doyle & Co. (C), 1519 Sansom st. Cost, \$5,000. Office building, 923-25 Chestnut street.

L. Cohen (O), 1206 North Eighth st. Cost, \$400. Store, 481 North Fourth street.

Marguerite Gorgas (O). A. L. Aiman (C), 6927 Cresham st. Cost, \$1,000. Store, 7144 Germantown avenue.

The Texas Co. (O), Morris Building. Cost, \$4,200. Garage and Warehouse, McKean and Commercial streets.

Karl Koward (O), 1804 Mervine st. R. Guenther & Son (C), 1637 North Thirteenth st. Cost, \$380. Dwelling, 1804 North Mervine street.

John Lorenz (O), Fifty-third and Overbrook avenue. John J. Sanders (C), 5111 Walton avenue. Cost, \$1,000. Dwelling, Fifty-third and Overbrook avenue.

A. H. Ritter (O), 206 W. Washington lane. Chas. Townsend (O), 5512 Fairhill street. Cost, \$2,000. Store, 22-24 North Fifth street.

Henry G. Schultz (O), 1419 W. Ontario st. Wm. H. Schultz (C), 3340 North Carlisle st. Cost, \$700. Dwelling, 1419 W. Ontario street.

Lewis Ball (O), Eighty-fourth and Fairview avenue. S. Barnett & Sons (C), 593 Drexel Building. Cost, \$800. Dwelling, Eighty-fourth and Fairview avenue.

Mrs. Adolph Hang (O), 1626 North Thirteenth street. Otto Malz & Son (C), 2108 N. Lawrence street. Cost, \$925. Dwelling, 1626 North Thirteenth street.

Mrs. E. S. Stewart (O), 1941 North Nineteenth street. J. Harvey Rea (C), 1019 Apple tree st. Cost, \$750. Dwelling, 1931 North Nineteenth street.

P. R. Co. (O), Broad St. Station. Cost, \$1,000. Signal cabin, Cheltenham avenue station.

Fred H. Allen (O), 313 E. Wister st. John N. Mowrer (C), 5012 Wakefield st. Cost, \$800. Garage, 313 E. Wister street.

H. J. Sajpherd (O), Sydenham and Columbia avenue. Frank G. English (C), 1608 North Carlisle street. Cost, \$3,200. Stable, Sydenham and Columbia avenue.

Don't try to see out of some other man's eyes when you've got a pair of your own,— use them and go over every job carefully before you consider that you are thorough with it, and don't forget that one "good job" is a better advertisement than many poor ones.—Exchange.

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.

EFFICIENCY IN CONTRACTING

There never was a time when such all-round knowledge was required in the contracting business as to-day. A generation ago wood was the principal material used, and a knowledge of carpentry, the principal trade needed. In other words, the carpenter had more to do with building construction than many other trades combined. Electric wiring was almost unknown, plumbing and heating systems were confined to city homes or long-established suburbs.

The mechanics did not draw the line so sharply as at the present time as to who should perform certain classes of work. I well remember a father and son who were stone masons, bricklayers and plasterers, doing all these classes of work, where necessary, on the same building.

While wood as a material and carpentry as a trade do not enter into building construction, proportionately, as formerly, the carpenter still retains control of the construction and has evolved into the contractor and builder. Just as the old-time "tinner" is now emerging into the sheet metal contractor, the electric doorbell wirer into the electrical contractor, the plumber into the master plumber, the furnace man into the heating contractor.

The demand for these modern improvements in homes and other buildings has increased the responsibility of the contractor and calls for a more technical knowledge of the materials, their proper place in and method of application to the structure. While all of these must be or should be known by the architect, there are many structures erected over which the architect has no supervision whatever; many more where he is not even called upon to make the plans. The lack of these increases the responsibility of the contractor.

A knowledge of the materials used by the sub-contractors is quite essential for the contractor. He should have their knowledge first hand and not have to depend on the sub-contractor entirely. While he cannot acquire all the technic regarding tin, galvanized iron, plumbing, electrical batteries, etc., nor the mechanical skill required to assemble these into place, yet his knowledge of these should be such that he will know whether the proper kind of materials are being used in the right place and installed in the right way. For instance, a gutter may be lined with tin, galvanized iron, copper or lead. Which of these four materials is the most suitable? Having selected the "suitable," what about the quality, weight or gauge? There are many qualities of tin as there are days in the month. The price of this article is the best gauge for quality. Galvanized iron does not vary so much in quality as in the gauge or thickness that may be required; the same of copper; while sheet lead goes by so many pounds to the square foot.

A little study will show that so simple a matter as lining a few lineal feet of gutter may require a large amount of discriminatory knowledge on the part of the contractor. I

shall never forget being called into the office of an architect several years ago and asked if the higher the gauge number on galvanized sheets meant increased thickness of the metal. As gauge numbers and thickness of metal are just the opposite of each other, the smaller the gauge number the thicker the sheet, this instance shows how careful a study is necessary to master the details. Neither should these matters be left entirely to the sub-contractors for fulfillment; the contractor himself should know.

There is one part of dwelling construction about which the contractor should familiarize himself, and that is heating. Next to being dry with a proper roof, comfort in cold weather is paramount. In planning a dwelling less attention is often given to the heating than to any other part. In this respect architects are not always blameless. Sufficient space for the heat flues and their location is generally an afterthought. With many the idea prevails that a warm air heater is some cast iron incased in sheet iron connected with tin pipes to the upper floors, regardless of size or location; all that is necessary is to start a fire. The owner soon learns this doesn't work out in cold weather. It requires more mechanical skill to plan and properly install a warm air heating plant in the ordinary house than any other part of the building. A slight change in the layout of the rooms may require a decided change in some parts of the heating plant. About two years ago I went with a party to look over a new house he was considering purchasing. An examination of the furnace showed the same size flue pipe was used to heat a large living room as for a small bath room. Of course, the furnace man was at fault, but what about the contractor who permitted such installation? Needless to say, my friend did not purchase the property.

Another instance came to notice recently where a man built a home at a cost of several thousand dollars and wanted the best there was. After four years' use the entire heating plant must be torn out and replaced, and at an expense of several hundred dollars. The heating contractor was inefficient, but the general contractor should have known enough regarding heating plants to have protected the owner.

From the foregoing instances it will be seen how essential it is for the contractor to know materials, proper workmanship and the proper application for their respective uses. This applies not only to one or two features of the structure, but every kind of material and character of mechanical skill required to apply or install it.

Most property owners will take pride in work that is well done and the contractor will lose nothing by efficient supervision of work done by sub-contractors. Efficient supervision is possible only with a thorough knowledge of the materials used and workmanship required. —E. L. Seabrook in "National Builder."

CITY HOUSES SHOULD COMBINE COMFORT, CHARM AND BEAUTY.

Many costly houses in our cities represent merely dull prose when truly they should be poems of comfort, charm, joy, individuality and beauty.

Architectural possibilities in the building of a city house or its remodeling are in many ways limited as compared with the country home. There are usually no grounds around it; neighborhood and environment must be accepted, in general, as beyond the individual's power to change—he cannot usually modify them as he can to a considerable degree in the country. But the problem, by being thus limited and concentrated, becomes, in a way, even more stimulating and more interesting.

In the treatment of both exterior and interior there are possibilities of beauty, charm, comfort, convenience, too often passed by unrealized. There is no valid reason for the lack of individuality characterizing most of the fine residences in our large cities. Many of them have fine sites, at the edges of parks, facing tree bordered public squares or fronting river or lake, that offer rare opportunity for harmonious treatment on broad lines of taste and effectiveness, says a writer in the "New York World."

The three essential elements of a city house are convenience, comfort and beauty, united in finest adaptation of the individual house to the needs of the owner. Many houses overemphasize in mere appearance at the expense of convenience and comfort, but beauty can never be considered apart from use in its highest form in the home. Convenience means efficiency in the household, the reduction of labor, time, energy to its lowest terms, with maximum ease and simplicity in the working of the machinery of service. A perfect kitchen, well planned, well lighted, with every modern convenience for order and expeditious work, is a valued aid in solving many of the problems of service. Liberal storerooms with broad shelves adapted to specific needs and electric lighted wardrobes with hanging appliances that treat dainty gowns and heavier clothing with proper respect and little closets tucked into just the proper places are a joy to the heart of woman. These and many other conveniences which architects often deem of secondary importance should be considered in the original designs of the building or in the remodeling. i

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wibbe & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

James P. Farrell & Co., 1619 Sansom st.

Graham-Campion Co., Heed Bldg., Phila.

Mitchell Bros., 2125 Race st., Phila.

Pomeroy Const. Co., 1609 Ransstead st., Phila.

Builders' Iron Work.

James G. Madden, Franklin Bank Bldg., Phila.

W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co., 4th and Callowhill sts., Phila.

Lehigh Portland Cement Co., Penna. Bldg.,

Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.

Barrett Mfg. Co., New York City and Philadelphia.

Builders' Steel Products Co., 131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co., 3 W. 29th st., N. Y., and Land Title Bldg. Phil.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.

Warren-Knight Co., 136 N. 12th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co., 1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co., 10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.

Warren-Knight Co., 136 N. 12th st., Phila.

F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works, Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co., 131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.

Frank C. Gillingham & Son Co., Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co., American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

Abram Cox Stove Co., American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co., Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co., Real Estate Trust Bldg., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

James G. Madden, Franklin Bank Bldg.

W. E. Wark & Co., 1737 Filbert st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.

Frank C. Gillingham & Son Co., Richmond and Norris sts., Phila.

Howard Ketcham, 3rd & Girard ave., Phila.

James E. Tague & Co., 10th and Columbia ave., Phila.

Metal Lath.

Builders Steel Products Co., 131 S. 24th st., Phila.

N. J. Wire Cloth Co., Trenton, N. J. and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.

Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co., New York City and Philadelphia.

F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

Liberty Stove Co., 114 N. 2nd st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.

Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.

Brinkmann Bros., 2615 Frankford ave., Phila.

T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange.

O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co., Glen Rock, Pa., and Land Title Bldg., Phila.

Phila. Mineral Flooring Co., 5632 Summer st

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co., 3 W. 29th St., New York.

and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co., Real Estate Trus. Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

John B. Rulon, 1355 Colwyn st., Phila., Pa.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co., Real Estate Trust Bldg., Phila.

Ridpath & Potter Co., Bourse Bldg., Phila.

John B. Rulon, 1355 Colwyn st., Phila., Pa.

Tile and Terrazza Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board.

Cell Board.

The Philip Carey Co., 13th and Hamilton sts., Phila.

James E. Tague & Co., 10th and Columbia ave., Phila.

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility." Frank C. Gillingham & Son Co., Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co., Real Estate Trust Bldg., Phila.

Barrett Mfg. Co., New York City and Philadelphia.

Builders' Steel Products Co., 131 S. 24th st., Phila.

Standard Paint Co., 100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co., Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son, 1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son, 1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J. and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.



receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.



A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit.

Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg.,
Peoples Gas Bldg.,
Beacon Building,

NEW YORK
CHICAGO
BOSTON

FOR RESULTS

Advertise in THE BUILDERS' GUIDE

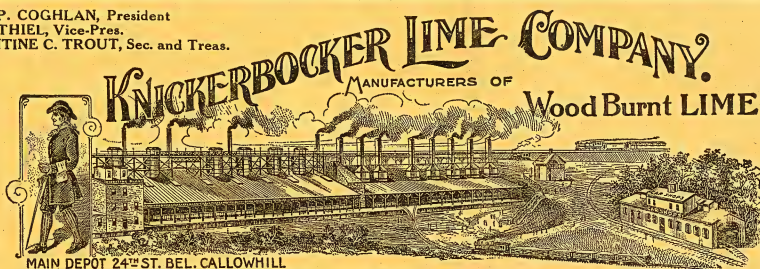
Reaches Architects, Builders and Owners

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

KNICKERBOCKER LIME COMPANY
MANUFACTURERS OF

Wood Burnt LIME

Branch
Office

Telephone
Bell

Locust 200
and 201

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

PHILADELPHIA
WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks
All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 46.

PHILADELPHIA, WEDNESDAY, NOVEMBER 17, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING Co.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking

Anchor Post Iron Works

W. S. SLACK, Manager

Real Estate Trust Bldg., Phila.



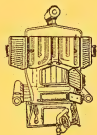
Contractor's Equipment

NEW AND SECOND HAND

Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA., PA.

MILLS



"Guarantee"

We stand back of our Boiler.

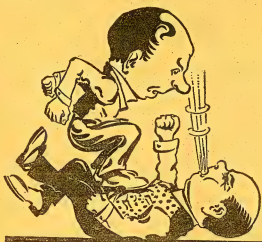
They will do everything we claim for them.

Send for information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta**

**Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.

Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS

Shops, Rochester, Pa.

District Representative

JAMES G. MADDEN

1011 Franklin Bank Building

Bell Phone, Walnut 4344
Keystone Phone, Race 718

Philadelphia, Pa.

Wire Work



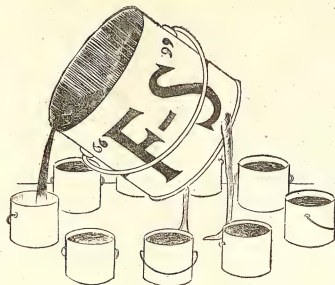
THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGEE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



"F-S" Products satisfy every demand.

When you want an exceptionally good, durable finish to please discriminating people, specify "F-S" Mission Finishes. They are easily applied without danger of lapping or setting while brushing out. They come in a great variety of permanent colors.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(119)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

Has your work ever been held up on account of slow delivery of BRICKS?

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

Complete line of Clay Products, including Face Bricks, Hard Bricks, Sewer Bricks, Flue Linings, Sewer Pipe, Roofing and Floor Tile.

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

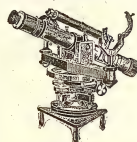
Contractors and Builders

ALTERATIONS

JOBGING

Bell, Spruce 4419

Keystone, Race 3210



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15

to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 8608, 8604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 46.

PHILADELPHIA, WEDNESDAY, NOVEMBER 17, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Market House (alts.), Second street, Fairmount avenue to Brown street. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Frame, 1 story, slag and tin roof, rolling steel doors (plumbing separate bid). Owners taking bids, due November 18th. The following are figuring: Eugene Tourison, 1001 Chestnut street; James Connor, 1317 Arch street; Edward Pay & Son, 2 South Mole st.; Mitchell Bros., 2125 Race street, Philadelphia.

Park Improvements, Forty-third and Chester avenue. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Consists of concrete walks and curbs. Owners taking bids, due November 18th. The following are figuring: Edward Pay & Son, 2 S. Mole st.; Wm. Munday, 258 S. Alder st.; Francis S. Markland, 1502 Sansom street.

Park Improvements, Elkart and Ringgold sts., Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Consists of cement walks, curb, grading, etc. Owners taking revised bids, due November 18th. The following are figuring: Edward Pay & Son, 2 South Mole street; Wm. Munday, 258 South Alder street; Francis S. Markland, 1502 Sansom street.

Bath House, 720 Wood street, Philadelphia. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owners, Public Baths Assoc. of Philadelphia. Brick, stone trimmings, 2 stories, slag roof, oak floors, metal lath, waterproofing, reinforced concrete floors, reinforcing bars, (heating reserved). Architects taking bids, due November 18th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; Wm. R. Dougherty, 1610 Sansom street; Frank E. Wallace, 1220 Chancellor street; Jacob Myers & Sons Co., Witherspoon Building; Roydhouse-Arey & Co., Fidelity Building; J. S. Cornell & Son, Land Title Building, Philadelphia.

Coal Yard Reconstruction, Emerald street, Philadelphia. Engineer, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway Co., Reading

Terminal. Consists of concrete walls, trestles, alterations and additions to stable and offices, slag roofing, steam heating, electric lighting, dampproofing and waterproofing, reinforcing bars. Lowest bidder, C. P. Bower, Reading, Pa., \$65,899.

Residence, Quincey and Phil Ellena streets, Philadelphia. Architect, Geo. S. Idell, 34 S. Sixteenth street, Philadelphia. Owner, E. P. Moxey, 34 Carpenter street, Germantown. Brick, 2½ stories, 28x52 feet, slate roof, vapor heating, tile work, oak floors, electric lighting. Architect taking bids, due November 18th. The following are figuring: Kohl & Megargee, 124 E. Gorgas lane; McClintock & Weaver, 24 Phil-Ellena street; I. A. Dunkelberger, 71 E. Herman street; Wm. J. Grubler & Co., 219 E. High street; A. Whitehead, Inc., 1624 Latimer street; Thomas C. Trafford, 1613 Sansom st.; Stacy Reeves & Sons, 2011 Market street; J. J. Richards & Co., 136 North Eighth street; A. L. Fretz & Son, 1222 Chancellor street, Philadelphia.

Residences (25), Melrose, Tacony street and Frankford avenue. Architect, private plans. Owners, Solomon Bros. & Joseph Lupowitz, 263 South Eighth street. Brick, 2 stories, 15x32 feet, slag roofs, hot air heating, electric lighting. Owners ready for sub-bids.

Library Building, McPherson Park, Philadelphia. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owners, Free Library of Philadelphia, J. Thompson, Librarian, Fifteenth and Locust streets, Philadelphia. Brick and terra cotta, 1 story, 35x105 feet, wing 35x50 feet, tile roof (heating and electric work separate bids). Architects taking bids, due November 22d. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; J. S. Cornell & Son, Land Title Building; Cramp & Co., Denekia Building; John Duncan, 920 Walnut street; Wm. R. Dougherty, 1610 Sansom st.; F. A. Havens & Co., 845 North Nineteenth st.; Jacob Myers & Sons Co., Witherspoon Building; Pomeroy Const. Co., 1609 Ranstead st.; A. R. Raff, 1635 Thompson street.

Residence, St. Martins, Philadelphia, \$15,000. Architect, Robert Rodas McGoodwin, 34 South Sixteenth street, Philadelphia. Ow-

ner, Robert J. Coleman, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 67x45 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architect taking bids, due November 17th. The following are figuring: Pringle Borthwick, 8018 Germantown avenue; John E. Walt, 204 E. Willow Grove avenue; Wm. J. Grubler & Co., 219 E. High street; Fred Elvidge & Son, 5522 Germantown avenue.

Residence, Lincoln drive near Moreland ave., \$10,000. Architect, Robert Rodas McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 30x60 feet, slate and shingle roof, hot air heating, electric lighting, tile work, oak floors. Architect taking bids, due November 17th. The following are figuring: Pringle Borthwick, 8018 Germantown avenue; John E. Walt, 204 E. Willow Grove avenue; Wm. J. Grubler & Co., 219 E. High street; Fred Elvidge & Son, 5522 Germantown avenue, Philadelphia.

Residence, Upsal street near Wissahickon avenue, \$12,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, J. Morgan Lister, 5612 Germantown avenue, Philadelphia. Brick and stone, 2½ stories, 30x52 feet, slate or shingle roof, hot water heating, electric lighting, oak floors. Plans about completed. Architect taking bids.

Ice Cream Factory, 3333 to 3337 Ludlow st., Philadelphia, \$35,000. Architect, Charles H. Caspar, Fifteenth and Arch streets, Philadelphia. Owners, Supplee Alderney Dairy, 1118 Chestnut street, Philadelphia. Brick and steel, 3 stories, 100x100 feet, slag roof, electric lighting, elevators, steam heating. Architect is sub-letting all contracts.

Film Building, 1225 Vine street, Philadelphia. Architect, Charles E. Oelschlaeger, Harrison Building, Philadelphia. Owner, name withheld. Brick, 1 story, 20x90 feet, slag roof, steam heating, electric lighting. Architect has received bids.

Home (alt. and add.), 5919 Wayne avenue, Philadelphia. Architect, Robert Rodas McGoodwin, 34 South Sixteenth street, Philadelphia. Owners, Home of Rest for the Aged, on premises. Brick, 2 stories, 19x38 feet, slag

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.



Files for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{3}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for **POSITIVE Satisfactory Results.**

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

roof, hot water heating, electric lighting. Architect taking bids, due November 17th. The following are figuring: Wm. C. Wright, 22 Harvey street; James C. Driscoll, Weightman Building; Irwin Faut, 4228 Sydanham street; F. Elvidge & Son, 5522 Germantown avenue; James C. Driscoll, 1524 Chestnut st.; Philadelphia.

Truck Factory, Seventeenth and Buttonwood streets, Philadelphia, \$100,000. Architect, private plans. Owners, Baldwin Locomotive Works, Broad and Spring Garden sts. Brick and steel, concrete, 4 stories, 90x98 feet, slag roof, reinforcing bars (electric work and heating reserved). Owners taking bids, due November 20th. The following are figuring: Charles McCaul Co., 1713 Sansom street; Irwin & Leighton, 126 North Twelfth street; Doyle & Co., 1519 Sansom street, Philadelphia.

Machine Shop (add.), Nicetown, Philadelphia. Architect private plans. Owners, Midvale Steel Co., Nicetown, Philadelphia. Brick and steel, 1 story, 548x57 feet, slag roof, metal sash. Owners taking bids, due as soon as possible. The following are figuring: Wm. Steele & Sons Co., 1600 Arch street; Irwin & Leighton, 226 North Twelfth street; Roydhouse-Arey Co., Fidelity Building; W. W. Lindsay & Co., Harrison Building; Harry Brocklehurst, 512 W. Norris street, all of Philadelphia.

Garage, St. Martins, Philadelphia. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Thomas G. Stockhausen, North American Building, Philadelphia. Brick, 2 stories, 25x30 feet, shingle roof, steam heating, electric lighting, cement floors, gasoline pump and storage system. Architects taking bids, due November 19th. The following are figuring: Elfreth & Wood, 1706 Sansom street; Eugene Tourison, 1001 Chestnut street; Fred Elvidge & Son, 5522 Germantown avenue; I. A. Dunkelberger, 71 E. Herman street; Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

School Building (alts. and add.), Greene and Carpenter streets. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, stone trimmings, 2 stories, (heating, plumbing and electric work separate bids). Lowest bidder Wm. R. Dougherty, 1610 Sansom street, \$28,880.

Factory, 1727-29-31 North Front street,

Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, D. Marnhout, on premises. Brick and frame, 2 stories, 60x110 feet, slag roof, hot water heat, electric lighting, cement floors. Owner taking bids. Joseph Reis, 1331 North Front street, Philadelphia, is figuring.

Residences (50), Sixty-second and Hazel avenue, Philadelphia. Architect, private plans. Owners, Klaus & Baxter, 5715 Ashland street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof hot water heating, electric lighting, hardwood floors, tile bathrooms. Owners ready for sub-bids.

Employees Building, Twenty-ninth and Bristol streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Pulley Co., on premises. Brick, concrete and steel, 2 stories, 100x38 feet, slag roof, metal lath, reinforcing bars, kalamein doors, safety treads, iron stairs, dampproofing, steel sash, terrazzo floors (heating, plumbing and electric work reserved). Architects have received bids.

Apartments (alts. and add.), 1906 and 1908 W. Tioga street, Philadelphia. Architect, Walter Thomas Mayo, 1701 Chestnut street, Philadelphia. Owner, G. Stevenson, 2105 W. Tioga street, Philadelphia. Brick, 3 stories, vapor heating, electric lighting. Architect taking sub-bids.

Garages (3) Stenton, Philadelphia. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Frank Mauran, Land Title Building, Philadelphia. Stone, 2 stories, slate roofs, hot water heating, electric lighting cement floors. Plans about completed. Owner will soon take sub-bids.

Factory Building, 1220 to 1224 Spring street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owners, M. Rice & Co., 1220 Race street, Philadelphia. Reinforced concrete and brick, 4 stories, 54x100 feet, slag roof, steam heating, electric lighting, elevator metal sash. Plans completed. Architects ready for bids.

Warehouse, Sixtieth and Sansom streets, Philadelphia. Architect, private plans. Owners, Shepherd Storage Co., 115 South Sixtieth street, Philadelphia. Brick, 2 stories, 20x95 feet, slag roof (heating and electric work reserved). Owner is taking bids.

Residence, Arrott and Horrocks streets,

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N.J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa.; 210 Fulton Street, New York City
88 and 86 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

Frankford, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Thos. K. Quirk, 1139 Herbert street, Frankford, Philadelphia. Brick and stucco, 3 stories, 20x45 feet, 2 wings, tile roof, electric lighting, hot water heating, hardwood floors, tile work. Architects taking bids, due November 23d. The following are figuring: C. West & Co., Harrison and Horrocks streets; Rimer & Byers, 4842 Hawthorne street; Rush Brothers, 1100 Fillmore street; Harry A. L. Smink, 5320 North Twelfth street; John F. Davies, Heed Building; James C. Driscoll, Weightman Building, Philadelphia.

Loft Building, northwest corner Twenty-third and Market streets, Philadelphia, \$500,000. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Reinforced concrete, 6 stories, 400x250 feet, composition roof, steam heating, electric lighting, elevators, steel sash, waterproofing and damp-proofing. Owners will take bids on November 15th, on concrete work, brick work, cut stone, iron work, roofing, sheet metal steel sash, terra cotta and rough stone. Plans may be seen at office, 2330 Chestnut street, Philadelphia.

Dwellings (7), northwest corner of Eleventh and Lowden streets, Philadelphia. Architect, Julius J. Anderson, Drexel Building, Philadelphia. Owner, M. A. Rovine, Fourth and McKean streets. Brick, 2 stories, 16x52 feet, slag roof, electric lighting, tile work and parquetry floors. Plans about completed. Owner will take sub-bids in a few days.

Store and Apartments, 411 South Fifth street, Philadelphia. Architect, Julius J. Anderson, Drexel Building, Philadelphia. Owners, United Printing Company, 407 South Fifth street, Philadelphia. Brick, 3 stories and basement, 20x54 feet, slag roof, electric lighting, hot water heating, metal lath. Plans about completed. Owners will take sub-bids in a few days.

Paving and Grading, various streets, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Consists of grading, asphalt, vitrified brick, granite block and macadam paving. Owners taking bids, due November 23rd at noon.

Garage, 6418 Upland street, Philadelphia. Architect, private plans. Owner's name withheld. Brick, 1 story, 40x81 feet, slag roof, electric lighting, steam heating, concrete floors. Builder, J. J. Richards Co., 136 North Eighth street, Philadelphia, is taking sub-bids.

Piers and Foundations, Frankford, Philadelphia. Engineers, Department of City Transit, Bourse Building, Philadelphia. Owners, City of Philadelphia, A. M. Taylor, Di-

rector, Bourse Building. Consists of concrete piers and foundations for elevated on Frankford avenue from Unity street to Dyre street. Proposal bond. Owners taking bids, due December 7th at noon. James D. Dorney, 1204 East Montgomery avenue, is figuring.

Elevated, Frankford, Philadelphia. Engineer, Department of City Transit, Bourse Building. Owners, City of Philadelphia, A. M. Taylor, Director, Bourse Building. Consists of steel superstructure for elevated railway on Frankford avenue from Unity street to Dyre street. Proposal bond. Owners taking bids, due December 14th at noon. McClintock-Marshall Co., Morris Building, is figuring.

Factory Building, Tacony and Lewis streets, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owners, John Illingworth Steel Co., on premises. Frame, 1 story, 144x60 feet, slag roof (plumbing and electric work reserved). Architect taking bids, due November 17th. The following are figuring: William R. Dougherty, 1610 Sansom street; J. Richard Jackson, Perry Building; F. T. Mercer Co., 1706 Delancey street; F. W. Van Loon, Denckla Building; A. Whitehead, Inc., 1624 Latimer street, Philadelphia.

Apartment House, Central Philadelphia. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Central Estates Corporation, care of B. D. Gardiner. Brick, stone, steel and terra cotta, fireproof, 10 stories, 150x110 feet, composition roof, steam heating, electric lighting, tile and marble work, metal lath, hardwood floors. Architect taking revised bids, due November 26th. The following are figuring: George A. Fuller Co., Widener Building; Stacy Reeves & Sons, 2011 Market street; National Fireproofing Co., Land Title Building; Cramp & Co., Denckla Building; Bailey-Lush Co., 201 North Broad street; Metzger & Fisher, Denckla Building, Philadelphia.

Pier Superstructure, McKean street, Philadelphia, \$500,000. Engineers, Department of Wharves, Docks and Ferries, Bourse Building. Owners, City of Philadelphia, John Meigs, Director, Bourse Building. Brick, steel, terra cotta and concrete, fireproof, double deck, 900x250 feet, slag roof, waterproofing, expanded metal, steel sash, safety trusses, proposal bond. Owners taking bids due December 6th at noon. Cramp & Co., Denckla Building, and Snare & Triest Co., 40 South Wharves, Philadelphia, are figuring.

Residences (20), Sherman street and Washington lane, Germantown. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, Edward E. Callen, Jr., Croxier Building. Stone, 2 stories, 15x48 feet, asbestos and shingle roof, hot water heating, combination



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag

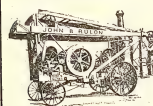
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865



WELLS DRILLED

Test Borings

Ask for Prices

JOHN B. RULON

1355 Colwyn Street

Philadelphia, Pa.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.

Gas Talks For Builders

We use the greatest care in buying what we sell, and you can buy only what we can guarantee.

We could sell gas appliances which do not satisfy us, but we don't. When we sell you one appliance or a dozen, we are, therefore, able to stand back of every statement and promise we make.

Let us co-operate with you. We have ideas that will save you money. Call up our Builders and Operators Division.

—Telephones—
Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED GAS
IMPROVEMENT COMPANY**

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

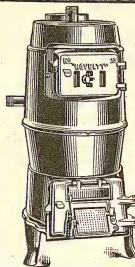
Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets

Steel Boxes, Panel Boards
114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"NOVELTY" REMINDERS

The "Novelty" Tank Heater

Has more distinctive features than any similar appliance and will produce maximum results with low fuel consumption

The demand for Tank Heaters is large and one installed in your houses will add to their value.

Why not have the best?—"The Novelty"

Manufactured in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT
BUILDERS' EXCHANGE

American and Dauphin Sts.

lighting, hardwood floors. Owners taking sub-bids.

Truck Factory, Eighteenth and Buttonwood streets, \$100,000. Architect, private plans. Owners, Baldwin Locomotive Works, 500 North Broad street, Philadelphia. Brick and steel, concrete, 4 stories, 90x98 feet, slag roof, reinforcing bars (electric work and heating reserved). Owners taking bids, November 18th at noon. In addition to those previously reported, Seeds & Derham, 6314 Wissabickon avenue; Cramp & Co., Denekla Building; Barclay White & Co., Perry Building; Bailey-Lush Co., 201 North Broad street; A.

Raymond Raff, 1635 Thompson street; Jacob Myers & Sons Co., Witherspoon Building, and George Mink, 2207 Chestnut street, Philadelphia, are figuring.

Store and Dwelling, northwest corner of Seventh and Porter street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Lewis B. Goldenberg, 2324 South Ninth street, Philadelphia. Brick, 3 stories, 15x51 feet, slag roof, hot water heating, electric lighting. Plans completed. Owner will take sub-bids on all lines.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory, Kensington avenue and Frankford creek, Philadelphia, \$18,000. Architect, private plans. Owner, Julius Gebauer, 1412 Unity street, Philadelphia. Brick, 1 story, 124 x100 feet, slag roof, steam heating, electric lighting. Contract awarded to Kirby Building Co., 6228 Walker street, Frankford.

Office Building (alts.), 1710-1712 Chestnut street, Philadelphia. Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owners, Theodore Presser Co., on premises. Consists of new stairs and fire doors, metal lath. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

Bridge, south of Clingan on the Wilmington branch. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway Co., Reading Terminal, Philadelphia. Steel and concrete, 24-foot span. Contract awarded to Charles McDermott Co., Pennsylvania Building, Philadelphia.

Garage, northwest corner Kinsey and Paul streets, Philadelphia. Architect, private plans. Owner, E. S. Gilmour, 4712 Penn st., Frankford, Philadelphia. Brick, 1 story, 75x39x87 feet, slag roof (heating and lighting reserved). Contract awarded to John McShain, 1610 North street, Philadelphia.

Residence (alts.), 4401 Sansom street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Girard Trust Co., Broad and Chestnut streets, Philadelphia. Brick, consists of new bath-

room, slate roof. Contract awarded to J. Morris Daniels, 252 South Juniper street, Philadelphia.

Residence (alt. and add.), 3640 Chestnut st., Philadelphia, \$3,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Brick, 3 stories, slag, tin and canvas roof, steam heating. Contract awarded to Frederick Broome, 4003 Sansom street, Philadelphia.

Residence, Somerton, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, T. Scott Root, Somerton, Philadelphia. Brick and plaster, 2½ stories, 27x35 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to W. John Stevens, Wyncofe, Pa.

Store Building (alts.), 1307 Vine street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, H. S. Marks, care of Arthur Boswell, agent, 233 North Thirteenth street, Philadelphia. Brick, 3 stories, slag roof, steam heating, electric lighting, tile work, metal lath. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Parochial School and Chapel, Sixty-second and Cedar avenue, Philadelphia, \$40,000. Architects, Henon & Boyle, 10 South Eighth street, Philadelphia. Owner's St. Catherine R. C. Church, Rev. P. F. O'Neill, Fifty-third and Vine streets, Philadelphia. Stone and brick, 2 stories, 62x120 feet, slate roof,

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
SUPERSEDES PLASTER
FOR WALLS
AND CEILINGS

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts.

steam heating, electric lighting, tile work, metal lath. Contract awarded to John McShain 1610 North street, Philadelphia.

Residence and Garages (2), Overbrook, Pa., \$25,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Morris Estate, Henry P. Wright, manager, Overbrook. Stone, 2½ stories, shingle roofs, oak floors, tile work (electric work and heating reserved). Contract awarded to John J. Murphy & Co., 1139 South Wilton street.

Residence and Garage, Oak Lane, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Dr. Clarence V. Clemmer, 906 Sixty-ninth avenue, Oak Lane. Stone, 2½ stories, slate roof, hardwood floors, tile work (heating, hot water heating, plumbing and electric work reserved). Contract awarded to George Kessler Cont. Co.,

Drexel Building, Philadelphia.

Show Rooms and Machine Shop (alt. and add.), 2506 North Broad street. Architect, Le Roy B. Rothschild, Bulletin Building, Philadelphia. Owner, George W. Reinbold, 2419 North Broad street, Philadelphia. Brick and terra cotta, 1 story, 26x177 feet, slag roof, steam heating, electric lighting, metal ceilings, dampproofing. Contract awarded to S. E. MacDowell & Sons 1927 Montgomery avenue.

Gas Plant (add.), 303 South Thirtieth st., Philadelphia. Architect, private plans. Owners, Pintsch Compressing Co., 301 South Thirtieth street, Philadelphia. Brick and concrete, 1 story, 22x20 feet, concrete roof, reinforcing bars. Contract awarded to Walker Diamond, 2048 East York street, Philadelphia.

PENNSYLVANIA Construction News

Residence and Garage, Merion, Pa. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owner, John F. Braun, Real Estate Trust Building, Philadelphia. Brick, stone and rough cast, 2½ stories, 60x117 feet. Architects taking revised bids, due November 16th, on carpenter and millwork, stone work, concrete and fireproofing, iron work, etc. The following are figuring: E. C. Ballinger & Co., 518 North Thirtieth street; Thomas M. Seeds, 1207 Race street; Jacob Myers Sons Co. Witherspoon Building; George & Brost, 277 S. Eleventh street; Stacy Reeves & Sons, 2011 Market street; John Duncan, 920 Walnut st., Philadelphia.

Residence, Narberth, Pa., \$6,000. Architect, D. K. Boyd, northeast corner Fifteenth and Walnut streets, Philadelphia. Owner, James Artman, Narberth, Pa. Stone, hollow tile and frame, 2½ stories, 22x45 feet, shingle roof, hot water heating, electric lighting, tile work. Revised plans in progress.

Ward Buildings, South Mountain, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Asylum for Chronic Insane, care Dr. S. S. Hill, South Mountain, Wernersville, Pa. Reinforced concrete and brick, 2½ stories. Details not decided. Plans in progress.

Residence, Ardmore, Pa. Architect, Wm. F. Brooke, Ardmore, Pa. Owner, Wm. Parker, Ardmore, Pa. Brick, 2½ stories, 28x50 feet, slate roof, electric lighting, oak floors (plumbing and heating reserved). Owner taking bids. E. J. Hedden, Finance Building, Philadelphia, is figuring.

Gateway, Elkins Park, Pa. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owner, Theodore Voorhees, Reading Terminal, Philadelphia. Brick and ornamental iron, reinforcing rods, electric lighting. Architects have received bids.

Apartment House, Bryn Mawr, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Norman P. Sinclair, Real Estate Trust Building, Philadelphia. Brick, terra cotta, steel and concrete, fireproof, 5 stories, 166x96 feet, slag roof, vapor heating, electric lighting, oak floors, tile work, reinforcing concrete floors, elevator. Owner has received bids.

Residence (alt. and add.), Stroudsburg, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, A. Mitchell Palmer, Stroudsburg, Pa. Frame, 1 story, 6x20 feet, tin roof, and general interior alterations. Plans about completed. Owner will take bids.

Residence, Haverford, Pa., \$35,000. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, J. Heron Crosman, Jr., 1230 Arch street, Philadelphia. Stone and

timber, 2½ stories. Details not yet decided. Plans in progress.

Store Building (alt. and add.), Marcus Hook, Pa. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owner, J. M. Downers, Marcus Hook, Pa. Brick, 2 stories, 16x25 feet, slag roof, hot water heating, electric lighting. Owner taking bids, due November 17th. J. Harry Richardson and Wm. Galbreath, Marcus Hook, Pa., are figuring.

School Building, Marcus Hook, Pa., \$35,000. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slate blackboards, slag roof, metal lath (steam heating, electric lighting and plumbing separate bids). Owners will take revised bids.

Town Hall, Schuylkill Haven, Pa., \$6,000. Architect, Wayne M. High, Moore Building, Reading, Pa. Owners, Borough of Schuylkill Haven, Robert Hoffman, Chairman, Schuylkill Haven, Pa. Brick and steel, 2 stories, 36x44 feet, slate roof, steam heating, electric lighting, metal lath. Owners taking bids, due November 15th. The following are figuring: I. H. Becker, H. D. Reid and W. H. Bashore & Sons, all of Schuylkill Haven, Pa., and Gordon Nagle, Pottsville, Pa.

Mission House, Wayne, Pa. Architects, D. K. Boyd and V. D. Abel, southeast corner Fifteenth and Walnut streets. Owners, John Miller Memorial Baptist Young Peoples Union of the Central Baptist Church, Wayne, Pa. Stone, terra cotta blocks and plaster, 2 stories, 33x66 feet, shingle roof, hot water heating. Architects taking bids. J. D. Lenge, Wayne, Pa., is figuring. (Only bidder.)

Residence, Norristown, Pa. Architect, J. L. Reinhold, 1309 Walnut street, Philadelphia. Owner, Birnie Pearson, Norristown, Pa. Brick and rough cast, 2½ stories, 40x44 feet, slate roof, hot water heating, electric lighting, arched well, tile work, oak floors. Architect taking bids, due November 13th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; E. J. Hedden, Finance Building; S. Bannett & Son, Drexel Building; Charles C. Pace, Merion, Pa.; Harry Seasholtz, Wayne, Pa.; Harry Martin, Conshohocken, Pa.; Frank R. Heavner, Norristown, Pa.

Residence, Moylan, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Wm. S. Ellis, 1628 Chestnut street, Philadelphia. Brick and plaster, 2½ stories, 54x29 feet, slate roof, hardwood floors, tile work (heating, plumbing and electric work reserved). Architects taking bids, due November 22d. The following are figuring: H. E. Grau Co., 1707 Sansom street; R. C. Ballinger

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.
622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

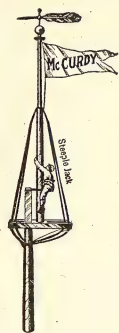
& Co., 218 North Thirteenth street; A. L. Fretz & Son, 1222 Chancellor street; James B. Plouders, 1329 Arch street; Mowbr Bros., Merion, Pa.; Herbert L. Walton, Moylan, Pa.

Store and Apartments (alt.), Broad and High streets, Bethlehem, Pa., \$8,000. Architects, Jacoby, Weisample & Weigner, Bethlehem, Pa. Owner, Angelo Tocci, Bethlehem, Pa. Brick and stucco, 3 stories, 30x65 feet, slag roof, steam heating, electric lighting, hardwood and tile floors, metal lath, dumb waiter. Architects ready for bids.

Bakery (alt. and add.), North Third street, Easton, Pa. Architect, W. Michler, Easton, Pa. Owners, Felvero Bakery, Easton, Pa. Stone, 3 stories, 57x110 feet. Architect taking bids, due November 19th. Asa Smith and A. A. Bechtel, both of Easton, Pa., are figuring.

Church, South Bethlehem, Pa., \$22,000. Architect, A. W. Leih, South Bethlehem, Pa. Owners the Russian Greek Orthodox Parish, Rev. Irodon Warshalkerech, South Bethlehem, Pa. Brick, 1½ stories, 74x40 feet, slate roof, steam heating, electric lighting, hardwood floors waterproofing and dampproofing. Plans about completed. Architect will be ready for bids in a few days.

Garage and Apartments Bethlehem, Pa. Architect, A. W. Leih, South Bethlehem, Pa. Owner, A. D. Mixsell, South Bethlehem, Pa. Brick, 2 stories, 35x25 feet, slate roof, steam heating, electric lighting. Architect about ready for bids.



FLAG POLES and Fittings

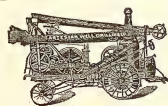
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 90-47A



Wells - Soundings Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

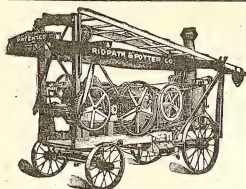
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
- PHILADELPHIA, PA.



JOHN GALLATIG Practical Brick and Stone Pointer

Old, dirty brick fronts not painted,
made like new

447 W. DAUPHIN ST., PHILA., PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

557 Bourse Building
Philadelphia, Penna.

High School, Lebanon, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, care of John Selzer, chairman Building Committee, Lebanon, Pa. Brick, 2½ stories, 180x180 feet, tile roof, dampproofing, slate blackboards, tile and marble work, concrete floors (heating, plumbing and electric work separate bids). Lowest bidder, P. W. Finn, Altoona, Pa., \$173,000.

Residence, Springfield, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owner, Edgar J. Thomas, Jr., 252 South Front street, Philadelphia. Stone, 2½ stories, 40x50 feet, tile or slate roof, electric lighting, hot water heating, parquetry floor and oak floors, tile work. Revised plans in progress.

Residence, Elkins Park, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, M. G. Paul, 135 South Fifth street, Philadelphia. Hollow tile and plaster, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due November 17th. James B. Flounders, 1329 Arch street, Philadelphia, is figuring.

Residence (alts.), Lansdowne, Pa. Architect, Edward E. Hendrickson, 925 Chestnut street, Philadelphia. Owner, John Castle Wright, Lansdowne, Pa. Consists of new porch and interior alterations. Architect taking bids, due November 20th. R. C. Ballinger & Co., 218 North Thirteenth street, are figuring.

Residence, Radnor, Pa. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, C. McM. Cadwalader, Radnor,

Pa. Hollow tile and plaster, 2½ stories, 42x56 feet, slate roof, oak coors, tile work (hot water heating, electric lighting reserved). Architect taking revised bids, due November 23rd. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; Henry L. Brown, 1714 Sansom street; James B. Flounders, 1329 Arch street; J. M. Rossiter, Radnor, Pa., and M. N. Croll, Radnor, Pa.

Residence, Narberth, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, A. C. Shand, Narberth, Pa. Brick and stone, 2½ stories, hot water heating, electric lighting, tile work. Plans about completed. Architect will take bids in a few days.

Ice Storage Building, Berwyn, Pa. Architect, Frederick J. Ritter, Seventh and Dauphin streets, Philadelphia. Owners, Bryn Mawr Ice Manufacturing Co., Bryn Mawr, Pa. Brick, steel and concrete, 50x50x65 feet, 300,000 tons capacity, slag roof. Architect taking bids, due November 24th at noon. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Herman Voigt, Twenty-eighth and Girard avenue, Philadelphia; Gray Bros., Joseph J. Graham, Wolf & Dilworth and John Worrell, all of Bryn Mawr, Pa.

Factory (add.), Pottstown, Pa. Architect, Louis Allen Abramson, 220 Fifth avenue, New York City. Owners, S. Liebovitz & Sons, 75 Leonard street, New York City. Brick, 5 stories, 46x60 feet, slag roof (heating and electric work reserved). Architect taking bids. Barclay White & Co., Perry Building, and Henry L. Brown, 1714 Sansom street, Philadelphia, are figuring.

PENNSYLVANIA Contracts Awarded

Freight House and Platform, Freeport, Pa. Architect, Wm. H. Cookman, Broad St. Station, Philadelphia. Engineer, A. C. Shand, Broad St. Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad St. Station, Philadelphia. Brick, 1 story, 74x33 feet and 150x20 feet, slag roof, metal lath, dampproofing, steam heating, electric lighting. Contract awarded to Henry Sherk Co., Century Building, Pittsburgh, Pa.

Bottling House, Norristown, Pa., \$70,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Adam Scheidt Brewing Co., Norristown, Pa. Brick, terra

cotta, concrete and steel, fireproof, 3 stories, 54x130 feet, slag roof, electric lighting. Contract awarded to Philip Haibach Const. Co., Twenty-sixth and Thompson streets, Philadelphia.

Residence (alt. and add.), Bala, Pa., \$4,700. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Wm. P. Herbert, Bala, Pa. Stone, 3 stories, slate roof, tile work, metal lath (electric work and metal weather strips reserved). Contract awarded to Alfred James, Bala, Pa.

Church, Drexel Hill, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadel-

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

phia. Owners, Drexel Hill Presbyterian Church, Drexel Hill, Pa. Stone, 1 story, 98x47 feet and 20x20 feet, composition roof. Contract awarded to J. Harry Roberts, Lansdowne, Pa.

Bridge, Morrisburg, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway Co., Reading Terminal, Philadelphia. Steel and

concrete. Contract awarded to C. M. Reimard, Bloomsburg, Pa.

Residence (alt. and add.), Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, E. R. Tatum, Haverford, Pa. Frame and plaster, consists of new porch and bathroom, shingle roof, electric lighting, tile work. Contract awarded to Michael Hatch, Bryn Mawr, Pa.

NEW JERSEY Construction News

Bungalow, Ventnor, N. J., \$3,000. Architect, Wm. S. Shull, Guarantee Trust Building, Atlantic City, N. J. Owner, Geo. C. J. Fleck, 44 North Fifth street, Philadelphia. Frame, 2 stories, 25x42 feet, slate roof, electric lighting, tile work (heating and plumbing reserved by owner). Architect has received revised bids.

Laundry Building (add.), Northfield, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City Tuberculosis Hospital, Northfield, N. J. Brick, 1 story, 24x28 feet, slag roof, steam heating, electric lighting. Owners have received bids.

Store Building (alts.), Atlantic City, N. J., \$3,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, Mrs. Theresa Cohen, 611 Broadwalk, Atlantic City. Consists of new store fixtures and lighting fixtures. Plans in progress. Architect will take bids in a few days.

Residences (4), Atlantic City, N. J. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, name withheld. Brick and stucco, 2 stories, 33x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Garage and Apartment, Atlantic City, N. J. Architect, Wm. S. Shull, Guarantee Trust Building, Atlantic City. Owner, Edward S. Lee, 147 South North Carolina avenue, Atlantic City. Brick and stucco, 2 stories, 18x25 feet, slag roof, hot water heating, electric lighting. Architect taking bids. Philip G. Hannum and Chas. D. Thompson, Atlantic City, N. J., are figuring.

School Building (alt. and add.), Montclair, N. J. Architects, Starrett & Van Vleck, 8 W. Fortieth street, New York City. Owners, Board of Education, Montclair, N. J. Brick, concrete and steel, 2 stories, slag roof, metal lath, waterproofing, composition flooring, tile work, reinforcing bars, iron stairs, kalamein doors (heating, plumbing and electric work separate bids). Owners taking bids, due November 23d. James P. Perrell & Co., 1619 Sansom street, Philadelphia, are figuring.

High School, Camden, N. J., \$400,000. Architect, Paul A. Davis, 8d, 1713 Sansom street, Philadelphia. Owners, Board of Education, Camden, N. J. Brick, stone, terra cotta and steel, fireproof, 2 stories, 250x178 feet, composition roof mechanical fan system of heating, electric lighting. Architect selected. Plans will be started at once.

Bungalow, Pine Valley, N. J. Architect, Hugh Tallant, 345 Fifth avenue, New York City. Owner, Thos. E. White, Stephen Girard Building, Philadelphia. Brick, cement blocks and frames, 1½ stories, 35x65 feet, shingle roof, steam heating, electric lighting, tile work, metal lath. Owners has received revised bids.

Factory, Boiler House and Garage, Elizabeth, N. J., \$40,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Gas Accumulator Co., Perry Building, Philadelphia. Reinforced concrete and brick, 2 stories, 60x250 feet, slag roof, steam heating, electric lighting. Archi-

tecs taking bids, due November 22d. The following are figuring: F. T. Ley & Co., Turner Construction Co., Cramp & Co., and the Amsterdam Construction Co., all of New York city; John W. Ferguson, Patterson, N. J.; American Concrete Steel Co., Newark, N. J.; and Salmond Brothers, Arlington, N. J.

Tool House and Shed, Sumner, N. J. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owners, Pin Valley Golf Club, Sumner, N. J. Frame, 1 story, 39x20 feet and 14x33 feet, shingle roof. Architect has received bids.

Water Work (add.), Ventnor, N. J. Engineer, private plans. Owners, Ventnor City, Ventnor, N. J. Hollow tile, 1 story, 42x62 feet, tile roof. Owners taking bids, due November 22d. Day & Zimmerman, 611 Chestnut street, Philadelphia, are figuring.

Residence (alt. and add.), Mays Landing, N. J. Architects, Street & Stackhouse, Drexel Building, Philadelphia. Owner, C. D. Makepeace, Mays Landing, N. J. Brick, 1 story, 30x30 feet, tin roof, and interior alterations. Plans completed. Owner will take bids.

Residence, Moorestown, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, H. U. Boureau, Moorestown, N. J. Brick, 2½ stories, 30x32 feet, shingle and tin roof, hot water heating, electric lighting, oak floors. Owners taking bids. The following are figuring: Supplee Construction and Contracting Co., Bulletin Building, Philadelphia; George W. Shauer & Son, Palmyra, N. J.; J. S. Rogers & Co., Moorestown, N. J.; W. A. Richman, Moorestown, N. J.; and H. Vennel, Moorestown, N. J.

Church, Roosevelt, N. J., \$7,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton. Owners, Church of St. Elizabeth of Hungary, care of Rev. Father Sabo. Frame, 1½ stories, 36x76 feet, slate roof. Plans in progress.

Twin Residence, Trenton, N. J., \$6,500. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owner, Charles J. Smith, 45 Lincoln avenue, Trenton, N. J. Brick and limestone, 2½ stories, 16x48 feet, slate roof, hot air heating, electric lighting, hardwood and tile floors. Owner will submit all contracts.

Stores and Apartments, Princeton avenue, Trenton, N. J., \$6,500. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, Dr. Frank Harris, 717 West State street, Trenton. Brick, 3 stories, 25x60 feet, slag roof, steam heating, electric lighting, tile and hardwood floors. Owner will submit all contracts.

Factory, East Taunton, Mass., \$15,000. Architect, J. Osborn Hunt, Interstate Telephone Building, Trenton. Owners, The Chandler Oil Cloth Co., Yardville, N. J. Brick and steel, 2 stories, 100x120 feet, slag roof, steam heating, electric lighting, steel sash. Owners taking bids.

Residence, Morris Heights, Pa., \$4,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, George Fell, Morrisville, Pa. Brick, 2½ stories, 30x31 feet, slate roof, vapor heating,

electric lighting, tile floors. Architect taking bids.

Residences (2), Rosemont avenue, Trenton, N. J., \$4,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owner, W. J. Morris, Broad Street Bank Building, Philadelphia. Brick, 2½ stories, 17x28 feet, slate and slag roof, hot water heating, electric lighting. Owner will take sub-bids.

Residences (2), Emory avenue, Trenton, N. J., \$3,000. Architect, private plans. Owner, Dominico Russo, Trenton, N. J. Brick, 2½ stories, 13x32 feet, slate roof, hot air heating, gas lighting. Owner taking sub-bids.

New Jersey

Contracts Awarded

Bungalow, Atlantic City, N. J., \$4,500. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City, N. J. Owner, Edward L. C. Bozorth, Winchester and Richmond avenues. Frame, 1½ stories, 24x42 feet, asbestos shingle roof, hot water heating, electric lighting, tile work. Contract awarded to Frank C. Smith, Atlantic City, N. J.

High School, Pleasantville, N. J., \$31,680. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Board of Education, care Webster Price, Pleasantville, N. J. Brick, stone trimmings, 2 stories, 104 x110 feet, slag roof, iron stairs, safety treads, dampproofing, kalamein doors, metal lath, slate blackboards. Contract awarded to Thompson Bros., 14 South Ohio avenue, Atlantic City, N. J.

Cottage (alts.) and Garage, Atlantic City, N. J. Architect, E. P. Durang & Son, 1200 Chestnut street, Philadelphia. Owner, Jeremiah J. Sullivan, Witherspoon Building, Philadelphia. Limestone, hollow tile and plaster, 3 stories, Garage, 1 story, 22x24 feet, slate roof, tile work, reinforcing rods. Contract awarded to John McShain, 1610 North street, Philadelphia.

Memorial Gate and Fence, Bordentown, N. J. Architect, Oliver Randolph Parny, 1631 Chestnut street, Philadelphia. Owners, Bordentown Military Institute, Bordentown, N. J. Brick, cut stone and ornamental iron. Contract awarded to E. B. Tatum, Bordentown, N. J.

Church and Sunday School, Camden, N. J. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Parkside Baptist Church, Camden, N. J. Stone, 1 story, 79x71 feet, slag roof vapor vacuum heating, electric lighting. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

Boiler House and Shed, Calhoun street, Trenton, N. J., \$4,700. Architect, private plans. Owners, The Tattersall Co., 147 North Warren street, Trenton. Brick and steel, 1 story, 35x25 feet and 20x210 feet, slag roof, electric lighting, concrete floors. Contract awarded to Newton A. K. Bugbee & Co., Inc., 206 East Hanover street, Trenton, N. J.

Residence, Pennington avenue, Trenton, N. J., \$2,000. Architect, private plans. Owner, M. M. Martinett, Trenton, N. J. Frame, 2½ stories 30x30 feet, slate roof, hot air heating, gas lighting. Contract awarded to J. H. Martinett, 901 Carteret avenue, Trenton.

If a man can make a better quality of brick than his competitors can, it is up to him to let the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

Miscellaneous Construction News

Proposals

Residence (alt. and add.), Nokesville, Va. Architect, Waddy B. Wood, 816 Conn. ave., Washington, D. C. Owner, Mitchell Harrison, Drexel Building, Philadelphia. Brick, 2½ stories, tin roof, vapor heating, electric lighting. Architect taking bids, due November 15th. Stacy Reeves & Sons, 2011 Market st., Philadelphia, are figuring.

High School, Canton, Ohio. Architect, Geo. P. Hammond, 4220 Prospect avenue, Cleveland, Ohio. Owners, Board of Education, Canton, Ohio. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 213x117 feet, composition roof, waterproofing, iron stairs, metal sash (heating, plumbing and electric work separate bids). Lowest bidders, Melody & Keating, Philadelphia, Pa., \$413,539.

Residence, Reslyn, Long Island, N. Y. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, H. P. Whitney, 120 Broadway, New York City. Frame, 2½ stories, shingle roof, hardwood and composition floors, tile and marble work, electric lighting. Plans completed. Architects ready for bids.

Residence, Claymont, Del. Architect, Leon Wilde Crawford, Odd Fellows Temple, Wilmington, Del. Owners, Mrs. George C. Hutton, 1503 W. Thirteenth street, Wilmington. Stone, 2½ stories, 28x43 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Owner taking bids. The following are figuring: A. S. Reed & Bro. Co., 815 Chipley street; John E. Healy & Son, 707 Tattall street; Egbert Futter, 6 W. Thirtieth street; Thomas Day, all of Wilmington, Del., and Wm. Bird, Claymont, Del.

Picture Theatre (add.), Wilmington, Del., \$8,000. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, United Developing Co., Wilmington, Del. Brick, 2 stories, 32x56 feet, slag roof, steam heating, electric lighting. Plans in progress.

Academy (alta), Wilmington, Del. Architect, Roscoe S. Tindall, Equitable Building, Wilmington, Del. Owners, Ursuline Academy, Wilmington, Del. Consists of interior alterations, electric wiring and plumbing. Contract awarded to Chas. J. Dougherty, 1809 Lincoln street, Wilmington, Del.

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., November 8, 1915.—Sealed proposals will be received in this office until 3 o'clock P. M. on December 18, 1915, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, lift, and approaches), of the United States post office at Middletown, Ohio. The building is two stories and basement and has a ground area of approximately 6,291 square feet. Fireproof construction, stone facing, and composition roof. Drawings and specifications may be obtained from the custodian of site at Middletown, Ohio, or at this office, at the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 10, 1915.—Sealed proposals will be opened in this office at 3 p. m., December 21, 1915, for the construction complete (including mechanical equipment, and approaches) of a one-story and basement stone-faced building of 7,264 square feet ground area, fireproof construction, composition roof, for the United office at Attleboro, Mass. Drawings and specifications may be obtained from the custodian at Attleboro, Mass., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.—Exchange.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

MARYLAND Construction News

Coal Pier, Curtis Bay, Md. Engineer, M. A. Long, B. & O. Building, Baltimore, Md. Owners, Baltimore & Ohio Railroad Co., Baltimore, Md. Concrete and steel, 700x111 feet, wood or concrete pile foundations, reinforcing bars, metal sash, metal lath, composition roof, waterproofing. Owners taking bids, due November 19th. Royhouse-Arey & Co., Fidelity Building, and Day & Zimmerman, 311 Chestnut street, Philadelphia, are figuring.

Bungalow, Montebello Park, Baltimore, Md., \$6,000. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, J. J. Elkin, Baltimore, Md. Frame, 1½ stories, 26x50 feet, slate roof, hardwood floors, hot water heating, electric lighting. Architect taking bids.

Residence, Bognell Heights, Baltimore, Md., \$5,000. Architect, J. Raymond Gering, 1811 Ashburton street, Baltimore. Owner, James A. Cockman, 1825 Appleton street, Baltimore. Frame, 2½ stories, 30x32 feet, slate roof, hot water heating, hardwood floors, electric lighting. Plans in progress.

Residences (30), Collins avenue, Baltimore, \$60,000. Architect, private plans. Owners, Welsh Construction Co., 11 East Fayette street, Baltimore. Brick, 2 stories, 14x50 feet each, slag roofs, electric lighting. Owners are sub-letting all contracts.

Y. W. C. A., Highlandtown, Baltimore, Md., \$40,000. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owners, Y. M. C. A., Baltimore, Md. Brick, steel and concrete floors, fireproof, 3 stories, 62x40 feet, gymnasium, 1 story, 48x72 feet, slag roof, steam heating, electric lighting, tile work. Plans about completed. Architect will take bids in about three weeks.

Y. W. C. A., Baltimore, Md. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Y. W. C. A., Miss Isabel Harman, secretary. Brick, stone, terra cotta, concrete and steel, fireproof. Revised plans in progress. Architect will take revised bids in about three weeks.

MARYLAND Contracts Awarded

Residence, Stevenson, Md., \$11,000. Architect, Thomas Bond Owings, 347 North Charles street, Baltimore. Owner's name withheld. Frame, 2 stories, 85x25 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Willard E. Harn, Inc., 213 North Calvert street, Baltimore, Md.

Garage, 416 North High street, Baltimore, \$20,000. Architect, John Freund, Jr., Hoffman Building, Baltimore. Owners, City Bank & Co., Equitable Building, Baltimore. Brick, steel and concrete, 3 stories, 75x100 feet, slag roof, steam heating, electric lighting, elevator. Contract awarded to Charles L. Stockhausen, National Marine Bank Building, Baltimore.

Grain Dryer, Fort avenue, Baltimore, Md., \$3,000. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore and Ohio Building, Baltimore. Steel and concrete, 3 stories, 28x47 feet, slag roof, steam heating, electric lighting. Contract awarded to J. J. Walsh & Son, 1533 Maryland avenue, Baltimore, Md.

Alts. for Apartments, 1401 West Fayette street, \$3,000. Architect, P. E. Beall, 306 St. Paul street, Baltimore. Owner, Dr. W. J. McMinn, Carey and Fayette streets, Baltimore. Fire tower, 4 stories, 8x9 feet, tin roof. Contract awarded to A. Knell, Jr., 215 St. Paul street, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Yonker D. Lit (O), Glenside, Pa. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$30,000. Factory, brick, 2 stories, 150x74 feet, American and Filbert streets.

Leonard Blumberg (O), 1016 East Susquehanna avenue. M. Zassman (C), 991 North Marshall street. Cost, \$3,000. Stable, brick, 2 stories, 30x84 feet, 1016 East Susquehanna avenue.

Hamilton J. Farrell (O), 6505 Woodland avenue. Cost, \$30,800. Fourteen dwellings, brick, 2 stories, 15x33 feet Sixty-third and Kingessing avenue.

Burton C. Simon (O), 2200 South Nineteenth street. Cost, \$1,600. Shop, brick, 2 stories, 16x38 feet, 2136 South Nineteenth street.

Louis Schneider (O), 741 Morris street. Cost, \$11,500. Four stores and dwellings, brick, 2 stories, 15x36 feet Nineteenth and Butler streets.

F. G. Fotheringham (O), 3367 Frankford avenue. Cost, \$15,000. Six dwellings, brick, 2 stories, 16x45 feet, Fillmore and Castor streets.

Frank D. Williams (O), 1838 Venango street. Cost, \$13,000. Five dwellings, stone and brick, 2 stories, 15x42 feet, Bouvier street and Pike street.

J. F. Betz Estate (O), Continental Equitable Title and Trust Building. Cost, \$28,000. Stores, Broad and Girard avenue, brick, 2 stories, 90x103 feet.

Charles E. Biddle (O), Fifty-fourth and Whitby avenue. Cost, \$114,000. Thirty-eight dwellings, brick, 2 stories, 15x40 feet, Fifty-fourth and Malcolm streets.

Samuel Korn (O), 128 South Fifty-second street. Jacob Felstein (C), Hale Building. Cost, \$7,000. Store and dwelling, brick, 3

stories, 25x50 feet, 128 South Fifty-second street.

Marshall Construction Co. (O) Media R. F. D. No. 3. Cost, \$96,500. Forty-three dwellings, brick, 2 stories, 15x39 feet, Sixty-second and Addison streets.

E. D. Ackley (O), 1300 Rockland street. Fred Graupner (C), Wagner and Tabor avenue. Cost, \$6,000. Dwelling, brick, 3 stories, 37x36 feet, Sixty-fourth avenue and Seventh street.

Warner & Scott (O), 7429 Island road. Cost, \$3,400. Two dwellings, brick, 2 stories, 14x34 feet, Chelwynde and Seventy-fifth streets.

Boross Niron (O) 2618 South Fourth street. Morris Lesse (C), 816 Winton street. Cost, \$4,500. Dwelling, brick, 3 stories, 16x53 feet, Seventh and Porter streets.

H. Y. Enburg (O) 1937 North Broad street. James C. Enburg (C), 5634 Larchwood avenue. Cost, \$43,500. Eighteen dwellings, brick and stone, 2 stories, 15x40 feet, Fifty-fourth and Walton avenue.

Wolf Rosenfelt (O), 359 Winton street. Cost, \$21,600. Nine dwellings, brick, 2 stories, 15x43 feet Eleventh and Loudon streets.

John A. Seeds (O), 615 Upsal street. I. A. Dunkelberger (C), 71 East Herman street. Cost, \$9,100. Dwelling, stone, 3 stories, 32x51 feet, Upsal and Wissahickon avenue.

State of Pennsylvania (O), Harrisburg, Pa. Fidelity Construction Co. (C), Heed Building. Cost, \$135,000. Armory, stone and brick, 2 stories, 306x80 feet, Thirty-second and Lancaster avenue.

Baldwin Locomotive Works (O), 500 North Broad street. Cost, \$100,000. Factory building, brick, 4 stories, 89x98 feet, Eighteenth and Buttonwood streets.

American Breguet Co. (O), Twenty-fifth and Washington avenue. Cost, \$800. Coal yard, Twenty-fifth and Washington avenue.

Advent Church of the New Jerusalem (O), Bryn Athyn. Bryn Athyn Stone Co., Bryn Athyn, Pa. (C). Cost, \$4,250. Church, Fifty-fourth and Wyalusing avenue.

Penn National Bank (O), Seventh and Market streets. F. L. Hoover & Son, Inc. (C), 1023 Cherry street. Cost, \$500. Store, 517-19 Ludlow street.

Father White (O), 1613 Locust street. Chas. Smith & Son (C), 5215 Haverford avenue. Cost, \$400. Dwelling, 611 North Forty-third street.

John Debroia (O), Eleventh and Spring Garden streets. Herbert Manning (C), 823 Spring Garden street. Cost, \$600. Store and dwelling, Eleventh and Spring Garden streets. Michael Boyle (C), 1524 Market street. H. L. Roberts (C), 228 North Sixteenth street. Cost, \$650. Dwelling, Lambert and Race streets.

M. Hayden (O), 1521 North Thirty-third street. Diamond Building Co. (C), 1811 Columbia avenue. Cost, \$500. Dwelling, 1521 North Thirty-third street.

L. M. Silverman & Sons (O), 2626 Martha street. H. Reusswick (C), 137 North Tenth street. Cost, \$800. Office, 2626 Martha street. A. J. Caldwell & George B. Mahan (O), Philadelphia. P. J. Hurley (C), 1233 Cherry

street. Cost, \$9,200. Two stores, 140x142 North Twelfth street.

William Bryant (O), Tenth and Washington avenue. Howard B. Shetzline (O), 2315 South Thirtieth street. Cost, \$650. Dwelling, Sartin and Shunk streets.

Thomas Meehan & Sons (O), Chew and Dorset streets. Kohl & Megarge (C), 124 East Gorgas lane. Cost, \$500. Garage, Dorset and Chew streets.

Harry Breyer (O), Ninth and Cumberland streets. John M. Hoeffe (C), 2016 North Fifth street. Cost, \$900. Bakery, 2103-07 East Somerset street.

B. Bellows (O), 4840 Hazel avenue. E. R. Sabins & Co. (C), Fifty-fourth and Cedar streets. Cost, \$675. Dwelling, 4840 Hazel avenue.

George Johnson (O), 107 Meehan avenue. John Giltar (C), 70 Sharpnack street. Cost, \$500. Garage, 19 Meehan avenue.

Ike Zukerman (O), 1213 South Seventeenth street. A. B. Luckner (C), 1727 North Fifty-first street. Cost, \$910. Dwelling, 425 Titan street.

William M. Hardt (O), 2226 North Fifty-second street. Guy Coyle (C), Merion Station, Pa. Cost, \$2,175. Garage, 2226 North Fifty-second street.

Atlas Ball Club (O), Third and Glenwood avenue. William Steele & Sons Co. (C), 1600 Arch street. Cost, \$7,000. Manufacturing building, Third and Glenwood avenue.

Joseph Diamond (O), 917 South street. A. Kirpichnoff (C), 1110 North Forty-first street. Cost, \$450. Store and dwelling, 917 South street.

O. P. B. Maguire (O), 139-41 Market street. A. P. Fram (C), 319 Market street. Cost, \$1,900. Store, 139-41 Market street.

Awatt Steam Power Mill Co. (O), Howard and Jefferson streets. Cost, \$500. Factory, Howard and Jefferson streets.

Henry F. Fuss (O), 1317 North Fifty-ninth street. I. Doude (C), 855 North Fifth street. Cost, \$475. Store and dwelling, 2642 North Eleventh street.

M. King (O), New York City. Stewart A. Jellett (C), Real Estate Trust Building. Cost, \$675. Factory, 221 Chestnut street.

F. T. Chandler, Jr. (O), Fifty-third and Drexel road. John H. McClatchey (C), Land Title Building. Cost, \$600. Garage, Fifty-third and Drexel road.

M. Ryan (O), 2425 North Fifty-third street. J. H. McClatchey (C), Land Title Building. Cost, \$600. Garage, 2425 North Fifty-third street.

John Doyle (O), 2742 Kensington avenue. Fred L. Hudson (C), 2539 Funtun avenue. Cost, \$1,400. Store and dwelling 2742 Kensington avenue.

City of Philadelphia (O), City Hall. J. H. Jordan (C), Thirty-first and Oxford streets. Cost, \$1,900. Fire house, Front and Westmoreland avenue.

Philadelphia Paper Manufacturing Co. (O), Manayunk, Philadelphia. Cost, \$2,000. Shop, Nixon and Fountain streets.

Schlichter Jute Cordage Co. (O), Erie avenue and Trenton avenue. H. U. Bourreau Co. (C), 3302 Ludlow street. Cost, \$2,000. Tank supports, Erie and Trenton avenues.

Julius Gebauer (O), Foulkrod and Horrocks streets. Kirby Building Co. (C), 6228 Walker street. Cost, \$18,000. Manufacturing building, Frankford avenue and Adams street.

I. Litz (O), 1126 North Second street. Louis Cutler (C), 610 North Second street. Cost, \$500. Store and dwelling, 1126 North Second street.

M. Bartholomew (O), 2333 North Sixteenth street. A. D. Mark (C), 721 Walnut street. Cost, \$500. Store and Factory, 712 Sansom street.

Abe Feinstein (O), 1502 East Moyamensing avenue. Charles Ardeman (C), 434 Cross

(Continued on page 742.)

Alterations and Additions

John Gustern (O) 617 Annin street. Cost, \$350. Dwelling, 617 Annin street.

Nathan Kremittus (O), 343 Dickinson street. Cost, \$500. Dwelling.

Knickelbocker Realty Co. (O), 4032 Market street. Basch & Co. (C), 1426 North Front street. Cost, \$400. Theatre, 4032 Market street.

J. C. Fuller (O), 10 South Eighteenth street. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$600. Store, 1808 Market street.

Phillip Mentz (O), 1819 North Eighth street. J. Newborn (C), 1731 North Eighth street. Cost, \$700. Store and dwelling, 1432 North Tenth street.

Toubel Bros. (O), Cedar and Huntingdon streets. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$500. Mill, Cedar and Huntingdon streets.

Salter Estate (O), 702 Crozer Building. Metz Co. (C), Waltham, Mass., and 338 North Broad street, Philadelphia. Cost, \$800. Stable, 3437 North Broad street.

Frank A. Boyer (O), Ambler and Letterly streets. Jacob Gaertner (C), 2214 North Third street. Cost, \$450. Dwelling, 2049 East Monmouth street.

Harry Coopersmith (O), p128 South Fifth street. Samuel Lesse (O), 2439 South Eighth street. Cost, \$500. Store and dwelling, Fifth and Winton streets.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd President
Joseph M. DeLone Vice-President
Louis S. DeLone Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon Editor

PHILADELPHIA, PA., NOVEMBER 17, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President *R. Clipston Sturgis, Boston
First Vice-President . *Thomas R. Kimball, Omaha, Neb.
Second Vice-President . D. Knickerbacker Boyd, Phila.
Secretary *Burt L. Fenner, New York
Treasurer *J. L. Maurar, St. Louis
Auditors *Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. E. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
R. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. OF A.

President Horace Wells Sellers
First Vice-President J. P. B. Sinkler
Second Vice-President Milton B. Medary, Jr.
Secretary Edward A. Crane
Recorder Arthur I. Meigs
Treasurer Edmund C. Evans
Executive Committee—Elliston P. Bissell,
Charles Z. Klauder, Walter H. Thomas.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

A writer in "The Craftsman" makes the somewhat interesting point that in the natural evolution which has taken place in methods of transportation, the railroad station has taken the place of the city gate, once a most important architectural feature of the approach to the community of any size. It is because this is so, because the railroad station has superseded the highway of other days, leading into the city, that the duty rests upon the railroad corporations of making the station an edifice of more than ordinary architectural impressiveness.

"The entrance to a city has been from the earliest days a point of the utmost importance, in the eyes of citizen, architect and military engineer," says "The Craftsman." "In times of war it played a vital part in defence, according as it withstood or succumbed to the besieging forces of the enemy. Equally significant was its meaning in periods of peace, when it became the nucleus of social and commercial activity. Especially was this the case in Eastern lands, where the 'gate' was—and still is in many places—the center of civic life. Here was the most important market-place, the common meeting ground where people gathered to buy and sell, to receive and exchange the news of the day. Here also was the place of justice and audience, transferred later to the gate of the ruler's palace and the official dignity is still preserved in the title of the seat of government at Constantinople—translated from the Turkish as 'The Sublime Porte.'

"Very different from those olden gates are the entrances to our modern towns and cities. Our buildings are for commerce rather than for fortification. The spirit and methods of peaceful industry, travel and traffic have supplanted those of warfare—in America, at least. Twentieth century science and invention have revolutionized our means of transportation, and developed to an amazing point of efficiency our building and engineering arts. And one of the most important of these changes has been the evolution of railroad architecture.

"France was the first country that made any attempt to combine beauty with efficiency in railroad stations, and for a long time those in Paris were the models for all other countries, as the movement spread. The Gare d'Orleans, it may be noted, was the first railroad station of any size in which trains were brought by electric power into the city.

"Within recent years, however, America has awakened to the importance of this phase of architectural engineering. As the network of shining steel has spread across our continent, like a huge cobweb, binding the cities, towns and villages by closer social and commercial ties, infusing new life into the rural districts, and cementing the interests of East and West, our stations have swiftly grown in number, size and significance. At first they

were utilitarian only, mere offices and shelters that served a practical end, built with little regard for beauty. Then, with the need for swifter and more extensive transportation, newer and more efficient methods took the place of the old-fashioned ways, and the construction of the stations as well as of the locomotives, cars and tracks became more scientific. The growth of cities, the increase in population, the growing bulk of traffic, involved problems of a more complex nature, the solution of which called forth all the genius of architect and engineer—until to-day, the erection of a successful city terminal represents an achievement of the greatest civic importance as well as the highest artistic skill. Some idea of the magnitude of the problems presented may be gained from the fact that the final plans of the Grand Central Terminal in New York were not completed for ten years—so many alterations and improvements were needed to keep pace with new developments in this many-sided art.

"Along with such practical railroad progress in America has come another important change. Architectural beauty has also been evolved. This has been due partly to the efforts of individual architects and real estate companies, and partly to the general awakening of public interest in city planning and civic improvement. The station and its grounds and likewise the railroad bridges have received aesthetic as well as technical consideration; their value as architectural and landscape features has been realized; their possibilities for artistic and harmonious treatment have been studied, both separately and with relation to the surrounding buildings and grounds. The result has been the erection of stations and bridges and the planting of station gardens which have added definite beauty and value to the community.

* * *

"W. Symmes Richardson—of the firm of McKim, Mead & White, architects of the Pennsylvania Station—speaking recently of modern developments in railroad architecture, pointed out that it was in this station that the raised platform was used for the first time in America to any extent, the whole equipment having been changed in order to make this possible. 'The Pennsylvania Station,' he added, 'is the first in this country in which incoming and outgoing traffic has been separated, although this has long been recognized as the ideal abroad. And here it is divided not only to different sides of the station, but to different levels.'

"In addition to electrification, elimination of grade crossings, improvements in cars and application of 'safety first' principles, another important factor has influenced the progress of modern railroad architecture—namely, the public interest in civic buildings, and the demand for greater beauty in country and town. To this general feeling the railroad

companies and their architects have splendidly responded, in many instances taking the initiative and setting an example for the community which has inspired its future development along attractive architectural lines.

"Turning to the larger and more pretentious types of railroad architecture, we find a tendency toward the employment of classic design, both as to the general form and the minor structural and ornamental features. This is only natural, for the larger a building, the more it seems to belong in the field of civic architecture, and a great railroad terminal devoted to the public service lends itself naturally to a dignified, impressive classic form. To quote Mr. Richardson again: 'Any building which is successfully designed and worthy of note should express as far as possible, and in a nattering and beautiful manner, its use in its external appearance; and, architecturally, an ideal station would be a building of monumental and beautiful character, forming a suitable gateway to a large city, and at the same time suggesting the idea of transportation and beauty.'

"The most imposing and monumental terminals in this country are those of Washington and New York. In each case the building, as a unit, has been handled in a broad, dignified manner, with well-balanced masses and harmoniously treated walls and openings, and with just enough decorative detail to give grace to the solid contours and severely simple lines. Different in design, but equally significant and impressive in its achievement, is the Pennsylvania Station. The classic colonnade, the immense entrances, the great central hall—the whole building, in fact, command some's admiration for its beauty of proportion and excellence of detail, aside from its significance as a feat of architectural and engineering skill.

"Though so vastly different from the gates of olden times, these stations have retained one characteristic feature. In their lofty halls and long arcades are to be found not only the familiar ticket, baggage, telegraph and telephone offices, newsstands and restaurants, but a wide variety of other shops in which the traveler can purchase almost every conceivable article of necessity or luxury—from books and flowers to Japanese kimonos and Persian rugs. In this, at least, we find an echo of the bazars and market-places that were clustered around the ancient city gates. And though the picturesque costumes and vivid colors, the sunlight and the blue skies of those Eastern scenes are lacking, those who have 'eyes to see' may nevertheless find our great modern gateways rich in architectural beauty, human interest and romance.

"In our appreciation of the comfort and convenience for which twentieth century transportation has become synonymous, and in our respect for the splendid work accomplished in this branch of civic building by the railroads, their architects and engineers, let us remember the workers whose actual labor carried forward to completion such

gigantic undertakings, and made possible such architectural beauty. And lest we might perchance forget, let us lift our eyes sometimes to the words that are carved above a certain entrance in the Grand Central Terminal: 'To all those who with head, heart and hand toiled in the construction of this monument to the public service, this is inscribed.'

A rather novel point of view to one whose thoughts do not run along the accepted architectural groove. When next you come to regard admiringly the splendid proportions of the great modern railway station, try to remember it as an evolution of the city gate of an older civilization.

Chicago seems determined to keep abreast with the rest of the world. Recently the Mayor in a communication addressed to the City Council, recommended that the sum of \$5,000 be appropriated annually for the purchase of paintings and work of plastic art, the productions of artists and sculptors who have been residents of Chicago for at least two years prior to such purchase. These purchases may be placed in the City Hall, the public schools or other city buildings. It is proposed that the selection of these works of art should be made by a commission of seven, three to be selected by the Municipal Art League, one by the Friends of American Art, one of the Palette and Chisel Club, and the seventh by the Mayor of Chicago. In presenting this suggestion, Mayor Harrison said that while Chicago stands in the front ranks of progressive cities, it has done nothing to encourage local art. This is a step in the right direction, and is one that may be well followed by other municipalities, comments the "National Builder." Art is as necessary as an ordinary education, for the purposes of civilization; to the classes, it is the music of Nature.

This idea of fostering local talent is one that will appeal to the average citizen. Every community has its quota of struggling young men of promise in the field of the arts. What sounder method could be devised of encouraging these than the setting aside of a modest amount yearly for the purchase of works of art that reach a qualifying standard?

ARCHITECTURAL NOTES.

Active steps are at last to be taken to carry out the meticulous terms of the bequest of the late Mrs. J. Bunford Samuel to the City of Philadelphia. Her will provides a large sum of money to be devoted to the erection of twenty statues, of life or heroic size, on the east bank of the Schuylkill River, in the Park, between Girard avenue bridge and the boat houses. The statues are to represent personalities connected with the early history of Philadelphia. The Fairmount Park Art Association has confided the problem, with

all its attendant details, to Edgar V. Seeler, architect, and Charles Grafty, sculptor, who are to prepare tentative plans for its solution.

Frank Koester, consulting engineer and city planning expert of New York, has been chosen by the City Planning Commission of Allentown, Pa., a city of 62,000 inhabitants, to develop an entire plan for the future development of the city along engineering, architectural and landscaping lines. Mr. Koester has had a long experience in the developing of German cities along similar lines, and has been active in America for thirteen years. During his stay in Allentown he will give an exhibition and illustrated lectures on city planning. He is the author of a number of treatise on city planning and allied subjects.

Owen Brainard, of Architects Carrere & Hastings; J. H. Freeland, Kenneth Murchison and Walter B. Chambers made up the committee of the New York Chapter of American Institute of Architects, which recently completed a survey of school buildings in New York City and an examination into the operation of the Building Bureau. The survey required three years and confirms the efficiency of C. B. J. Snyder, architect of the Board of Education.

Members of the Architectural Club of Erie, Pa., have criticized the Board of Education of that city severely for choosing W. B. Ittner, a St. Louis architect, to prepare plans for the new high school building. The club has taken no official action, according to President C. Paxton Cody.

Jordan Green, architect, Essex Building, Newark, N. J., has been retained by the Committee of One Hundred, in charge of the celebration of the 250th anniversary of the City of Newark, to design the various decorations for this event. The work will include the decoration of public buildings, illuminations of streets, erection of arches and colonnades and the supervision of the decorations on the private buildings.

New Jersey Chapter of the American Institute of Architects at its recent annual meeting elected the following officers to serve during the ensuing year: Henry Baechlin, Newark, President; B. Colt, Elizabeth, First Vice-President; Gilbert C. Higbie, Newark, Second Vice-President; John D. Capen, Newark, Treasurer, and Hugh Roberts, Jersey City, Secretary.

Paul E. Bertrand, Jr., an architect and civil engineer, with offices at 717 Walnut street, Philadelphia, Pa., died of a complication of diseases at his home Thursday, October 28. Mr. Bertrand had been ill for nearly eighteen months. He was 28 years old and unmarried.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



ALTERATIONS AND ADDITIONS.

(Continued from page 739.)

street. Cost, \$400. Dwelling, 1502 East Moyamensing avenue.

John Muller (O), 2552 North Fourth street. Matthew Morrison Co. (C), 2322 North Howard street. Cost, \$650. Dwellings, 1840-52 East Cornwall street.

The man who is "going to do some advertising next year—maybe" gets his advertising in the end in the shape of an obituary.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers 'stick' year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

INTERNATIONAL TRADE CONFERENCE

HOTEL ASTOR, NEW YORK CITY, DECEMBER 6, 7 AND 8, 1915.

The program for the International Trade Conference will include first, the problems affecting international credit, foreign exchange and transportation, covering such specific subjects as:

Commercial Credit and the Need of Extending Suitable Terms to Foreign Customers and the Risk Involved;
Acceptances by Foreign Banks and Negotiability of this Paper;
Discounting Bills for Shipments to Foreign Countries;
Accepting Drafts Against Shipments to Foreign Countries;
Accepting Drafts Against Shipments from Foreign Countries;
Letters of Credit and Revolving Credits;
Influence of American Investments in Foreign Countries;
Status of American Corporations in Foreign Countries;
Status of Foreign Securities in the United States;

Relation of Currency to Exchange and Present Basis of Exchange with Foreign Countries;
The American Dollar as a Standard in International Trade;

American Railroads and Their Relation to Foreign Trade;

Ocean Transportation Under Present Conditions;

Free Ports for Oversea Commerce—Are They Desirable?

Commercial Treaties and Their Relation to American Commerce Before and After the War.

These matters will be presented and discussed by international and national authorities, and opportunity afforded to those wishing to discuss the subjects to take part in the discussion.

Secondly, there will be provision made for discussion by experts of special phases of the problems here presented, such as securing credit information, methods of salesmanship and advertising.

Exhibits will also be made in an annex having special reference to the subjects to be discussed and illustrating them in a graphic manner. Especial attention will be paid to domestic ports and general transportation systems.

A dinner will be held at the Hotel Astor on the evening of December 7, which will be addressed by representatives of various countries.

Delegates or representatives have already been appointed by many trade organizations in the United States and by a number of Chambers of Commerce and banks in foreign countries.

Details of the program with names of speakers will be published in a later issue of this magazine. The general committee is indicated below:

Manufacturing Interests.

(Members of N. A. M.)

George Pope, Pope Manufacturing Co., Hartford, Conn.
W. C. Allen, President, Yale & Towne Mfg. Co., New York.
George H. Barbour, Vice-President, Michigan Stove Co., Detroit, Mich.
F. R. Briggs, Treasurer, Thos. G. Plant Co., Boston, Mass.
John A. Campbell, President, The Trenton Pottery Co., Trenton, N. J.
L. A. Carton, Treasurer, Swift & Co., Chicago, Ill.
W. H. Cottingham, President, Sherwin-Williams Co. Cleveland, O.
Richard H. Edmonds, Editor, "Manufacturers' Record," Baltimore, Md.
C. C. Hanch, Treasurer, Studebaker Corp., South Bend, Ind.
Alvin Hunsicker, Secretary, Standard Oil Cloth Co., New York.
C. R. Johnson, President, Union Lumber Co., San Francisco, Cal.
Frederick J. Koster, President, California Barrel Co., San Francisco, Cal.
George E. Long, Vice-President, Joseph Dixon Crucible Co., Jersey City, N. J.
M. A. Oudin, Manager, Foreign Department, General Electric Co., Schenectady, N. Y.
J. Scott Parrish, Treasurer, Richmond Cedar Works, Richmond, Va.
H. K. Porter, President, H. K. Porter Co., Pittsburgh, Pa.
J. W. Rawle, Vice-President, J. G. Brill Co., Philadelphia, Pa.
Edwin C. Shaw, Vice-President, B. F. Goodrich Co., Akron, O.
Ernest G. Swift, General Manager, Parke, Davis & Co., Detroit, Mich.

Transportation Interests.

George D. Dixon, Vice-President, Pennsylvania Railroad Co., Philadelphia, Pa.
P. J. Flynn, Vice-President, Delaware, Lackawanna and Western Railroad Co., N. Y.
Fairfax Harrison, President, Southern Railway Co., Washington, D. C.
Julius Krattschnitt, Chairman, Executive Committee, Southern Pacific Co., New York City.
W. E. Mullins, General Manager, Freight Department, United Fruit Co., New York.
A. H. Smith, President, New York Central Lines, New York.

Banking Interests.

John Clausen, Manager, Foreign Exchange Department, Crocker National Bank, San Francisco.
F. Abbot Goodhue, Vice-President, First National Bank, Boston, Mass.
W. S. Kies, Vice-President, National City Bank, New York.

David H. G. Penny, Vice-President, Irving National Bank, New York.

Charles H. Sabin, President, Guaranty Trust Co., New York.

The Secretary of the General Committee is W. M. Benney, manager of the Foreign Trade Department of the National Association of Manufacturers.

MEASURING SLATE WORK.

In view of the discussion which has occurred at intervals in the past regarding the proper measurement of slate work, the following comments on the custom prevailing in the Manchester district, England, and which appeared in a London contemporary, may be interesting to American readers:

"Here slating is taken in yards super. Net area of the roof from eaves to the ridge by length is measured. The linear dimension of the eaves is taken for extra to eaves, and nothing is taken for the finishing course at the ridge. Hollows over 6 feet super are deducted, and a labor item given for hollows, or the measurement for cutting given. Under 6 feet super no hollows are given or cutting measurement taken; the measurement of the slating stands as an equivalent.

"Bevel cutting to gutters and walls is measured in feet linear for labor and waste. Bevel cutting to valleys and hips is measured for single cutting; that is, the two edges of the valley or hip are measured.

"If hips are close mitered and pointed they are so stated, and verges are measured linear for pointing, slate creasing, or any particular finish. If slate and half is used for verges, hips or valleys it is mentioned in the cutting item as feet linear. Single cutting to hips, including slate and half-ridges and hip tiles, is measured linear. Stops, miters, finials, foot irons, etc., are numbered stating any particular design or finish required.

ACCIDENTS THAT COULD HAVE BEEN PREVENTED.

Accidents are occurring every day in the building industry that have no business to happen. While some hazards are necessary and builders must face them, the majority of accidents result from carelessness.

In "American Industries" for October quite a list of actual accident cases are cited—some in the building and woodworking line, some in other branches of industry. They paint a much too common picture, and point a moral that every one of our readers should grasp and take home to himself.

An employee working in a coal conveyor gallery violated the rule requiring the use of goggles and advanced for his so doing the reason that he had expected to be there but a short time. His reason was not good in this case and did not prevent a piece of flying coal from becoming imbedded in his eye.

It is always best to be careful first.

A fitter after setting a meter failed to make the usual test after turning on the gas, and consequently did not discover a leak that

caused a personal injury to the consumer as well as damage to his property when a lighted match was used to search for it.

Forgetfulness has caused many a train wreck, many a catastrophe, so be careful not to forget to perform all of your duty and not only part of it.

A gin pole was left lying in such a position that it protruded into a roadway between two buildings in a works yard, with the result that an employee fell over the pole and was injured.

Here happened an accident for which there was no reason except inexcusable carelessness.

An employee while using gasoline struck a match to light a cigarette. An explosion followed, causing severe burns.

Comment is unnecessary in this instance.

Meter repairer was soldering a meter and the solder came in contact with some water, causing it to "pop" into his eye.

As moisture is likely to be present in meter seams, goggles are suggested for use while doing this kind of work.

Employee was holding bar while another was striking with sledge. He missed the bar and struck the employee holding the bar over the eye.

Had tongs been used to hold the bar, the accident would not have occurred.

A main ditch was shored properly except at one point. This particular point caved and an employee was carried into the ditch with the earth and injured.

If the trench had been completely shored, this accident would have been avoided.

STATE BUILDING CODES.

Only Six States Have Building Laws in Force.

Addressing the recent convention of the Fire Marshals' Association of North America, Insurance Commissioner J. R. Young, of North Carolina, said:

"There are only about six States that have, or, as far as I am advised, are attempting to have, State building codes, viz., Ohio, Wisconsin, Illinois Pennsylvania New York and North Carolina.

"1. Ohio.—The State of Ohio has adopted a very complete code that enters into all details. It demands construction of the first type and gives the same in detail. The code is no doubt based largely on the code usually used by large cities and gotten out by the National Board of Underwriters. It appears to leave no discretionary powers in the inspector, or any local or State officer. While I have been able to obtain no data as to how well this code is being enforced, I should say from my experience that it could be enforced and would operate well in large cities, but not easily in small cities or towns.

"2. Wisconsin.—The Wisconsin State Building Code is not a statute, but is based upon a statute calling for 'safe' construction and authorizing the Industrial Commission of Wisconsin to fix the standards, rules, etc. The

code is general in its terms and does not enter so much into details as does the Ohio code. The statute appears to be enacted in 1913 and the code promulgated in 1914.

"3. New York.—New York has no State building code, but allows the Labor Department, through its industrial board, to promulgate rules and regulations for fire prevention and safety in factories.

"4. Illinois.—In Illinois a code has been reported through a commission appointed to revise and codify the building laws, but it has not been enacted into a law. This code, like the Ohio law, enters very much into details.

"5. Pennsylvania.—My information is that Pennsylvania is working on a State building law, but so far has not accomplished anything in the way of its enactment into a law.

"6. North Carolina.—The State building law was enacted in North Carolina in 1905. The law, while by no means a perfect code, has operated well and been of great service to the citizens of the State, and greatly improved the character of buildings being erected throughout the State."

RANDOM TRADE NOTES.

—Nicholas S. Hill, Jr., consulting engineer, 100 William street, New York City, has been awarded the 1914 prize by the Society of Municipal Engineers of the City of New York for his paper, "Valuation of Public Utilities."

—Bath Portland Cement Co., at the recent meeting of its Board of Directors, elected J. F. Twamley a member of the Board and Second Vice-President of the company, with headquarters at 1182 Broadway, New York.

—Alfred D. Flinn, deputy chief engineer of the Board of Water Supply, has been appointed a delegate to represent the Municipal Engineers of the City of New York at the Pan-American Scientific Congress, to be held in Washington, D. C., December 27-January 8.

—Mosaic Tile Company, Zanesville, O., has moved its New York office from 30 West Twenty-fourth street to larger quarters at 35 West Thirty-fifth street. At the new location the concern will have an elaborate show room, where a complete line of the materials manufactured by them will be displayed.

—Aberthaw Construction Company, specialist in reinforced concrete and industrial buildings, dams and water power developments, has moved its main office from 8 Beacon street to the Niles Building, at 27 School street, Boston, Mass.

—John H. Gregory, of the firm of Hering & Gregory, consulting engineers, 170 Broadway, New York, delivered a paper before the Albany Society of Civil Engineers at its meeting held Tuesday, October 26. Mr. Gregory's subject was "Sewage Disposal with Special Reference to Present Day Practice."

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

KEEPING THE AIR IN CIRCULATION.

There has been more or less outcry against the practice of keeping the air in a house warmed by a furnace in constant circulation. Those who made it will be somewhat startled by the investigations which seem to lead to the conclusions that within reasonable limits a human being does not pollute an atmosphere in which life is maintained to an extent to require it to be constantly changed. Careful investigation seems to show that it is more important to adjust the temperature and humidity to the needs of those occupying the rooms than it is to remove the air and renew it. Whatever those who desire to argue the question may advance or ignore, the fact remains that there are a large number of homes in the sections of the United States in which the climate is most severe and in which during the winter season the air within them is kept in circulation and the only change of air in these houses is due to leakage through doors, around windows and through the walls. It would seem that the time-honored practice in cold climates is to be vindicated by the searching study that is now being given to the effect of air in health and what is positively needed in the way of ventilation. Builders and furnacemen can doubtless add something to the facts bearing on the situation by observing the health of those who live in homes warmed by furnaces supplied with air from the inside. They can also induce some of their patrons to add water evaporating equipment to their furnaces and learning how their service affects health, comfort and the temperature maintained in these homes. All careful observations seem to indicate the need of more moisture and better heat control rather than more air, disquieting as this may be to the fresh-air enthusiasts.—"The Building Age."

FLOOR SURFACES IN FIREPROOF BUILDINGS.

In discussing floor surfaces in the fireproof buildings, Sanford E. Thompson states that the selection of the type of floor is dependent on the character of the structure, the nature of the wear, and the architectural appearance. Every building must be considered by itself. Suggestions for the type of surface to select are covered in the following paragraphs:

As a preliminary guide, the material suitable for different conditions may be given as:

Basements.—Granolithic finish with troweled surface made with approved materials and workmanship.

Factory Floors.—Granolithic finish with troweled surface; hardwood.

Machine Shops.—Granolithic finish with troweled surface; hardwood on substantial base.

Ground Floors for Heavy Manufacturing.—Wood block; granolithic.

Warehouses.—Granolithic with troweled surface; asphalt composition; hardwood.

Offices.—Hardwood; linoleum on concrete; magnesium composition.

Corridors and Halls for Institutions and Office Buildings.—Terrazzo; granolithic finish with ground surface.

Entrance Pavilions.—Terrazzo; mosaic; tile; natural stone.

Class Rooms, Lecture Rooms and Drawing Rooms.—Linoleum on concrete; granolithic with ground surface; hardwood; magnesium composition.

Laboratories.—Granolithic with troweled surface; magnesium composition; tile; hardwood.

Lavatories.—Terrazzo; granolithic finish with ground surface; tile.

The above selections are given in the order in which choice might be made for the average building or room of each class.

A UNIQUE FACTORY BUILDING.

One of the most unique structures among the building improvements recently completed in the city of Chattanooga, Tenn., is the main building of a stamping and enameling plant, consisting of one room 100x300 feet in size into which are built ovens for treating steel in its different stages during the process of enameling. One of the distinctive features of this main building is the creosoted wood block floor which is said to be the only one in Chattanooga constructed of that material. The wooden blocks are supported by a concrete base something after the manner of street paving work. Hundreds of panes of glass in the walls and roof give the interior of the building abundance of light and permit of thorough ventilation.

Another feature is the ample provision for sanitary draining of foundations and toilet fixtures. The gases from the enameling ovens are conveyed through underground conduits to the steam boiler and consumed as fuel.

The building was designed by W. H. Sears and erected by M. K. Wilson, of Chattanooga, Tenn.

A MONSTER CANNON BALL OF GRANITE.

A century ago the Turks had the largest cannon in Europe. They actually used a gun that fired a shot weighing 800 pounds. When Sir J. Duckworth, the British commander, passed the Dardanelles to attack Constantinople in 1807, his fleet was dreadfully shattered by the immense shot thrown from the batteries. The Royal George, of 110 guns, was nearly sunk by one one shot, while another cut the mainmast of the Windsor Castle almost in two. A single shot knocked two ports of the Thunderer into one. The Repulse (74 guns) had her wheel shot away and twenty-four men killed and wounded by a shot, the ship being saved only by the most wonderful exertions. The heaviest shot which struck the British ships was of a granite, weighing 800 pounds, and was twenty-six inches in diameter. One such shot, to the astonishment of the tars, stove in the whole starboard bow of the Active; and, having crushed this immense mass of timber, the shot rolled ponder-

ously aft, the crew standing aghast at this singular spectacle. One of these big guns was cast in brass. It was composed of two parts, it breach resting against massive stonework, and the difficulty of charging such a monster would not allow of its being fired more than once.

VERMONT MARBLE.

We are told that "the greatest marble-producing industry in the world is no longer to be found in the famous Carrara district of Italy, but in Vermont, where one of the richest veins in the world stretches in an irregular line across the State. So great is the production of marble in this section that the inhabitants have lost much of their appreciation of its value, and use it for such humble and utilitarian purposes as paving, underpinning for barns, hitching posts, stepping stones, and drinking troughs for horses. This vein is about fifty-seven miles long, from 1,650 to 2,200 feet in width, and from it is being taken in enormous quantities white marble that is equal to the finest Italian marble, as well as an endless variety of blue, yellow, green and jet-black marble."

"For quarrying and furnishing the marble, the most up-to-date methods and equipment are used, no part of the work being done by hand that can possibly be done by machinery," says the "Popular Mechanics Magazine." "Hand methods of drilling, still in vogue in Italy, have been entirely superseded by power-driven drills and channeling machines. The blocks as they come from the quarry are handled by derricks, and are conveyed in most cases by an inclined railway or ropeway to the mills."

AN UNUSUALLY LONG FLAGSTAFF

Within recent years many long flagstaves have been reported, but the latest candidate for first place grew in British Columbia and is Douglas fir, 216 feet in length, according to Consul General R. E. Mansfield, at Vancouver, B. C., who recently made a special report concerning it. In its original state the stick was 5 feet in diameter at the butt and 14 inches in diameter at the top, but dressed into shape the staff has a diameter of 32 inches square at the butt for a distance of 16 feet. For the next 100 feet it is octagonal in shape, and for the last 100 feet it is round. The upper 200 feet is a gentle taper from 32 inches to 12 inches in diameter. The old Douglas fir flagstaff at the Kew Botanical Gardens just out of London, England, and which the new stick is to replace, was for many years the tallest in the world. It was recently taken down on account of decay. The tallest now in existence is said to stand in the Exposition grounds at San Francisco.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co., Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Artists' and Architects' Supplies.

Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Aolph Christensen, 1433 Brown st.
John Gallatig, 447 W. Dauphin st., Phila.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

James P. Farrell & Co., 1619 Sansom st.
Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ransstead st., Phila.

Builders' Iron Work.

James G. Madden, Franklin Bank Bldg.
W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.,
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co.,
New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., and Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1119 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

James G. Madden, Franklin Bank Bldg.
W. E. Wark & Co., 1737 Filbert st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.,
and 627 Market st., Phila.

Marble Mosaic.

Belfi Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon,
1355 Colwyn st., Phila., Pa.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon,
1355 Colwyn st., Phila., Pa.

Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board.

Ceil Board.

The Philip Carey Co.,
13th and Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility."

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.

Barrett Mfg. Co.,

New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip (o.
Geo. R. C. Johnston, Drexel Bldg., Phila.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

IMPERVITE receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.



A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit. Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg., NEW YORK
Peoples Gas Bldg., CHICAGO
Beacon Building, BOSTON

FOR RESULTS

Advertise in THE BUILDERS' GUIDE

Reaches Architects, Builders and Owners

JOHN P. COGHAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



KNICKERBOCKER LIME COMPANY.
MANUFACTURERS OF
Wood Burnt LIME

MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

**Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail**

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 47.

PHILADELPHIA, WEDNESDAY, NOVEMBER 24, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere

Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.

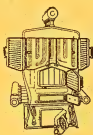


Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA., PA.

—MILLS—



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

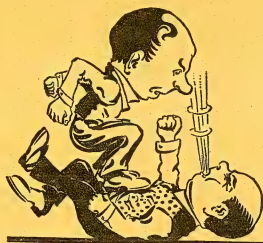
Best by test.

Ask for information

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.
Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS
Shops, Rochester, Pa.

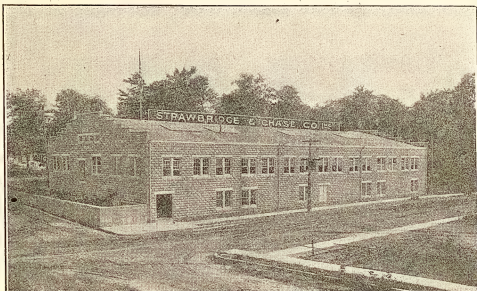
District Representative

JAMES G. MADDEN
1011 Franklin Bank Building

Bell Phone, Walnut 4844
Keystone Phone, Race 2118

Philadelphia, Pa.

Wire Work



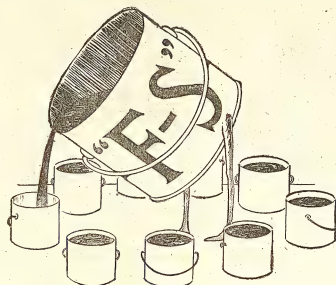
THIS IS WHERE WE MAKE EVERYTHING IN WIRE

Wire and Iron Work of Every Description—Brass, Copper, Steel and Galvanized Wire Cloth—Wire Window Guards—Wire Partitions and Stock Room Enclosures—Wrought Iron and Brass Grilles—Wrought Iron Window Guards—Brass Banking Fixtures—Radiator Guards—Coal and Sand Screens—Sieves and Riddles—Elevator Car Enclosures.

Audubon Wire Cloth Co., Inc.

ROBERT T. KORB, President HENRY H. COLLINS, Vice-President
WM. H. EGEE, Secretary and Treasurer

General Offices and Factory, AUDUBON, N. J.



"F-S" Products satisfy every demand.

When you want an exceptionally good, durable finish to please discriminating people, specify "F-S" Mission Finishes. They are easily applied without danger of lapping or setting while brushing out. They come in a great variety of permanent colors.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(119)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

Has your work ever been held up on account of slow delivery of BRICKS?

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

Complete line of Clay Products, including Face Bricks, Hard Bricks, Sewer Bricks, Flue Linings, Sewer Pipe, Roofing and Floor Tile.

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES

Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

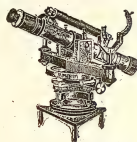
Contractors and Builders

ALTERATIONS

: JOBBING

Bell, Spruce 4419

Keystone, Race 3210



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sunshade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15 to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 8808, 3604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting
ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON
 WORK
 CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 47.

PHILADELPHIA, WEDNESDAY, NOVEMBER 24, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Market House (alt.), Second street, Fairmount avenue to Brown street. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Frame, 1 story, slag and tin roof, rolling steel doors (plumbing separate bids). Lowest bidder, James Connor, 1317 Arch street, Philadelphia, \$9,385.

Factory Building, Passyunk avenue and Schuylkill avenue, \$15,000. Architect, private plans. Owners, United Gas Improvement Co., Broad and Arch streets. Steel and concrete, 1 story, 65x123 feet, tile roof, electric lighting. Work started. Owners are sub-letting.

Residence (alts.), 1920 Diamond street, Philadelphia. Architect, Jacob Fieldstein, Hale Building, Philadelphia. Owner's name withheld. Brick, 3 stories, hot water heating, electric lighting, tile work, hardwood floors. Architect taking sub-bids.

Pier Superstructure, McKean street, Philadelphia, \$500,00. Engineers, Department of Wharves, Docks and Ferries, Bourse Building. Owners, City of Philadelphia, John Meigs, Director, Bourse Building. Brick, steel, terra cotta and concrete, fireproof, double deck, 900x250 feet, slag roof, waterproofing, expanded metal, steel sash, safety treads, proposal bond. Owners taking bids, due December 6th at noon. In addition to those previously reported, Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Factory (add.), Phillis street, above Jefferson street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Harry & William Tutelman, on premises. Brick, 2 stories, 80x34 feet, slag roof, fire doors, iron stairs (heating and electric work reserved). Owners are sub-letting all contracts.

Church (alts.), Carlisle and Dauphin sts., Philadelphia. Architect, J. W. Thompson, 703 South Sixth street, Philadelphia. Owners, First Church of the Brethren, Rev. George D. Kuns, 2260 North Park avenue, Philadelphia. Metal lath, electric lighting (steam heating reserved). Builder, Thomas C. Trafford, 1613 Sanson street, is taking sub-bids.

Residences (62), Angora street and Coob's

Creek Parkway. Architect, private plans. Owner, R. H. Pugh, 5713 Market street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Owner will take sub-bids in about 60 days.

Passageway, Sixty-fifth and Callowhill sts., Philadelphia. Architects, E. F. Durang & Son, Twelfth and Chestnut streets, Philadelphia. Owners, St. Donato's R. C. Church, Rev. Pietro Michetti, on premises. Slag roof, concrete floors, metal lath, fire doors. Architects have received bids.

Cafe (alts.), 298 Hermitage street, Philadelphia. Architects, Penckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Joseph Bege, 85 Wister street. Consists of general interior alterations. Architects taking bids, due November 24th. The following are figuring: William H. Eddleman & Son, 453 Green Lane, Roxborough, E. L. Cuthbertson, 334 Roxborough avenue; Keller Bros., 480 Harmon road, Manayunk, Philadelphia.

Residences (370), Duncannon avenue, C street and Boulevard. Architect, private plans. Owner, John W. Shisler, Second and Durfor streets, Philadelphia. Brick, 2 stories, 15x48 feet, slag roof, hot water heating, hardwood floors. Plans in progress.

Flats (alts.) and Garage, Twenty-sixth and Jefferson streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, William F. Brey, Pennsylvania Building, Philadelphia. Brick, 2 stories, slag roof, tile work (heating reserved). Architect has receive bids.

Foundry (add.), Frankford avenue and Vandyke street, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Schneider Bowman Co., on premises. Brick, 2 stories, 18x75 feet, slag roof, steel sash (plumbing, heating and electric work reserved). Architects have received bids.

Residence (alts.), Twenty-fifth and Aspen streets, Philadelphia. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owner, William Reiner, on premises. Brick, 2 stories, tile work, hot water heating,

electric lighting. Architects have received bids.

Residence, Upsa 1st street, near Wissahickon avenue, \$12,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, J. Morban Lister, 5612 Germantown avenue, Philadelphia. Brick and stone, 2½ stories, 30x52 feet, slate or shingle roof, hot water heating, electric lighting, oak floors. Architect taking bids, due November 24th. The following are figuring: Peoples Bros., Twenty-fifth and Callowhill streets; William J. Grubler & Co., 219 East High street; Charles Johnson, 5701 Boyer street; I. A. Dunkelberger, 71 East Herman street; Sutton & Stephenson, 1317 Washington avenue; A. Whitehead, Inc., 1624 Latimer street; Specht & Sperry, Heed Building; F. B. Davis, 240 North Sixteenth street, Philadelphia.

Residences (57) and Garages (32), Fifty-ninth and Chestnut streets, Philadelphia. Architect, private plans. Owners, Kenin & Shapiro, 6030 Market street, Philadelphia. Brick, 2 stories, 16x70 feet and 16x54 feet; garage, 12x18 feet, 1 story, slag roofs, hot water heating, electric lighting, hardwood floors, tile bath rooms. Plans in progress. Owners will take sub-bids in about one week.

Nurses' Home (alts.), Eighth and Pine sts., Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, Trustees of the Pennsylvania Hospital, Eighth and Pine streets. Consists of alterations to basement for dining rooms, electric lighting, oak floors, marble and terrazzo work. Architects taking bids, due November 24th. R. C. Ballinger & Co., 218 North Thirteenth street; Frank E. Wallace, 1220 Chancellor street, are figuring.

Residences and Garages (31), Fifth street and Northeast Boulevard. Architect, E. Allen Wilson, 1205 Chestnut street, Philadelphia. Owner, A. Sonnenfeld, 39 South Cecil street, Philadelphia. Brick, 2 stories, slate roofs, hot water heating, electric lighting, hardwood floors. Plans in progress. Architect and owner will take sub-bids in about ten days.

Residences (50), Broad and Hoyt streets, Philadelphia. Architect, private plans. Owners, Charles H. Shetzline & Co., Broad and

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

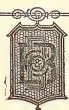
Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative,
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazzo and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and
Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ "
face. End matched, hollow
backed, and bored for secret
nailing.

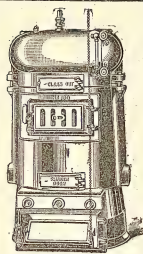
Longer lengths, better grade
and will cover more floor space
than any other Hardwood
Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take
you to inspect WACCAMAW GUM
WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The NEW Round

ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean
the freedom from annoyance, and the assurance of a comfortably
heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you
request.

McKean streets. Brick, 2 stories, 16x48 feet,
slag roof, hot water heating, electric lighting,
hardwood floors. Plans in progress.

Stores and Apartments, Broad and York
road. Architect, E. Allen Wilson 1208 Chestnut
street, Philadelphia. Owner, William O.
Mahon, 4817 Old York road. Brick, stone
trimmings, 3 stories, slag roof, steam heating,
electric lighting, hardwood floors, tile work.
Plans in progress. Owner will take sub-bids.

Residences (64), Sixty-sixth and Limekiln
pike, Philadelphia. Architect, E. Allen Wil-
son, 1208 Chestnut street, Philadelphia. Own-
ers, Model Building Co., care of Harry Kuem-
merle, 310 Morris Building, Philadelphia.
Brick, 2 stories, slag roof, hot water heating.
Plans in progress. Owners will take sub-
bids in about two weeks.

Apartment House, Broad and Wyoming ave-
nue, Philadelphia. Architect, private plans.
Owner, Dr. G. L. Harrison, Sixteenth and Di-
amond streets, Philadelphia. Brick, 5 stories
and basement, 75x178 feet, will contain 45
housekeeping flats. Details not decided.
Plans about completed.

Pier Superstructure, McKean street, Phila-
delphia, \$500,000. Engineers, Department of
Wharves, Docks and Ferries, Bourse Building,
Philadelphia. Owners, City of Philadelphia,
John Meigs, Director, Bourse Building. Brick,
steel, terra cotta and concrete, fireproof, dou-
ble deck, 900x252 feet, slag roof, waterproof-
ing, expanded metal, steel sash, safety treads,
proposal bond. Owners taking bids, due De-
cember 6th at noon. In addition to those
previously reported, F. J. Boas, 201 North
Broad street, is figuring.

Factory, 1220 to 1224 Spring street, Phila-
delphia. Architects, Sauer & Hahn, 1112
Chestnut street, Philadelphia. Owner, Bern-
ard Eschner, president, M. Rice & Co., 1220
Race street. Reinforced concrete and brick,
4 stories, 54x100 feet, slag roof, steam heat-
ing, electric lighting, elevator, metal sash.
Plans completed. Architects will take bids in
a few days.

Church and Sunday School, Thirteenth and
Rockland streets, Philadelphia, \$40,000.
Architects, Noff & Thames, Heed Building,
Philadelphia. Owners, Bishop Foss Memorial
M. E. Church, Rev. Richard Turner, 5319
North Thirteenth street, Philadelphia. Stone,
1 story, 100x125 feet, slate roof, steam heat-
ing, electric lighting. Plans about completed.
Architects will take bids in about one week.

Mill and Power House, Reed and Dickinson
streets, Twenty-fifth to Twenty-sixth streets.
Engineers, William Steele & Sons Co., 1600
Arch street, Philadelphia. Owners, S. B. &
B. W. Fleisher, Eighth and Chestnut streets,
Philadelphia. Reinforced concrete and brick,
3 or 4 stories, will occupy one whole block of
ground, composition roof, steam heating, elec-
tric lighting, elevators, metal sash. Plans in
progress.

Warehouse and Offices (alts.), 140 and 142
South Front street, Philadelphia. Architects,
Magazine & Potter, 603 Chestnut street,
Philadelphia. Owners, Coffin & Gillmore, on
premises. Brick, 4 stories, consists of general
interior alterations. Plans about completed.
Architects will take bids in about one week.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Club' House, Indiana avenue and Hancock
street, 6,500. Architect, private plans. Own-
ers, Kensington Quoit Club, on premises.
Brick, 2 stories, 32x63 feet, slate roof, steam
heating, electric lighting. Contract awarded
to William Marriott, 233 West Somerset street,
Philadelphia.

Hospital and Power House, Fifty-third and
Cedar avenue, Philadelphia, \$256,000. Archi-
tects, E. F. Durang & Son, 1200 Chestnut
street, Philadelphia. Owners, The Miseri-
cordia Hospital, care of Sisters of Mercy, Merion,
Pa. Brick, stone, steel and concrete, fireproof,
7 stories, 50x220 feet, power house, 1 story,

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
30 and 35 Pearl Street, Boston, Mass.**Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores**

promenade tile roof, concrete fireproofing, metal lath, tile and marble work (heating, plumbing and electric work and elevators reserved). Contract awarded to John McShain, 1610 North street, Philadelphia.

Warehouses (2), Nineteenth and Glenwood avenue. Architect, private plans. Owners, Hale & Kilburn Co., on premises. Brick, 1 story, 50x270 feet and 65x90 feet, slag roof. Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Hall and Tenement House, 3718 to 3724 North Fifth street, \$10,500. Architect, private plans. Owners, Tongwa Tribe, No. 210, I. O. R. M., care of William H. Sterner, 3614 North Marshall street, Philadelphia. Brick, 3 stories, 60x70 feet, slag roof, steam or hot water heating, dumb waiter. Contract awarded to Birkelbach & Co., 4608 Richmond street.

Bridge, Bourse Building, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Thirteenth and Arch streets, Philadelphia. Steel, reinforced concrete, metal lath, electric lighting, vault lights. Contract awarded to F. W. Van Loon, Denekla Building, Philadelphia.

Business Building (alts.), 1252 North Broad street, \$1,200. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, A. Paul De Sanno, 1232 Race street, Philadelphia. Brick, 4 stories (heating, plumbing, electric work and tile work reserved). Contract awarded to Loos & Dothard, Commercial Trust Building.

Office Building and Shed, Federal and Reed streets, \$19,178. Architect, William H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Office building, brick, 2 stories, 30x85 feet; shed, 1 story, 20x50 feet, slag roof, steam heating, electric lighting, composition flooring, reinforcing rods, glassproofing, metal lath. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

Sunday School, Longshore and Hagerman streets, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Tacony M. E. Church, Rev. Cornelius Hudson, 3424 Diston street, Philadelphia. Stone, 2 stories, 59x85 feet, slate roof, electric lighting, wire lath (heating, steam separate bids). Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

Garage, Stable and Warehouse, Tenth and Chelton avenue, Philadelphia. Architect, private plans. Owners, The Texas Co., Morris Building, Philadelphia, and J. L. Bero, Const. Engr., Tenth and Chelton avenue, Philadelphia. Garage, frame, 1 story, 24x32 feet;

warehouse, 2 stories, 30x40 feet; stable, 2 stories, 28x32 feet, Texas roof (electric work and elevator reserved). Contract awarded to M. L. Conneen, 2015 Cuthbert street, Philadelphia.

Stable and Garage, Ninth and Cumberland streets, Philadelphia, \$70,000. Architects, Koelle, Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., on premises. Reinforced concrete and brick and terra cotta, 4 stories, 75x127 feet, slag roof, safety treads, steam heating, electric lighting, elevator, steel sash, metal lath, rolling steel doors, reinforcing rods. Contract awarded to Koelle, Speth & Co., Twenty-sixth and Oxford streets, Philadelphia.

Film Building, 1235 Vine street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick, 1 story, 20x90 feet, slag roof, steam heating, electric lighting. Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Office Building (alts.), 421 Walnut street, \$15,000. Architect, private plans. Owners, Franklin Fire Insurance Co., on premises. Consists of general remodeling of interior for offices, steam heating, electric lighting. Contract awarded to Roydhouse-Arey & Co., Fidelity Building, Philadelphia.

Cooper Shop and Boiler House, 326 Brown street, \$6,000. Architect, private plans. Owner, William H. Cooper, 712 North Third street, Philadelphia. Brick, 1 and 2 stories, 16x52 feet and 40x30 feet, slag roof, steam heating, electric lighting. Contract awarded to Joseph Levin Co., 1130 South Sixth street, Philadelphia.

Truck Factory, Seventeenth and Buttonwood streets, Philadelphia. Architect, private plans. Owners, Baldwin Locomotive Works, 500 North Broad street, Philadelphia. Brick and steel, concrete, 4 stories, 90x98 feet, slag roof, reinforcing bars (electric work and heating reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Machine Shop, 2215-17 Race street, Philadelphia, \$4,500. Architect, private plans. Owner, Harry T. Saunders, 31 South Eighth street, Philadelphia. Brick, 1 story, slag roof, electric lighting. Contract awarded to Herman Voight, Twenty-eighth and Girard avenue, Philadelphia.

"The Guide" is now covering Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia, Ohio and Illinois. And it's growing, growing, growing.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.**BUILDING CONSTRUCTION****1215 Filbert Street, Philadelphia**

*We please architects and satisfy owners
Both will recommend our work.*



**Does Your
Roof Leak?**

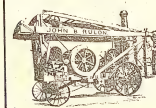
Tin and Slag

Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.**2615-17 Frankford Ave. - Phila., Pa.**

ESTABLISHED 1866

**WELLS DRILLED****Test Borings****Ask for Prices****JOHN B. RULON****1355 Colwyn Street
Philadelphia, Pa.**

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

HEATING**BOWERS BROS. & CO.****Real Estate Trust Building****Philadelphia, Pa.**

Gas Talks For Builders

We use the greatest care in buying what we sell, and you can buy only what we can guarantee.

We could sell gas appliances which do not satisfy us, but we don't. When we sell you one appliance or a dozen, we are, therefore, able to stand back of every statement and promise we make.

Let us co-operate with you. We have ideas that will save you money. Call up our Builders and Operators Division.

Telephones
Bell-Filbert 2191; Keystone-Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

THE FAIRBANKS CO. PHILADELPHIA

VALVES AND SCALES

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

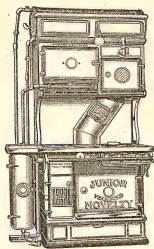
Full Size Drawings Furnished
114 & ONTARIO STS., 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"Junior Yearound Novelty"

COMBINATION COAL AND GAS RANGE

Of the same general construction as our famous "YEAR-ROUND NOVELTY," but smaller; built to meet the demand for a high class Combination Range, but one which would require less space and selling at a lower price.

COMPACT : COMPLETE : CONVENIENT

WRITE FOR LITERATURE

Made in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

PENNSYLVANIA

Construction News

High School, Lancaster, Pa., \$150,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Board of Education, Lancaster, Pa. Brick, stone trimmings and steel, fireproof, 3 stories, mechanical heating system, electric lighting, concrete floors, slate blackboards. Plans about completed. Owners will advertise for bids in about 3 weeks.

Club House, York, Pa., \$60,000. Architects, Gemmill & Billmeyer, York, Pa. Owners, Loyal Order of Moose, 148 York, Pa. Brick, stone trimmings, 4 stories, 29x240 feet, slag roof, steam heating, electric lighting, tile work, composition floors, metal lath. Plans in progress.

Residence, York, Pa., \$6,000. Architects, Gemmill & Billmeyer, York, Pa. Owner, Curtis Stetzel, York, Pa. Brick, 2½ stories, 30x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Parish House (alt. and add.), York, Pa., \$10,000. Architects, Gemmill & Billmeyer, York, Pa. Owners, St. John's P. E. Church, Rev. Arthur Taylor, York, Pa. Brick, 2 stories, 35x40 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Hershey, Pa., \$7,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Joseph Snively, Hershey, Pa. Stone and shingle, 2½ stories, 30x40 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

Bungalow, Lima, Pa. Architect, I Newton Ploumder, Media, Pa. Owner, J. Harvey Smith, Media, Pa. Stone, 1½ stories, 32x77 feet, asbestos shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due November 27th. The following are figuring: James B. Ploumder, 1329 Arch street, Philadelphia, and Wesley Worrlow, E. E. & A. L. Ploumder and Charles Pratt, all of Media, Pa.

Residence, Melrose, Pa. Architect, private plans. Owner's name withheld. Stone and frame and plaster, 2½ stories, 42x28 feet, shingle roof, electric lighting, oak floors, tile work. Builder, Thomas C. Trafford, 1613 Sansom street, Philadelphia, taking sub-bids, due November 26th.

Hotel, Eddystone, Pa., \$150,000. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, Remington Hotel Co., care of architects. Brick, steel, stone trimmings, 7 stories, 50x120 feet, slag roof, steam heating, electric lighting, tile work, concrete fireproofing. Plans in progress. Architects will take bids in about 3 weeks.

Club House (alt. and add.), South Lawndale, Pa. Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets. Owners, Curtis Publishing Co., Sixth and Walnut streets, Philadelphia. Stone and rough cast, 2 stories. Details not yet decided. Plans in progress.

Stable (alt. and add.), Haverford, Pa. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, T. De Witt Cuyler, Commercial Trust Building, Philadelphia. Stone and frame, 2 stories, slate roof, electric lighting, composition floors. Architects have received bids.

Residence and Garage, Norristown, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Birnie Pearson, Norristown, Pa. Brick and rough cast, 2½ stories, 40x44 feet, slate roof, hot water heating, electric lighting, artesian well, tile work, oak floors. Architect has received bids.

Garage and Servants' Quarters, Bristol, Pa. Architect, Charles J. Brooke, 513 Federal street, Camden, N. J. Owner, C. L. Anderson, Bristol, Pa. Hollow tile and plaster, 2 stories, 28x38 feet, slate roof, electric lighting (heating reserved). Architect taking bids, due December 1st. E. J. Kreitzburg, 1345 Arch street, Philadelphia, is figuring.

Factory and Power House, Pottstown, Pa. Engineer, M. N. Shoemaker, Union Building, Newark, N. J. Owners, National Rubber Co., Pottstown, Pa. Reinforced concrete, factory, 5 stories, 170x134 feet; power house, 1 story, 120x47 feet, slag roof, waterproofing, reinforcing bars, safety treads, iron stairs, steel sash, kalamein doors (heating and electric work reserved). Engineer has received bids.

Residence, Wallingford, Pa. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owner, T. Elwood Allison, Media, Pa. Stone, 2½ stories, 44x54 feet,

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

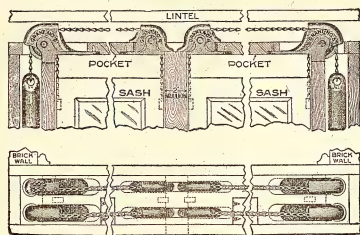
Ceil-Board
SUPERSEDES PLASTER FOR WALLS AND CEILINGS

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

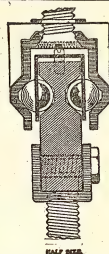
Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts.



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.
Is easily installed and quickly adjusted.
Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W, 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

shingle roof, hot air heating, electric lighting, tile work, oak floors. Architects taking bids, due November 26th. The following are figuring: Metzger & Fisher, Denekla Building; R. C. Ballinger & Co., 218 North Thirteenth street; James B. Flounders, 1329 Arch street; Graham-Campion Co., Heed Building; James H. Wells, Heed Building, Philadelphia.

Gardener's Cottage, Abington, Pa. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owner, Mrs. Richard H. Harte, 1503 Spruce street, Philadelphia. Stone, 2 stories, 41x45 feet, shingle roof, hot air heating, waterproofing. Architects taking bids, due November 26th. The following are figuring: Specht & Sperry, Heed Building, Philadelphia; W. John Stevens, Wyncote, Pa.; E. D. Lever, Jr., Abington, Pa.

Hotel, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick, stone trimmings, 3 stories, slag roof, steam heating, electric lighting, tile work. Plans about to be started.

High School, Lehighton, Pa., \$80,000. Architect, E. Z. Scholl, 30 North Sixth street, Reading, Pa. Owners, Board of Education, G. F. Rehrig, secretary, Lehighton, Pa. Brick, 2 stories, 120x130 feet, composition roof (electric lighting, heating and plumbing separate bids). Plans completed. Owners are taking bids.

Residences (6), Reading, Pa. Architect, private plans. Owner, S. S. Riekenbach, Reading, Pa. Brick, 2 stories, 12x42 feet each, tin roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Residence, Wallingford, Pa. Architects, Hunting & Shrigley, 603 Chestnut street, Philadelphia. Owner's name withheld. Stone, 2½ stories, shingle roof, electric lighting. Plans about completed. Architects will take bids in about one week.

Distillery, Chester, Pa. Engineers, Wadleigh & Osborne, Real Estate Trust Building, Philadelphia. Owners, Stewart Distilling Co., 254 South Third street, Philadelphia. Concrete and steel. Engineers have received bids on foundations.

Residence and Garage, Bryn Mawr, Pa., \$150,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, C. Hartman Kuhn, Franklin Bank Building, Philadelphia. Brick and stone, 2½ stories. De-

tails not yet decided. Architect selected. Plans about to be started.

Residence, Melrose, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, Dr. J. T. Bunting, 6410 Germantown avenue, Philadelphia. Stone, 2½ stories, 48x23 feet, wing 16x19 feet, slate roof, tile work. Architects taking sub-bids.

Residence (alts.), City Line, Bala, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, George L. Wells, Bala, Pa. Consists of two new bath rooms and interior alterations. Architect taking bids, due November 24th. The following are figuring: E. J. Hedden, Finance Building; John E. Kearney, 327 North Sixty-third street; Mower Bros., Merion, Pa.; P. J. Lawlor, Bala, Pa.; Alfred James, Bala, Pa.

Picture Theatre, Glenside, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, W. T. B. Roberts & Son, Glenside, Pa. Brick, 1 story, 45x115 feet, slag roof, steam heating, electric lighting, metal lath. Plans in progress.

Residences (3), Elkins Park, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, M. G. Paul, 135 South Fifth street, Philadelphia. Hollow tile and plaster, 2½ stories, slate or tile roofs, hot water heating, hardwood floors, tile work. Architects taking sub-bids.

Stores (6), Norwood, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, L. Bishton Botfield, 703 Chestnut street, Philadelphia. Tapestry brick, 1 story, slag roofs (6), hot air furnaces, electric lighting, tile work. Architects taking bids, due November 26th. The following are figuring: James P. Farrell & Co., 1619 Sansom street; D. J. McNamee, 1621 North Fifteenth street; M. Roy Sheen, 450 North Wilton street; W. McVickers, Norwood, Pa.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones. —Exchange.

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



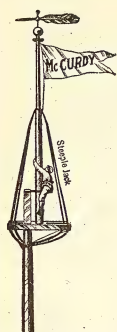
Mill Work
Star Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG.
YORK : PA.



FLAG POLES and Fittings

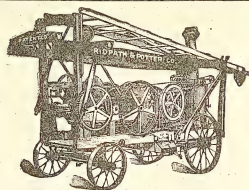
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA

Contracts Awarded



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



Farm Buildings, Bryn Mawr, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Edwin L. Blabon, Bryn Mawr, Pa. Stone, frame and plaster, 1 and 2 stories. Consists of stable, 33x68 feet; garage and chauffeur's house, 30x95 feet; gate lodge, 28x48 feet, and several farm buildings, tile and shingle roofs, cork bricks, metal lath, electric lighting (plumbing and heating reserved). Contract awarded to Gray Bros., Rosemont, Pa.

Residences (7), Lancaster, Pa., \$21,000. Architect, J. B. Harman, Lancaster, Pa. Owner, Dr. E. S. Snyder, 425 North Queen street, Lancaster, Pa. Brick, 3 stories, 17x48 feet each, tin and slag roofs, hot air heating, gas and electric lighting. Contract awarded to Ray Clark, Lancaster, Pa.

Garage, Reading, Pa. Architect, private plans. Owner, Howard Francis, 212 Penn street, Reading, Pa. Brick, 1 story, 38x60 feet, tin roof, electric lighting, concrete floors. Contract awarded to Charles H. Schlegel, Reading, Pa.

Town Hall, Schuylkill Haven, Pa., \$6,000. Architect, Wayne M. High, Moore Building, Reading, Pa. Owners, Borough of Schuylkill Haven, Robert Hoffman, chairman, Schuylkill Haven, Pa. Brick and steel, 2 stories, 36x44 feet, slate roof, steam heating, electric lighting, metal lath. Contract awarded to Wm. H. Bashore & Sons, Schuylkill Haven, Pa.

Residence and Garage, Merion, Pa. Architects, Day & Kaluder, 925 Chestnut street, Philadelphia. Owners, John F. Braun, Real

Estate Trust Building, Philadelphia. Brick, stone and rough cast, 2½ stories, 60x117 feet, tile roof, electric lighting, tile work, hardwood floors. Contract on carpenter work, mill work, stone work, concrete and fireproofing, stone work, etc., awarded to Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Residence (alt. and add.), Haverford, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, Wilfred Lewis, Haverford, Pa. Stone, 2½ stories, shingle roof, tile work, oak floors. Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Distillery, Chester, Pa. Architects, Wadleigh & Osbourn, Real Estate Trust Building, Philadelphia. Owners, Stewart Distilling Co., 254 South Third street, Philadelphia. Consists of a group of 6 buildings, concrete, brick and steel. Warehouse, 100x100 feet; still house, 45x60 feet; fermenter house, 50x75 feet; engine house, 25x50 feet; boiler house, 50x33 feet; denaturing house, 100x50 feet. Contract for concrete foundations awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia. Plans in progress for superstructure.

Residence, Glenside Highlands, Pa. Architect, Oliver Randolph Parry, 1631 Chestnut street, Philadelphia. Owner, J. Thompson Riday, Jr., 735 Arch street, Philadelphia. Frame and rough cast, 2½ stories, shingle roof, steam or hot water heating. Contract awarded to C. M. Hill, Roslyn, Pa.

NEW JERSEY

Construction News

JOHN GALLATIG Practical Brick and Stone Pointer

Old, dirty brick fronts not painted,
made like new

447 W. DAUPHIN ST., PHILA., PA.

Residences and Garages (3), Atlantic City, N. J. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Gustav Muller, 2014 Girard avenue, Philadelphia. Brick and frame, 2 stories, asbestos shingle roof, hot water heating, electric lighting. Architects taking bids, due November 29th. The following are figuring: Freund-Siedenbach

Co., Bulletin Building, Philadelphia, and John W. Emery, C. S. Murland, C. D. Thompson, E. Ellsworth Smith, A. B. Bowen, all of Atlantic City, N. J.

Stores and Offices, Atlantic City, N. J., \$60,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City. Owner, Mary A. Riddle Co., Atlantic City, N. J.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.
9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Brick and concrete and steel, 2 stories, 79x150 feet, slag roof, steam heating, electric lighting, dampproofing. Builders, Irwin & Leighton, 126 North Twelfth street, Philadelphia, taking sub-bids on superstructure.

Bungalow (add.), near Mt. Holly, N. J. Architect, E. D. Salter, 4907 Wynnefield avenue, Philadelphia. Owner, Albert Hall, 4910 Wynnefield avenue, Philadelphia. Frame, 1 story, 36x17 feet, shingle roof. Architect has received bids.

Wood Working Mill, Front and Camac streets, Camden, N. J. Architect, private plans. Owners, C. B. Coles & Sons Co., Front and Kaighn avenue, Camden, N. J. Brick, 2 stories, 80x140 feet, slag roof, steam heating, electric lighting. Owners are building and are sub-letting all contracts.

Residences (7), Wayne avenue, Camden, N. J. Architect, private plans. Owner, Harrison Davis, 225 River road, Camden, N. J. Brick, 2 stories, 14x29 feet each, slag roofs. Owner is sub-letting all contracts.

Residences (4), Decatur street, Camden, N. J. Architect, private plans. Owner, Peter Kovalenko, 1228 Chase street, Camden, N. J. Brick, 2 stories, 14x40 feet, slag roofs, hot air heating, gas lighting. Owner is sub-letting all contracts.

Apartment House, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City. Owners, W. G. Taylor & Sons, Guarantee Trust Building, Atlantic City, N. J. Brick, 3 stories, 47x82 feet, slag roof, steam heating, electric lighting, tile work. Owners are taking sub-bids.

Residence (remodeling), Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Frame, 2½ stories, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due November 29th. The following are figuring: Stewart L. Maines, Moorestown, N. J.; George W. Shaner, Palmyra, N. J., and H. G. Hinchman, 223 Arch street, Philadelphia.

Residences (2), Maple avenue, Trenton, N. J., \$6,500. Architect, private plans. Owner, Charles J. Smith, 45 Lincoln avenue, Trenton, N. J. Brick, 2½ stories, 16x34 feet, slate and tin roof, hot water heating, electric lighting. Owner is sub-letting all contracts.

Residence, Parkside avenue, Trenton, N. J., \$4,500. Architect, private plans. Owner, Irwin M. Subberly, Hollywood and Mervine streets, Trenton. Frame, 2 stories, 28x38 feet, slate roof, hot water heating, electric lighting. Owner taking sub-bids.

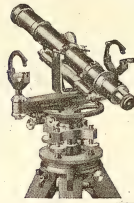
Power House (add.), Trenton, N. J., \$85,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital, Trenton, N. J. Brick and steel, 1 story, 44x71 feet and 24x24 feet, slag roof, steam heating, electric lighting, concrete floors, 150-foot brick stack, four 264 H. P. boilers. Plans in progress.

Laundry Building (add.), Trenton, N. J., \$1,500. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey Home for Girls, Trenton, N. J. Brick, 1 story, 15x28 feet, slag roof, steam heating, electric lighting, composition floors, hollow tile fireproofing. Plans in progress.

Fire House (add.), Morris Plains, N. J., \$15,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital, care of C. M. Bowen, Morris Plains, N. J. Brick, 2 stories, 41x32 feet, slag roof, steam heating, electric lighting, composition floors. Plans in progress.

Residence, Trenton, N. J., \$12,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, David S. South, 145 East Hanover street, Trenton, N. J. Brick, 2½ stories, 34x56 feet, slate or tile roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Plans in progress.

Apartments (alt. and add.), Hanover street, Trenton, N. J., \$4,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Samuel W. Pryor, Trenton,



WHEN YOUR TAPE LINE BREAKS

don't throw it away! Send or bring it to us. We make a specialty of this work, supplying missing parts where necessary. When you call, ask to see the 1916 Model

"Sterling" Convertible Builders' Level

Designed and Made by

WARREN-KNIGHT COMPANY

136 N. TWELFTH STREET, PHILADELPHIA

All makes Transits and Levels repaired, bought, sold, and exchanged.

N. J. Brick, 3 stories, slag roof, steam heating, electric lighting, metal lath. Architects taking bids, due November 24th. The fol-

lowing are figuring: Charles Smith, Seeger & Sons, Ed. La Rue, William Ivins, Burton & Burton, all of Trenton, N. J.

NEW JERSEY

Contracts Awarded

Tool House and Shed, Sumner, N. J. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Pine Valley Golf Club, Sumner, N. J. Frame, 1 story, 39x20 feet and 14x33 feet, shingle roof. Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Factory, 1134 South Front street, Camden, N. J. Architect, private plans. Owners, American Art Glass Co., on premises. Brick, 1 story, 18x45 feet, slag roof, electric lighting. Contract awarded to Elias Harman, 1261 Sheridan street, Camden, N. J.

Church, Trenton, N. J., \$12,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Italian Baptist Church, Trenton, N. J. Brick, 1 story, 39x70

feet, slate roof, steam heating, electric lighting, metal lath. Contract awarded to Burton & Burton, American Mechanics' Building, Trenton, N. J.

Factory (add.), New York avenue, Trenton, N. J., \$8,000. Architect, private plans. Owners, The Bellmark Co., on premises. Brick, 2 stories, 36x71 feet, slag roof, steam heating, electric lighting. Contract awarded to William Musson, 637 Monmouth street, Trenton.

Residence, Maple avenue, Trenton, N. J., \$3,700. Architect, private plans. Owner, W. N. Cooper, First National Bank Building, Trenton, N. J. Frame, 1½ stories, 30x40 feet, slate roof, gas lighting. Contract awarded to J. G. & V. W. Willey, Trenton, N. J.

Miscellaneous Construction News

Garage, Wilmington, Del., \$20,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner, Dr. Stephen McKee, 816 Market street, Wilmington, Del. Brick and steel, 2 stories, 46x152 feet, slag roof, steam heating, electric lighting, gasoline storage system. Owner is taking sub-bids.

Garage (add.), Wilmington, Del., \$10,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Tourist Garage Co., Wilmington, Del. Brick, 2 stories, 40x130 feet, slag roof, steam heating, electric lighting, concrete floors, gasoline pump and storage system. Contract awarded to William

Schoolmaster, Wilmington, Del.

Residence, Roslyn, Long Island, N. Y. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, H. P. Whitney, 120 Broadway, New York City. Frame, 2½ stories, 64x31 feet; wing, 33x43 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Architects taking bids, due November 30th. The following are figuring: J. R. Hill, Westbury Station, Long Island; George Mertz Sons, Port Chester, N. Y.; Charles T. Wills, Inc., 286 Fifth avenue, New York City; J. Dall Construction Co., 10 East Twenty-third street, New York City.

MARYLAND

Construction News

Garage and Offices (alt. and add.), 13-15 Harrison street, Baltimore, Md. Architect, Otto G. Simonsen, Maryland Casualty Tower, Baltimore, Md. Owner, George W. Rife, Maryland Casualty Tower, Baltimore, Md. Brick, concrete floors, 2 stories, 50x56 feet, slag roof, electric lighting. Architect taking bids. The following are figuring: West Construction Co., Knickerbocker Building; Cowan Building Co., 106 West Madison street; Fred Decker & Son, 1213 East Biddle street; Cogswell-Koether Co., 406 Park avenue; C. E.

Stubbs, Equitable Building, Baltimore, Md.

Residence, Rupton, Md., \$30,000. Architect, James R. Edmunds, Jr., 12 East Read street, Baltimore. Owner, James P. Hooper, 839 University Parkway, Baltimore. Brick and stone, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids. The following are figuring: Cowan Building Co., 106 West Madison street; G. Walter Tovell, Etutaw and McCulloch streets; Arthur F. West, 15 East Fayette street; Milton C. Davis, 633 North

Calvert street; Gladfelter & Chambers, 729 Roland avenue, all of Baltimore, Md.

Club House, southeast corner of Cathedral and Mt. Royal streets, Baltimore. Architect not selected. Owners, Automobile Club of Baltimore, 12 West Mt. Royal avenue, Baltimore. Stone, brick and steel, 3 stories, 53x83

feet. Owners are receiving preliminary plans. **Residence**, Baltimore, Md. \$5,000. Architect, J. Raymond Gering, 1811 Ashburton street, Baltimore. Owner, James A. Cockman, 1825 Appleton street, Baltimore. Frame, 2½ stories, 30x32 feet, slate roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

MARYLAND

Contracts Awarded

Foundry, Sparrows Point, Md. Architect, private plans. Owners, Maryland Steel Co., Sparrows Point, Md. Brick and steel, 1 story, 75x625 feet, slag roof, reinforced concrete floors, electric lighting. Contract awarded to West Construction Co., Knickerbocker Building, Baltimore, Md.

Residence (alt. and add.), Guilford, Md., \$5,000. Architects, Elliott & Emmart, Union Trust Building, Baltimore, Md. Owner, Dr. Hugh H. Young, Professional Building, Baltimore. Contract awarded to Gladfelter & Chambers, 722 Roland avenue, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Hale & Kilburn Co. (O), Nineteenth and Glenwood avenue. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$23,000. Two Warehouses, brick, 1 story, 57x272 feet and 66x106 feet, Nineteenth and Glenwood avenue. Savar & Huysman (O), 718 Snyder avenue. Cost, \$2,500. Dwelling, brick, 2 stories, 15x43 feet, Spruce and Coob's Creek Boulevard.

Morris Estate (O), Overbrook, Pa. John J. Murphy & Co. (C), 1139 South Wilton street. Cost, \$21,000. Stone and brick, 3 stories, 31x50 feet, two dwellings, Seventy-first and Overbrook avenue.

Roman & Felix (O), 40 North Willow Grove avenue. Cost, \$4,000. Two dwellings, stone and brick, 2 stories, 15x37 feet, Devon and Abington avenue.

Rimer & Byers (O), 4842 Hawthorne street. Cost, \$6,000. Two dwellings, brick and stone, 3 stories, 15x52 feet, 1214½ Harrison street.

Frank D. Williams (O), 1838 Venango street. Cost, \$13,000. Five dwellings, stone and brick, 2 stories, 15x42 feet, Bouvier and Pike streets.

Daniel E. Hogan (O), 5249 Walnut street. Cost, \$11,500. Five dwellings, brick, 2 stories, 15x42 feet, Sixty-second and Osage avenue.

E. E. Cullen (O), 5710 Thomas avenue. Cost, \$42,000. Twenty dwellings, stone and brick, 2 stories, 16x34 feet, Sherman and Pomona streets.

William H. Ashton (O), 5618 North Second street. Cost, \$18,850. Seven dwellings, brick and stone, 2 stories, 15x43 feet, Mascher and Olney avenue.

Rev. E. F. Prendergast (O), Eighteenth and Race streets. John McShain (C), 1610 North street. Cost, \$40,000. School and chapel building, stone, 2 stories, 61x120 feet, Sixty-second and Cedar avenue.

Joseph Stewart (O), 215 Monastery avenue. Cost, \$2,000. Dwelling, brick and stone, 2 stories, 16x44 feet, 213 Monastery avenue.

Kensington Quoit Club (O), Indiana avenue and Hancock street. William Marriott (C), 233 West Somerset street. Cost, \$6,500. Club house, brick, 2 stories, 32x62 feet, Indiana avenue and Hancock street.

U. G. I. Co. (O), Broad and Arch streets. Cost, \$15,000. Manufacturing building, steel and concrete, 1 story, 65x123 feet, Passyunk avenue and Schuykill avenue.

C. Humphreys (O), 635 Watts street. A. J. Sickel (C), Trevoze, Pa. Cost, \$3,200. Dwelling, brick, 2 stories, 36x27 feet, Herschell avenue and Southampton road.

A. McBain (O), Camac and Courtland sts. Cost, \$92,000. Twenty-seven dwellings, brick, 2 stories, 15x41 feet, Camac and Courtland streets.

Stahl & Carson (O), Ella and Wyoming sts. Frank K. Stahl (C), 2713 North Park avenue. Cost, \$42,500. Twenty-five dwellings, brick and stone, 2 stories, 16x32 feet, Ella and Courtland streets.

J. Silberman (O), 812 Snyder avenue. Cost, \$12,000. Two dwellings, brick and stone, 3 stories, 18x60 feet, 445½ Old York road.

George Beiermeister (O), 7420 I street, Fox Chase. Cost, \$2,600. Dwelling, concrete, 2 stories, 16x62 feet, Claridge and Bleigh streets.

Emil P. Stahl (O), 4818 North Fourth street. Cost, \$4,000. Two dwellings, brick, 2 stories, 16x43 feet, 216-18 Loudon street.

Dr. C. V. Glemmer (O), Twelfth and Sixty-sixth avenue. George Kessler Cont. Co. (O), Drexel Building. Cost, \$10,000. Dwelling, garage, stone, 3 stories, 42x37 feet, Twelfth and Sixty-sixth avenue.

William H. Cooper (O), 712 North Third street. Joseph Levin Co. (C), 1130 South Sixth street. Cost, \$13,200. Boiler house and cooper shop, brick, 1 and 2 stories, 16x52 feet and 40x80 feet, 326 Brown street.

Fred A. O'Brien (O), 1925 North Twenty-fifth street. A. M. Torrey (C), Ashland, N. J. Cost, \$18,000. Six dwellings, brick, 2 stories, 15x42 feet, Sixth and Columbia avenue.

American Ice Co. (O), Sixth and Arch streets. Turner Concrete Steel Co. (C), 1713 Sansom street. Cost, \$61,000. Four buildings, brick and concrete, 1 and 2 stories, 48x34 feet, 80x89 feet, 30x168 feet and 36x47 feet, Belfield avenue and High street.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$25,000. Ten dwellings, brick, 2 stories, 15x42 feet, Sixty-second and Sansom streets.

Tonguwa Tribe, No. 210, I. O. R. M. (O), Sixth and Venango streets. Birkelbach Co. (C), 4608 Richmond street. Cost, \$10,500. Hall and store, brick, 2 stories, 52x57 feet, 5718-24 North Fifth street.

Alterations and Additions

P. & M. Dickinson (O), 928 Tasker street. Cost, \$2,000. Dwelling, 928 Tasker street.

James McMillen (O), 324 High street. W. F. & J. Ragner (C), 4121 Pechin street. Cost, \$480. Garage, Mechanic and Morton streets.

Morris Realty Co. (O), care of Hoffman Co., Finance Building. Frank G. Stewart (C), 1619 Sansom street. Cost, \$10,600. Store, Sixtieth and Loudon streets.

H. M. Fogg (O), 4520 Osage avenue. Edw. H. Reusser (C), 921 South Forty-sixth street. Cost, \$50. Dwelling, 1015 South Forty-seventh street.

Bernard Duffy (O), York road and Locomotive street. A. R. Raff (C), 1635 Tyson street. Cost, \$1,000. Saloon and dwelling, Old York road and Locomotive street.

F. H. Starling (O), Aldan, Delaware County, Pa. Cost, \$500. Store and dwelling, 152 North Sixth street.

D. Smithgelsky (O), 737 South Twelfth street. G. Branhini (C), 1329 Wharton st. Cost, \$700. Store and dwelling, 1142 South street.

Louis Goodfriend (O), 1218 Filbert street. Joseph Dominsky (C), 1754 Juniata street. Cost, \$400. Dwelling, 1823 Poplar street.

W. Ferrival Johnson (O), 4039 Lancaster avenue. Cost, \$700. Dwelling, 6137 Oxford street.

A. J. Camerson & Co. (O), Glenwood avenue and N street. H. E. Baton (C), Twelfth and Sansom street. Cost, \$2,000. Engine room, Glenwood avenue and N street.

Torresdale Golf Club (O), Torresdale, Pa. N. K. Freas, Andalusia, Pa. Cost, \$600. Caddy house, Grant and Franklin avenue, Torresdale, Pa.

Lewis Merz (O), Fiftieth and Parrish sts. Charles H. Young (O), Seventy-second and Haverford avenue. Cost, \$1,000. Garage, Fiftieth and Parrish streets.

A. Weitzenfeld (O), 558 North Fourth st. M. J. Benamy (C), 3042 York street. Cost, \$350. Store and dwelling, Twelfth and Dauphin streets.

Christian Yeutter (O), 1724 Foulkrod street. Rimer & Byers (C), 4842 Hawthorne street. Cost, \$600. Storage, Hawthorn and Foulkrod streets.

William J. Martin (O), 1134 Thompson st. Keller Bros. (C), 480 Harmon road. Cost, \$4,000. Dwelling, Harmon road and Ridge avenue.

Estate of George B. Wilson (O), Fifteenth and Chestnut streets. Basch & Co. (C), 1426-36 South Front street. Cost, \$900. Store and office, 1303 Market street.

Abbott's Alderney Dairy Co. (O), 3408 Lancaster avenue. Truner Concrete Steel Co. (C), 1713 Sansom street. Cost, \$20,000. Stable, 3408-10 Lancaster avenue.

Atlas Ball Co. (O), Third and Glenwood avenue. William Steele & Sons Co. (C), 1600 Arch street. Cost, \$3,400. Factory, Third and Glenwood avenue.

Morris Estate (O), Overbrook, Pa. J. J. Murphy & Co. (C), 1139 Wilton street. Cost, \$4,000. Two garages, Seventy-first and Overbrook avenue.

C. K. Mills (O), 1909 Chestnut street. John McShain (C), 1610 North street. Cost, \$4,100. Dwelling, 1909 Chestnut street.

Adolph Jeffola (O), 139 South Fiftieth street. John P. Fallon (C), 449 South Sixtieth street. Cost, \$650. Store, 767 South Eighth street.

Margaret McEnamen (O), 5731 Christian street. Frank M. McEnamen (C), 5731 Christian street. Cost, \$900. Store and dwelling, 5733 Christian street.

Horn & Hardart Co. (O), 202 South Tenth street. Stuckert & Co. (C), 1420 Chestnut street. Cost, \$1,500. Restaurant, 1508-12 Market street.

Star & Crescent Mill Co. (O), Lehigh avenue and Hancock street. Harry Brocklehurst (O), 512 West Norris street. Cost, \$1,500. Manufacturing building, Mutter and Lehigh avenue.

Barrett Manufacturing Co. (O), Frankford, Philadelphia. A. L. Carhart (O), Hale Building. Cost, \$3,000. Pumping house, Tucker and Bermuda streets.

George W. Reinbold (O), 2419 North Broad street. S. B. MacDowell (C), 1927 Montgomery avenue. Cost, \$6,850. Service building, 2506 North Broad street.

Chim Myers (O), 2842 North Lambert street. Cost, \$400. Storage, 2925 North Twenty-first street.

Midvale Steel Co. (O), Nicetown, Pa. William Steele & Sons Co. (C), Sixteenth and Arch streets. Cost, \$1,900. Storage building, Wissahickon avenue and Bristol street.

Hugh D. Donnell (O), 46 Snyder avenue. Equitable Building and Const. Co. (C), 4926 Reno street. Cost, \$1,500. Shop, Meadow and Snyder avenue.

George Piereth (O), 4926 Lancaster avenue. Joseph Marziani (C), 4932 Lancaster avenue. Cost, \$60. Store and dwelling, 4924 Lancaster avenue.

Michael Leo (O), Champlott avenue and Old York road. John H. Dagny (C), 6812 York road. Cost, \$350. Dwelling, Champlott avenue and York road.

Frankford Waste Co. (O), Orchard and Vandyke streets. Robert Beatty & Bros. (C), 2331 East Fletcher street. Cost, \$500. Storage, Orchard and Vandyke streets.

American Pulley Co. (O), 4200 Wissahickon avenue. Walter P. Arnaig (O), 4200 Wissahickon avenue. Cost, \$5,800. Offices and storage buildings, King and Bristol streets.

T. Scott Root (O), Somerton, Philadelphia. W. John Stevens, Inc. (O), Wyncote, Pa. Cost, \$5,000. Dwelling, hollow tile, 2 stories, 44x31 feet, Bustleton pike and Maple avenue.

William Smith (O), Cedar and York streets. Cost, \$3,000. Garage, 2411 Cedar street.

A. E. Boonin (O), Seventh and Snyder avenue. Phil Savar (O), 718 Snyder avenue. Cost, \$700. Store and dwelling, 644 Snyder avenue.

H. S. Marks (O), 830 Arch street. Lam Building Co. (O), 1001 Wood street. Cost, \$3,000. Store, 1307 Vine street.

Powers, Weightman & Rosegarten (O), Ridge avenue and Calumet streets. Monaghan & Losse (C), 214 South Twelfth street. Cost, \$2,000. Shop, Ridge avenue and Calumet street.

August Greer (O), 3429 North Second street. H. P. Schneider (O), 3713 York road. Cost, \$1,500. Dwelling, 160 West Tioga street.

Arthur Peterson (O), 5924 Woodbine avenue. M. W. Young (O), Overbrook, Pa. Cost, \$500. Dwelling, 2045 North Sixty-third street.

Alex. Simpson, Jr. (O), 5854 Drexel road. M. W. Young (C), Overbrook, Pa. Cost, \$3,500. Dwelling, 5854 Drexel road.

Franklin Fire Association (O), 421 Walnut street. Roydhouse-Arey Co. (C), Fidelity Building. Cost, \$15,000. Office Building, 421 Walnut street.

Fidelity Mutual Life Insurance Co. (O), 112 North Broad street. Roydhouse-Arey Co. (C), Fidelity Building. Cost, \$600. Office building, 112 North Broad street.

Thomas M. McGinnis (O), 323 North Fourth street. Eastern Elevator Co. (C), 228 Callowhill street. Cost, \$575. Manufacturing building, 528 York avenue.

Louis Saies (O), 244 North Tenth street. Philip Doerle (C), 609 East Moyer street. Cost, \$3,700. Warehouse, 244 North Tenth street.

Directors of Mutual Hall (O), Richmond street and Indiana avenue. William Cloak (C), 3152 Salmon street. Cost, \$1,600. Garage, Richmond street and Indiana avenue.

Mrs. Swain (O), 3925 Chestnut street. S. L. Luc (O), 700 North Nineteenth street.

Cost, \$800. Dwelling, 3925 Chestnut street. Jacob Titman (O), 419 Moore street. Isaac Wood (C), 1200 South Fifty-second street. Cost, \$4,000. Garage, 419-25 Moore street.

HARDWOOD FLOORS IN FIRE-PROOF BUILDINGS.

In discussing floor surfaces in fireproof buildings in a paper read before the American Society of Mechanical Engineers, Sanford E. Thompson pointed out the kinds of hardwood floors best adapted for the purpose and also the method of laying them. We present the following extracts as likely to prove of interest:

Floors of maple, birch, beech, oak, or long leafed Southern pine are used most largely for offices, class rooms, or lecture rooms, and in many of the older colleges for laboratories and halls. A wood surface, however, is not usually considered entirely satisfactory either in general appearance or in wearing qualities. If one passes from a corridor with a granolithic, terrazzo, or tile floor, into a room or auditorium having a wood floor, there is a marked effect of inferiority and cheapness.

There is just as much danger of poor materials and workmanship with wood as with other kinds of floors. Unless the greatest care is taken in selection of materials and workmanship, they are liable to shrink or swell and sometimes to squeak under foot. If at all hollow underneath, they are more noisy than a concrete surface.

For corridors, wood is being largely superseded by granolithic, terrazzo, or tile. For laboratories other materials are being substituted for wood in most of the newer structures, although wood is occasionally preferred, especially for physical laboratories and for laboratories where men stand for long periods. The hindleum on concrete will overcome practically all the objections that are made to wood floors, with a cost substantially the same.

There are various methods of laying hardwood floors. For class rooms a single thickness of maple or birch nailed to sleepers with cinder concrete between should be satisfactory. Another type of construction is to use patented metal screeds embedded in the base concrete, and nail the floor boards to splines in the screeds. For rooms subjected to heavy traffic, 2-inch or 2½-inch plank may be placed underneath the hardwood floor.

Of all the different materials, oak is the most expensive and the finest in appearance at the beginning, but under heavy traffic is more liable to splinter than the finer grained woods. Georgia pine, if of best quality, makes a durable floor, and is preferable to the finer grained woods in wet places, as it does not swell and warp so badly. It is less durable, however, and therefore not recommended for the greatest permanence in rooms such as class and lecture rooms. Maple, birch, and beech all make good floor material. These are usually laid in strips ¾ inch thick by 2¼ inches wide.

Some big guns are smooth bores.—Ex.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

If you've got a specialty that will commend itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pipkin that there is either something better on the market or your specialty isn't worth a kopeck noway.

Without energetic effort a man must remain in a rut and can never expect to share with his hustling, up-to-date competitor. Quoting the words of a gifted scribe: "Health attends the man who acts. Wisdom guides him. Hope frees him. Joy helps him. Power moves him. Progress marks him. Fame follows him. Wealth rewards him. Love chooses him. Fate obeys him. God blesses him. Immortality crowns him."

A DROP OF INK.

A drop of printer's ink
May make a thousand thing.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration unless so ordered.

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., NOVEMBER 24, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1887)

OFFICERS FOR 1915

President. *R. Clifton Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonie, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. OF A.

President. Horace Wells Sellers
First Vice-President. J. P. B. Sinkler
Second Vice-President. Milton B. Medary, Jr.
Secretary. Edward A. Crane
Recorder. Arthur I. Meigs
Treasurer. Edmund C. Evans
Executive Committee—Elliston P. Bissell,
Charles Z. Klauder, Walter H. Thomas.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzig.

Editorial Comment

"The Bureau of Building Inspection in Its Relation to the Architect" was the subject of an interesting discussion at a recent meeting of the Philadelphia T-Square Club. Mr. Thomas Kellogg, of the firm of Rankin, Kellogg & Crane, presented the architect's point of view, citing in the course of his address a number of the weaknesses of existing regulations.

Martin Hibbs, assistant chief of the Philadelphia Bureau of Building Inspection, defended the department, pointing out that at least 50 per cent. of the defects found in plans submitted were contractual defects, showing the need, in the architect's office, of engineering talent.

This class of defects, Mr. Hibbs contends, may be eliminated only by a closer alliance as between the architect and the engineer.

Chief Clark, of the Bureau of Building Inspection, followed Mr. Hibbs in a very entertaining and instructive review of the subject at issue, treating it from the angle both of the architect and the structural engineer.

A general discussion followed Chief Clark's address, with the result that the department and the profession will probably co-operate in an effort to do away with many of the misunderstandings which have heretofore operated to their mutual disadvantage. It is likely, too, that a committee representing the architects will ask the next Legislature for laws enlarging at some points the measure of jurisdiction granted the department—particularly in so far as this jurisdiction applies to operative building.

* * *

Another effort is to be made this January to force on New York City the principles of the Lockwood-Ellenbogen bill, which was defeated last year because it meant the disintegration of the inspection powers of the Mayor; in other words, a step backward to the days before the city was consolidated.

The claims made for the bill are that it will prevent duplication of building inspections, a saving of a considerable amount of money and time for real estate interests, owners, lessees, builders and architects. It is admitted that there is much more confusion in the enforcement of the building laws than is necessary and that because the Lockwood-Ellenbogen measure promised relief many real estate men have backed it.

The measure is opposed in many quarters because it would establish a precedent which would undermine the central power of government which now lies with the Mayor. It would give the Borough Presidents added power which might be used with indiscretion.

The Mayor vetoed the bill last year and his act was supported by the press and many civic societies. However, he promised to devise means to bring some relief to real estate, as was promised by the bill.

A committee was then formed, consisting

of the heads of the departments under the jurisdiction of the Mayor, to work out a plan for the relief of the situation, in advance of legislation, if possible, or at least to be submitted to the Legislature next January. He then appointed Fire Commissioner Adamson and Walter Lindner, chairman of the Law Committee of the Advisory Council of Real Estate Interests, to examine these reports.

The committee adopted a plan which was put into operation June 26, whereby all orders for structural changes in buildings were to be filed in a central bureau for comparison and for the information of the different departments. By examining and comparing these orders it was to be ascertained to what extent duplication and conflict occurred and to provide an administrative method of reducing these evils in advance of legislation.

* * *

The Advisory Council has recognized that the first step toward the successful consummation of this matter is for the Mayor and Borough Presidents to agree upon some compromise plan and then incorporate such a plan into legislation. Various compromises were considered during the heated controversy over the Lockwood-Ellenbogen bill, but no final agreement could be settled upon: The difficulty was that the attempt to conciliate the various divergent and discordant interests was made too late. The Advisory Council, therefore, decided that it would devote its endeavors primarily to working out with the Mayor and Borough Presidents a plan that may prove satisfactory to all concerned and has withdrawn from the Conference Committee of real estate and allied organizations for the purpose of concentrating its efforts temporarily in this direction.

A bill will be prepared so that all the functions of the various departments which relate to the construction and alteration of buildings may be united in one department, while other matters such as relate to "housekeeping and maintenance" may remain in separate departments.

* * *

Thus, it will be seen that interest in this vexed question of building inspection is not confined solely to Philadelphia. In New York the objection is to the needless duplication of inspections under authority which if vested in one bureau would immensely reduce the confusion and annoyance to which under the existing system property holders are subjected. The original idea of the advocates of the Lockwood-Ellenbogen bill was to have every class of inspection in any way bearing upon a building made by one department charged with the necessary authority to cover all of the various phases now divided among sanitary, structural, fire prevention, tenement and other bureaus. or departmental reasons the most important of which is that such a departure would greatly lessen the authority

now given to the Mayor, the Lockwood-Ellenbogen bill is now opposed, a substitute being advocated whereunder functions which relate to construction and alteration are to be united in one department, leaving all other matters relating to "housekeeping and maintenance" as at present constituted.

* * *

In the September number of the New York magazine "The Fire Engineer" an article appeared written by William Guerin, former Chief, Bureau Fire Prevention in New York, present chairman Fire Prevention Committee, Safety First Federation of America. It shows the attitude of a man who has had long years of experience, and who states his views from the standpoint of an unbiased observer; one who knows. He says:

"Our next step is to secure adequate building codes suitable for the needs of each community—not too radical, but giving an adequate and reasonable protection.

"When the State of New York was impressed with the need of better fire prevention laws, it fell a prey to the radical demands of well meaning but uninformed reformers, resulting in some laws that were of doubtful constitutionality, and others that bore heavily on owners of property, out of all proportion to the supposed benefit to the occupants of the buildings.

"In a recent proposed building code for general use, it was stated that 'all buildings exceeding 75 feet in height' should have all windows glazed with wire glass.

"While I am fully aware of the value of wired glass to protect from exterior exposures, I am sure that one-quarter inch commercial polished plate glass is sufficient protection to guard against any vertical hazard from fire coming out of lower windows, and the latter costs but one-half the price of polished wire glass.

"I witnessed a test where the one-quarter inch plate glass was subjected to 1,300 degrees Fahrenheit, rising from zero to that temperature for ten minutes without a break occurring. I have since been informed of tests going to a much higher temperature without failing.

"Conservativeness in such matters is a duty of the really progressive fire chief."

* * *

And now for a topic that while not related in any sense to building is worth a passing note. In a recent number of the "Southern Furniture Journal" Mr. C. S. Henrickson pens a beautiful little tribute to that much-abused and much-belauded mortal—The Traveling Man. It is so good that we feel sure many of our readers will want to cut it out and paste it away for future reference. Here it is:

"His heart is light. He wears a smile. He is glad to see you. He holds his head up high. He is dressed in the latest fashion. He is clean within and without. He is good natured. He is smart. He has courage. He is an optimist. Beneath the beetle's horny shell, folded away out of sight, lies a pair of thin, membranous, iridescent wings. Coax-

ed by the warm southwest wind, it spreads them out on a summer evening and soars away into the mysterious distance. And the salesman, footsore, weary, tempted by an hour of solitude, forgets his goods and his line, shuffles out of the uniform you have learned to know, and gives himself up to communion with his inner self. Look at him closely. These lines in his face did not all come from smiling. That stoop in his shoulders did not come from holding his head high up. The hand that grasped yours so gladly lies open and limp. The courage that bid him face a lion in his den deserts him when the expected letter from home does not appear. The optimist, the smart man, the man with the fund of good nature, wilts when he sits alone and lets his hunger for the kiss of absent wife and babe take the nerve out of him.

"When times are dull and when the business world turns sour, when nothing doing stalks through the land like a pestilence and paralyzes trade, the salesman perpetuating the traditions of his calling continues to spread a gospel of optimism that comes into its own at last. For the smile and handshake of the salesman, his resourcefulness and versatility, his politeness and good fellowship are the very foundation stones of humanity in business.

"But with all that, remember he is only human, and remember the beetle and its silken, sensitive, delicate wings which you cannot see; and when you turn a salesman down, don't forget that he is a man, and that you are nothing, if you are not his brother."

* * *

There! Isn't that a gem? Doesn't it make you feel just a trifle more considerate of the clear-eyed, clear-headed, smiling chap who breezes in with his stock of new samples and new stories battling against the big odds of modern business to "make good" for his house, his wife and the little ones back home?

Some of us forget in the strife and hustle of business cares that the traveling man is, after all, as human as the rest of us; that he feels a snub as keenly, takes a defeat as much to heart as does the average male human animal.

If we had our way, this little tribute of Mr. Henrickson's to The Traveling Man would hang framed in a conspicuous spot on the wall of every office in the country. We believe it would make the man who does the buying more kindly, more tolerant, less brusque and abrupt in his treatment of the man who is, when all is said and done, the wheel-horse of modern business—the man who brings the orders.

FAIENCE TILE FOR COLOR WORK.

It has been pointed out that each year witnesses a steady increase in the use of faience tile, both in colored matte glazes and in bright Moorish designs says a recent issue of the "Architect."

The range of effects secured by the use of faience is practically unlimited, extending from the most severe and unrestrained classic

to the almost barbarically gorgeous in color and form. Faience tile possesses the capability of suggesting or echoing, by arrangement and shape of the units employed, that particular type of architecture characterizing the building in which it is employed. Thus the architect has form as well as color at his disposal in the use of this material, and may, with equal facility, suggest the ordered jointing of the Grecian Temple or the cyclopean masonry of barbaric races. If he also makes use of moulded faience in low relief for decorative borders, caps and mouldings, he may fix his period almost to a day and stamp the whole as Aztec, Egyptian, Pompeian, Rocco, or what he will.

At the San Diego Exposition the color work has been most satisfying being absolutely suited to environment and climate. Colored glazed tile was used for this purpose. In the true Spanish Colonial style, Moorish designs in high glazes have been used lavishly. It is not too much to say that, whatever visitors to San Diego may forget, they will never forget their first view of the California State Building, with its resplendent glazed tile dome and its tile ornamented massive tower.

CONCRETE FOR CHURCHES.

Reinforced concrete is often used to advantage in church construction, and in some parts of Europe there are even examples of entire buildings being erected, such as the Cathedral of Poti in Russia. Another use is for adding towers or spires in order to complete the unfinished church. It often happens that a church remains a long time without towers or belfries, and these are built at a later date.

In order not to add an unduly heavy load on the already existing foundation, reinforced concrete has an advantage over stone work, and is besides less expensive. A good example is found in the Cathedral of Tunis, which was recently completed by putting on two high belfries in reinforced concrete, and these make up a good architectural ensemble with the former stone work.

MOST EXPENSIVE ADVERTISING.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

A hen is the only kind of a critter that can produce something by sitting down and doing nothing.—Exchange.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



A REVOLVING HOUSE.

One of the latest developments in freak construction is a suburban dwelling which is designed to revolve on a pivot. The house for which plans are now being prepared is designed to occupy a plot 100x130 feet and the idea is to so arrange that any side may be turned to the sunlight or shade as may be desired. The scheme is to build a circular concrete well and surround it with a terrace. A concrete platform resting on a huge pivot will revolve within the well something after the same principle as a locomotive turn-table. In fact, the house, which is built of stucco and hollow tile, will have a turn-table as a foundation.

Are you a regular subscriber to "The Guide"?

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

THE TOY THEATRE

A Children's Playhouse Where Fairy Tales Come True

By PETER NEWTON.

"We know just where the fairies live and we can show you true;
If you'll be patient we will give the fairy lore to you.

We know just what the fairies do, we've all their charms and arts,
For fairy joys and frolics too are hid in children's hearts."

The theater is one of the most potent factors of our complex civilization. And yet, strange to say, until recently we have quite overlooked its most important use, its greatest opportunity for pleasure and benefit—namely, in the amusement and education of children. If we instill in the boys and girls of to-day a love of the beautiful and an active appreciation of that which is wholesome and pure, we may be sure that the theater of the future will reflect those ideals. Here and there we have dramatized a fairy tale like "Cinderella" or "The Sleeping Beauty;" or we have transformed into juvenile drama or picturesque tableaux some familiar Bible story or famous historical event, but these productions have been few and far between. A real theater, devoted solely to the children's interests, is still to come.

And it is coming—soon! For a Toy Theater is shortly to appear in New York.

The playhouse is to be built in West Forty-seventh street, just off Fifth avenue, and it will have a seating capacity of five hundred. As the home of dramatic entertainment for children, the Toy Theater has been designed with their ideals and aspirations and their point of view in mind. The very name suggests the mysterious and the make-believe, which all little people love. And the architects, F. Burrall Hoffman, Jr., and Harry Creighton Ingalls, have been particularly happy in their handling of the design. They seem to have caught and expressed in every detail of the decoration, the spirit of a children's theater where magical stories will come to life.

The street front, suggesting some Old World building in a mediæval town, hints at the wonders to be found within. What child—or what grown-up, for that matter—could resist the inclination to enter the low portal and explore the realms of fairyland that must surely lie beyond!

The auditorium is worked out in simple Gothic columns and beams, with twelve panels depicting, in processional form, the History of Magic and fairy lore in general. On one side of the entrance there will be "The Fairy Queen," and on the other "The Pied Piper of Hamelin," while the curtain will show a

street fair in an ancient town, with a conjuror in his booth entertaining a crowd of gaping yokels.

On the second floor will be found a tea room for the serving of refreshments, and with-drawing rooms for patrons. These rooms, together with the playground on the roof, have been designed by Helen Speer, who has treated them in a manner wholly delightful and with a colorful conception of design which gives them a typically childlike air.

The third floor will be used as the administration offices, and up in the peak of the roof will be the study of the Managing Director—a high-vaulted, tapestried chamber, in grotesque Gothic of the thirteenth century. Here on a cold winter's night, as the clock strikes twelve, one can well imagine many an elfin shape and fairy shadow scurrying from the books in which they dwell, to sit in a wide circle before the hearth and discuss with the director a forthcoming fairy play for their friend, the children. Or one can picture them scrambling up the narrow stair with him to the overhanging balcony, looking down into the shadowy corners of the study where old Stuffed Owl and Black Wooden Cat hold midnight conferences, peering into the workshop where the magical apparatus is thought out and constructed, or looking through the leaded panes at the playground bathed in moonlight, with winding path and peasant's cot and castle tall among the trees.

The theater proper will run parallel with the street at the rear of the property, which is eighty by one hundred feet. The lobby will run from the auditorium to the street and have a frontage of twenty feet. Along the front of the property and in keeping with the Toy Theater front, there will be three little five-story buildings, all devoted to the interests of children.

Here will be a toy shop, a book store, a photographic studio for children, a salon for dancing classes, a hall with a stage for amateur dramatic societies, and various other juvenile features. In fact, the whole property will suggest a little street in "Hamelin Town in Brunswick, by famous Hanover City"—a veritable fairyland! Beside the doorways will be funny little Noah's Ark trees on flat stands, and on each side of the gateway to one of the shops, a wonderful red, white and black wooden soldier will be on guard—because, of course, anyone who does not believe in hobgoblins, fairies and other tiny folk cannot enter here.

Fairy lore from the mystic sagas of the Norsemen in the time of the Druids, the stories of the Arabian Nights and the fairy tales of

Medieval Europe, not to mention the classic myths of ancient Greece, have all been drawn upon in the treatment of this children's wonderland. It will indeed be a magic spot in the great busy city—a place where all that is beautiful in childish song and verse will be visible, and where children of all ages may, like Alice down the rabbit hole, wander to their heart's content among the things they love to read about and find them really, truly, true!

In this little Toy Theater there will be presented for the children playlets in which magic craft will work out the marvelous happenings of the fairy tales, folk lore and legends. Motion pictures of suitable sort will also be shown, so that youngsters may see those which, from an educational standpoint, will be pleasing and instructive, without having to sit through those which they should not see. There will also be plays suitable for young people who are not quite grown up, such as the adventures of Ivanhoe, William Tell, Columbus and other historical characters, as well as playlets of illusion like "The Pipes o' Pan," "Captain Kid," "Napoleon in Egypt" and "The Juggler of Touraine."

One can imagine how eagerly the youthful audience will watch these little plays and tableaux of fact and fiction, and with what breathless suspense and childish glee they will behold the marvels of magicians, witches, elves and other wonder-folk. How happy they will be to see fairy tales come true before their eyes, to behold giants in seven-league boots striding across the landscape,

tiny dwarfs hiding their treasures in some mountain cave, gallant knights rescuing fair damsels in distress, and fairy godmothers appearing at just the crucial moment with gifts of magic for some fortunate protegee! And how much more interesting and real the history books and geographies will seem, when upon the stage appear the familiar personages of the past and the picturesque people and costumes of foreign lands!

The Toy Theater will fill a definite place in the movement for the education of children along broader and more interesting lines, and its influence for good should be very great. With this little playhouse in New York, as a center where writers, painters, musicians, conjurers and actors may all work together to produce a perfect children's drama, the idea may very soon become widespread. The "movies" will contribute their share toward the work of reproducing for general distribution the productions of the Toy Theater.

The corner-stone of the building, which is soon to be laid, will bear an inscription dedicating it to the children of all countries and climes. For it is hoped that this little theater will prove to be the inspiration of many more Toy Theaters where the children of all peoples may gather to enjoy the tales which have come to them down through the ages—theaters where everything sweet and lovely may be instilled in their minds, that they may be the better equipped, when they too have become "grown-ups," to keep their ideals unswayed by the grosser facts of life.—"The Craftsman."

ter of the architectural details can be considered. There are so many features that lend themselves to picturesque treatment, and so many different ways in which the commonest materials and old prosaic elements can be given distinction and charm.

It is not necessary, in achieving this, to increase materially the cost of construction. Often the most delightful effects can be obtained simply by using materials in a decorative and unusual way, both as to color and design. In fact, the most satisfying results and the most appealing beauty are usually gained, not by applied ornament—or, as somebody once expressed it, "the kind of architecture that you nail on," but by an interesting and sympathetic handling of the practical structural parts.

Of course, it is possible to leave all these matters to the judgment of your architect, and rely upon his superior technique and experience to obtain beauty of detail for your home. But no matter how great his wisdom, how excellent his taste, the result will lack individuality—or rather, it will express his individuality, his standard of architectural beauty, instead of your own. On the other hand, if you give each point your personal thought and attention, and discuss with him the most practical way of carrying out your ideas, your home, when finished, will hold infinitely more significance in both a material and spiritual sense. Naturally, such effort on your part will require careful study of many technical points; but the pleasure of the task and the lasting satisfaction of the outcome will more than repay you for the effort.

Suppose, for instance, that your house is to be of brick. There are the questions of color, texture, bond and mortar joints to be considered. Besides the ordinary terra cotta, the colors run from deepest purple to palest buff, with dozens of intermediate shades and tones between. The texture ranges from the smoothest to the roughest surface; to-day architects are inclining toward the use of the rough-faced variety, since its irregular surface refracts the light in such a manner that a certain atmospheric quality is obtained for even the plainest wall. The bond or pattern in which the brick is laid, also proves an important factor in the general effect. And, whether one chooses the plain running bond, the more decorative Dutch, English or Flemish, or the still more definitely ornamental surface of geometric patterns, it is usually well to vary the colors of the brick, especially in large surfaces. Header rows in steps and window sills, and above the foundation, and soldier rows at the heads of the windows, will emphasize the main structural lines, while additional interest may be given by a decorative frieze below the eaves or medallions in the wall above the entrance and between window groups.

The width of the joints, the coloring, texture and handling of the mortar should also receive consideration. Rough mortar, from half to three-quarters of an inch thick, a little lighter or darker than the brick, and left with "rough-cut flush" or raked-out joint,

YOUR OWN HOME

Beauty Through Architectural Details

"The first spiritual want of barbarous man," said Carlyle, "is decoration." The crude tracings on the walls of prehistoric caves, the carved weapons of the Paleolithic warrior, the bead necklace of the savage and the feather head-dress of the Indian—all show the beginning of the aesthetic impulse. This impulse grew partly from vague superstitions and partly from a dawning appreciation of the rhythm of color, form and line, and was bound up later with the service of religion, developing finally into the wider channels of handicrafts, architecture and the arts. And it is this artistic urge, this passionate, personal longing for the beautiful, this instinctive need for the expression of ideals, that is the inspiration of all good workmanship.

Only since architecture became impersonal, wholesale, commercialized, do we find it losing its individuality, its aesthetic appeal. So long as it was intimate to the lives of the people, it was bound to hold a certain decorative quality, an element of sympathy and loveliness. For, as Renan says, "Man makes beauty of that which he loves." Unless we

care for a thing, it does not occur to us to beautify it. On the other hand, if it is our own, the very fact of possession seems an incentive to beautification, to some form of self-expression through art.

For this reason, when we begin to demand a more personal environment—when we are no longer content to live first in one, then in another rented apartment or house—when we insist upon building our own homes and embodying in them our own ideas of comfort and of beauty—only then may we expect to find our architecture flowering into new and lovely forms. Your own home—in those words, and all the personal interest and enthusiasm they imply, lies the key to successful domestic architecture.

It is for this quality of individuality that we have selected the illustrations of house and garden features for the present article—and it is in such details that the art impulse of designer and owner finds freest play. For, after the general plan and style have been determined upon, after the materials for the main construction have been chosen, the mat-

gives a wall an air of mellowness, anticipating the irregular surface that years of weathering bring.

Brick may be combined very effectively with other materials—such as stucco or field stone, and an edging of brick around a cement porch floor or around the stucco panels of a sunroom wall, proves very attractive. Colored tiles, in vivid or subdued tones, with either a bright or a dull glaze, are also being used with a faint echo of the richness that characterizes the buildings of the Orient. The tiles add to the beauty of a brick wall, and are even more striking when inlaid in the gray or buff surface of concrete. Field stone, selected for irregularity of shape and variety of coloring, and laid with wide, rough mortar joints, is also a source of much architectural beauty, while the lighter construction of shingles, clapboards and the timbers used in roof, gable and porch are all capable of interesting handling.

The roof of a home in likewise full of possibilities for artistic treatment, whether it be of shingle, tile, slate or composition sheet roofing. Its slope and contour as well as the material and coloring should be carefully thought out, and the home-maker should remember especially that wide eaves, dormers, and hooded entrances and windows invariably give the place a sheltering, homelike air.

Chimneys, if well placed and of ample dimensions, may also contribute to the general attractiveness of the exterior, especially if they are built in an outside wall—although this is not so economical from the standpoint of heat conservation. They may serve, moreover, to give a touch of variety as to materials. For instance, if the house is of brick on a stone foundation, a stone chimney would be in keeping; or the chimney might be of stone in the lower portion, merging gradually into brick about half-way up.

Another architectural detail that deserves proper regard as to placing, materials and design, is the front entrance. A generous-sized, sturdy door of oak or chestnut, with simple paneling, lightened perhaps by small panes in the upper half, and flanked by long narrow casements giving light to hall or coat closets within, holds out a pleasant invitation to the visitor, especially if potted shrubs or vines are added on each side, and a friendly lantern is hung overhead. The shelter of a hood or porch roof will emphasize the suggestion of hospitality. A Dutch door also gives a quaint and solid look to an entrance, and is in keeping with the simple bungalow style.

The design, grouping and placing of the windows should be studied with relation to each other and to the house as a whole, for they are important features. The plainest house may be made attractive by using small-paned casements set in well-balanced groups of twos and threes. Nor need this be done at the sacrifice of interior beauty or comfort, for as a rule the better the windows appear from the exterior, the more satisfactory they are within. Great variety is possible, moreover, in the design—the size, shape and arrangement of the panes, in both the casement

and the double-hung type. A large central pane with long, small-paned windows at each side, makes an attractive unit, while the diamond-shaped panes, that recall the picturesque manors and cottages of the Elizabethan era, give a graceful, latticelike touch to the walls.

The architectural features of the interior—the chimneypieces, staircase, woodwork and built-in fittings—also are important. Their design will be suggested largely by the character of the house. For a Colonial house, chimneypieces of white or cream enameled wood of appropriate classic design are usually most suitable, although brick may be introduced if a warmer note of color is desired. For a field-stone house, a chimneypiece of the same material or of concrete is usually in keeping, while, in a concrete or brick house, either of these materials may be used with good effect, alone or combined, or brightened by colored tiles in chimneypiece or hearth.

The staircase should be planned with comfortable breadth and with steps that are easy of ascent; its woodwork should be in harmony with the other woodwork of the interior. Indeed, if the stair case visible from the living room and dining room, their design, finish and color will set the keynote for the rest of the woodwork. But this leads us from the architectural field into the domain of cabinet-work. Enough has been said to give the prospective home-builder an impression of the varied possibilities for beauty that are presented by the structural details of the new abode, and if such hints, together with the illustrations, may serve as helpful finger-posts along this alluring pathway, they will have fulfilled their aim.—"The Craftsman."

FILLING FOR CRACKS IN OLD FLOORS.

In the case of a painter in Maine who had some old floors to re-finish, the boards having warped and the joints opened to some extent, he wrote to the "Painter's Magazine" for information, and in reply they suggested the following method of procedure:

"If the floor boards are badly warped in some places a good job cannot be made by simply filling cracks or open joints, as that would still leave the floor uneven. Wherever the edges of the boards are turned up some it is absolutely necessary to have them planed to a level with the rest of the floor. To fill the joints or wide cracks first coat the edges of them with boiled linseed oil, which allow to become dry; then fill in with a putty made by soaking a lot of blotting or lining paper in water; squeeze out the water and mix with whiting and glue size to a fairly stiff mass, similar to glazing putty. Stin it with dry color to match color of the floor and press firmly into joints or cracks with a flexible putty knife. Allow mass to harden and finally remove surplus with very coarse sandpaper.

"For cracks or joints $\frac{1}{8}$ inch or less in width a filler may be made by mixing good whiting and linseed oil putty with a small portion of dry white lead, well kneading the

mass and coloring it to match the floor; then, after brushing boiled linseed oil on the edges of joints or cracks, the putty is firmly pressed in and permitted to harden. To level off the putty on top of joint or crack wet the putty knife by dipping in turpentine. When the filling has become hard even it up with the floor by going over it with sandpaper. Before filling joints, whether close or wide open, clean out dust or dirt, otherwise the filling will not be perfect.

"There are crack fillers on the market for the purpose, but these will hardly suit your work, as they are not intended for very open joints, aside from being high priced."

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 10, 1915.—Sealed proposals will be opened in this office at 3 p. m., December 21, 1915, for the construction complete (including mechanical equipment, and approaches) of a one-story and basement stone-faced building of 7,264 square feet ground area, fireproof construction, composition roof, for the United office at Attleboro, Mass. Drawings and specifications may be obtained from the custodian at Attleboro, Mass., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 20, 1915.—Sealed proposals will be opened in this office at 3 P. M., December 30, 1915, for the construction complete (including mechanical equipment and approaches) of a two-story and basement stone and brick-faced building of 4,128 square feet ground area, fireproof construction, composition roof, for the United States post office at Ridgway, Pa. Drawings and specifications may be obtained from the custodian at Ridgway, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 16, 1915.—Sealed proposals will be opened in this office at 3 P. M., December 28, 1915, for the construction, complete (including mechanical equipment [except lighting fixtures] and approaches), of a one-story-and-basement brick-and-stone or terra-cotta faced building of 5,050 square feet ground area, first floor of fireproof construction, composition roof, for the United States post office at Seymour, Conn. Drawings and specifications may be obtained from the custodian of the site at Seymour, Conn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.
Artists' and Architects' Supplies.
Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

Brick Arches and Angles.

R. B. Wible & Son, 11th and Ontario sts.

Brick Renovating.

Adolph Christensen, 1433 Brown st.
John Gallatig, 447 W. Dauphin st., Phila.

Blue Prints.

Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins, 125 S. 11th st., Phila.

Builders.

James P. Farrell & Co., 1619 Sansom st.
Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ransstead st., Phila.

Builders' Iron Work.

James G. Madden, Franklin Bank Bldg.
W. E. Wark Co., 1737 Filbert st., Phila.

Cement.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg.
Knickerbocker Lime Co., 266 N. 24th st.

Cement Colors.

Samuel H. French & Co., 4th and Callowhill

Concrete Mixers.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co., Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co., Real Estate Trust Bldg.
Barrett Mfg. Co., New York City and Philadelphia.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., and Land Title Bldg. Phil.
Richards-Wilcox Mfg. Co., 50 N. 6th st.,

Drawing Materials.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts.

Engineers' Supplies.

Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila., Pa.

Flooring.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Floor Renovating.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Finishes.

R. O. Scheel, 9 S. 18th st., Phila.

Floor Laying.

General Flooring & Mfg. Co., 9 S. 18th st.

Floor Planing.

General Flooring & Mfg. Co., 9 S. 18th st.

Floors and Floor Finishing.

General Flooring & Mfg. Co., 9 S. 18th st.

Furnaces

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co., Fidelity Bldg.

Hardwood Floors.

General Floori g & Mfg. Co., 9 S. 18th st.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Heating (Vapor).

Vapor Heating Co., York, Pa., and
North American Bldg., Phila.

Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

Iron Work (Structural and Ornamental).

James G. Madden, Franklin Bank Bldg.
W. E. Wark & Co., 1737 Filbert st., Phila.

Lumber.

Currie & Campbell, Commonwealth Bldg.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3rd & Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

Metal Lath.

Builders Steel Products Co.,
131 S. 24th st., Phila.
N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Marble Mosaic.

Belf Bros. & Co., 20-22 S. 19th st.

Mill Supplies.

The Fairbanks Co., 7th and Arch sts., Phila.

Mill Work.

O. M. Weber Co., North Wales, Pa.

Mortar Colors.

Samuel H. French & Co., 4th and Callowhill.

Overhead Carrying Systems.

Richards-Wilcox Mfg. Co., 50 N. 6th st.

Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co., 4th and Callowhill.

Pipe Fittings and Valves.

The Fairbanks Co., 7th and Arch sts.

Plumbing Fixtures.

Camden Pottery Co., Camden, N. J.

Preservatives (Wood and Concrete).

Barrett Mfg. Co.,
New York City and Philadelphia.
F. E. Sagendorph, 131 S. 24th st., Phila.

Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

Ranges.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,
Liberty Stove Co., 114 N. 2nd st., Phila.

Refrigerators.

Borden Stove Co., 118 N. 2nd st., Phila.
Henry M. Miller, 46-48-50 N. 2nd st.,

Roofing.

Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st.

Roofing Slate.

C. F. Shellenberger, Builders' Exchange

Roofing Tile.

C. F. Shellenberger, Builders' Exchange
O. W. Ketcham, Builders' Exchange, Phila.

Scales.

The Fairbanks Co., 7th and Arch sts.

Sanitary Flooring.

Leather Flooring Co.,
Glen Rock, Pa., and Land Title Bldg., Phila.
Phila. Mineral Flooring Co., 5632 Summer st.

Sewer Pipe and Flue Linings.

C. F. Shellenberger, Builders' Exchange.

Sash Pulleys.

Grant Pulley and Hardware Co.,
3 W. 29th St., New York
and Land Title Bldg., Phila.

Soundings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Stair Work.

O. M. Weber Co., North Wales, Pa.

Structural Engineer.

Harry C. Eisenbise Co., Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co., 114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham, Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila., Pa.

Tile and Terrazzo Work.

Belf Bros. & Co., 20-22 S. 19th st., Phila.

Wall Board.

Cell Board.

The Phil Carey Co.,
13th and Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

"Compo."

Howard Ketcham, 3rd & Girard ave., Phila.

"Utility."

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Waterproofing.

The Aquabar Co.,
Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.,
New York City and Philadelphia.

Builders' Steel Products Co.,

131 S. 24th st., Phila.

Standard Paint Co.,

100 William st., New York City.

Weather Strip (Metal).

Diamond Flexible Metal Weather Strip Co.
Geo. E. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Window Screens.

S. B. MacDowell & Son,
1927 Montgomery ave., Phila.

Wire Work.

N. J. Wire Cloth Co., Trenton, N. J.
and 627 Market st., Phila.

Audubon Wire Cloth Co., Inc., Audubon, N. J.

IMPERVITE receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.



A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit. Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg., NEW YORK
Peoples Gas Bldg., CHICAGO
Beacon Building, BOSTON

Let us estimate on your work
Alterations, New Construction, Repairs

RUSSELL & KEFFER
Carpenters and Builders

Commercial Trust Building, Philadelphia, Pa.

Prompt and Efficient Service. Low Cost

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



KNICKERBOCKER LIME COMPANY.
MANUFACTURERS OF Wood Burnt LIME

MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTERS
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY
112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STRONGE MFG. CO.
221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities
Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks
All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.
Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 48.

PHILADELPHIA, WEDNESDAY, DECEMBER 1, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere.
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

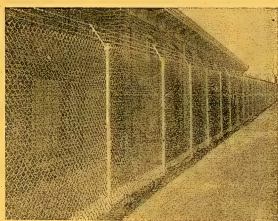
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD
The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

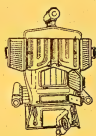
ANCHOR POST IRON WORKS
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA, PA.

== MILLS ==

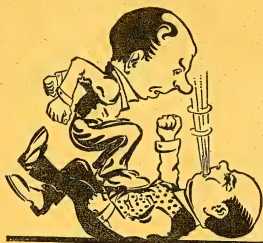


"Reputation"

Some of the most famous buildings in the country are equipped with Mills Water Tube Boilers.

They are always found where "GOOD QUALITIES" count.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta**

**Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.
Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS
Shops, Rochester, Pa.

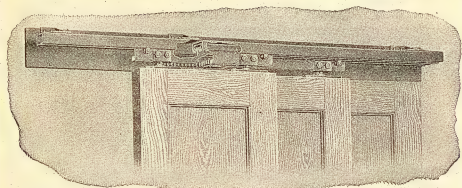
District Representative

JAMES G. MADDEN
1011 Franklin Bank Building

Bell Phone, Walnut 4344
Keystone Phone, Race 2718

Philadelphia, Pa.

IDEAL Elevator Hanger



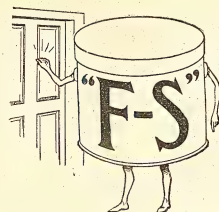
**IDEAL in Name and Action
"And Made in U. S. A."**

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



**Opportunity knocks at
your door through "F-S"
Products.**

They say that Opportunity knocks but once to every man, but you can secure good results every day with our Imperial Spar Varnish. It is light, clear and of medium body; *dries without dust in 8 hours*; does not turn white; is unaffected by heat and moisture, and is durable indoors and out.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(120)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

**Has your work ever been held
up on account of slow delivery
of BRICKS?**

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

**Complete line of Clay Products,
including Face Bricks, Hard Bricks,
Sewer Bricks, Flue Linings, Sewer
Pipe, Roofing and Floor Tile.**

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages? Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

ALTERATIONS : JOBBING

Bell, Spruce 4419 . Keystone, Race 3210

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER

WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers

Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA

Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON
 WORK
 CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel. Keep out Dust.
 Afford Protection against Drafts.
 Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 48.

PHILADELPHIA, WEDNESDAY, DECEMBER 1, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

School Building, B street and Allegheny avenue, \$350,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, steel and concrete, fireproof, 3 stories. Owners taking bids, due December 10th.

School Building (add), Seventieth and Woodland avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall. Brick and stone, 3 stories. Owners taking bids, due December 10th.

School (alts.), School lane, Germantown, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Greene Street Friends Meeting, on premises. Consists of general interior alterations. Architects taking bids on completion of contract, the following are figuring: Barclay White & Co., Perry Building; A. R. Raff, 1635 Thompson street; Fred Elvidge & Son, 5522 Germantown avenue, all of Philadelphia.

Bridge, Diamond street, over connecting railway, \$75,000. Engineer, Geo. S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Concrete and steel, girder type, 70x170 feet. Owners taking bids, due December 14th at noon. Plans may be obtained at Room 416 City Hall on deposit of \$5.00.

Bridge, Annsbury street and N. Penna. RR., \$48,000. Engineer, Geo. S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Steel and concrete, girder type, 70-foot street, waterproofing. Owners taking bids, due December 8th at noon. Plans may be obtained at Room 416 City Hall on deposit of \$5.00.

Bridge, Orthodox street over Frankford creek, \$25,000. Engineer, Geo. S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Steel, encased in concrete, 48 feet wide, 78 feet between abutments. Owners taking bids, due December 8th at noon. Plans may be obtained at Room 416 City Hall on deposit of \$5.00.

Sewers, various streets, Philadelphia. Engineer, Geo. S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Brick and concrete, 12 separate contracts. Owners taking bids, due December 8th at noon. Plans may be obtained at Room 416 City Hall on deposit of \$25,000 for each plan.

Residence and Garage (alt. and add.), 401 West Chelten avenue, Philadelphia. Architect, Herbert C. Wise, 133 South Fifteenth street, Philadelphia. Owners, Henry Wiemer, Jr., Stephen Girard Building, Philadelphia. Stone and brick, 2½ stories, slate and slag roof, tile work, electric lighting, oak floors, composition floors, electric elevator (heating reserved). Architect has received bids.

Loft Building, northwest corner Twenty-third and Market streets, \$500,000. Architect, Mahlon H. Dickinson, Empire Building, Philadelphia. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Reinforced concrete, 6 stories, 400x250 feet, composition roof, steam heating, electric lighting, elevators, steel sash, dampproofing. Owners have received sub-bids.

Residences (6), Somerville and Camac sts., Philadelphia. Architect, private plans. Owners, F. & E. Aubel, 2520 North Ninth street, Philadelphia. Brick, 2 stories, slag roofs, hot water heating, hardwood floors, tile work. Plans in progress.

Garage, Front and Dauphin streets, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, A. C. Keeley, 2215 North Front street, Philadelphia. Brick, 1 story, 40x100 feet, slag roof, electric lighting, cement floors (plumbing and heating and gasoline tank and storage system separate bids). Architect taking bids.

Factory, 1004 North Carlisle street, Philadelphia. Architect, P. T. Uozoll, 1203 Filbert street, Philadelphia. Owners, Mershon Patent Shaking Grate Works, 1203 Filbert street. Brick, 3 stories, 19x55 feet, slag roof, electric lighting, iron stairs, fire doors, metal ceilings (heating reserved). Owners have received bids.

Residence, Quincy and Phil Ellena streets, Philadelphia. Architect, Geo. S. Idell, 34 S. Sixteenth street, Philadelphia. Owner, E. P. Moxey, 34 Carpenter street, Germantown. Brick, 2½ stories, 28x52 feet, slate roof,

vapor heating, tile work, oak floors, electric lighting. Revised plans in progress.

Employees Building, Twenty-ninth and Bristol streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Pulley Co., on premises. Brick, concrete and steel, 2 stories, 100x38 feet, slag roof, metal lath, reinforcing bars, kalamein doors, safety treads, iron stairs, dampproofing, steel sash, terrazzo floors (heating, plumbing and electric work reserved). Architects have received bids.

Ice Manufacturing and Cold Storage Plant, Duncannon and Mascher streets. Architects, Penckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Olney Ice Mfg. & Cold Storage Co., on premises. Brick, steel and concrete, 2 stories, 30x140 feet, slag roof, electric lighting. Architects taking bids, due November 30th. The following are figuring: Schrieber & Steinhäuser, 5424 North Fifth street; M. W. Dougherty, Amber and Pacific streets; D. W. O'Dea, 5219 North Fifth street; and Philip Haibach Contracting Co., Twenty-sixth and Thompson streets, Philadelphia.

Residences (250), Sixteenth and Seventeenth streets, Oregon to Johnston streets. Architect, private plans. Owner, G. W. Young, 2316 South Broad street, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, steam heating, electric lighting, hardwood floors, tile bathrooms. Plans in progress.

Twin Residences (6), Wistar street and Thorps lane, Germantown, \$4,800 each. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, J. Shankman, Locust avenue and Crovson street, Germantown. Brick and stone, 2 stories, 16x48 feet, slag roof, hot water heating, hardwood floors, tile work. Plans in progress. Owner will be ready for bids in about one week.

Inbound Freight Warehouse, Front and Federal streets, \$350,000. Architect, William H. Cookman, Broad Street Station, Philadelphia. Engineer, A. S. Shand, Broad Street Station. Owners, Pennsylvania Railroad Co., Broad Street Station. Reinforced concrete, 4 stories, 60x400 feet, slag roof, steam heating, electric lighting elevators, steel sash, waterproofing.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{2}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

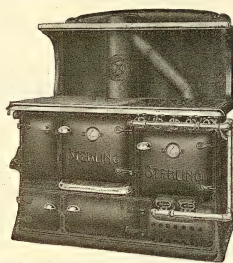
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS
Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Plans about completed. Owners will advertise for bids in about one month.

Pier No. 46 (alts.), Delaware River. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Frame and galvanized iron, consists of alterations to pier and new bulkheads. Plans about completed. Owners will advertise for bids in about one week.

Passenger Station (alts.), Cheltenham avenue. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Stone and brick, 1 story, consists of removal of station to new site and new shelter sheds and platform. Plans completed. Owners will take bids in a few days.

Residence (alts.), Sixty-fourth and City Line. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, Mrs. James Prescott Martin, on premises. Consists of alterations and new porches. Plans in progress.

Loft Building, 240 Monroe street, Philadelphia. Architect, Michael Golden, 2307 East Auburn street, Philadelphia. Owners, Majestic Building and Loan Association, care of architect. Brick, 4 stories, 24x92 feet, slag roof, hot water heating, electric lighting. Architect taking bids, due November 30th. Lam Building Co., 1001 Wood street, Philadelphia, are figuring.

Apartment House, Broad and Wyoming avenue. Architect, private plans. Owner, Dr. G. L. Harrison, Sixteenth and Diamond sts., Philadelphia. Brick and stone, 5 stories and basement, 75x178 feet, will contain 45 house-keeping flats, slag roof, vapor vacuum heating, electric lighting, hardwood and cement floors, clothes dryers, two fire towers. Plans completed. Owner is ready for bids on all lines.

Residences (30), Aramingo avenue, between Cambria and Ann streets. Architects, Durham Bros., Heed Building, Philadelphia. Owners, Schlossberg & Cohen, 2534 North Hollywood street, Philadelphia. Brick, 2 stories, 15x50 feet each, slag roofs. Owners are taking sub-bids.

Factory, Twenty-eighth and Passyunk avenue, \$40,000. Architect, private plans. Owners, Atlantic Refining Co., 3144 Passyunk ave-

nue, Philadelphia. Brick and concrete (reinforced concrete roof), 3 stories, 147x145 feet, slag roof, electric lighting. Owners are building.

Warehouse (alts.), 28 South Sixth street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Estate of A. J. Drexel, Drexel Building, Philadelphia. Consists of general alterations and addition of 1 story, 25x160 feet, slag roof. Architects taking bids, due December 7th. The following are figuring: A. R. Raff, 1635 Thompson street; George & Borst, 277 South Eleventh street; F. W. Van Loon, Denckla Building; H. E. Baton, Twelfth and Sansom streets; R. C. Ballinger & Co., 218 North Thirteenth street; Fidelity Const. Co., Heed Building, Philadelphia.

Garage, Front and Dauphin streets, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, A. C. Keeley, 2215 North Front street, Philadelphia. Brick, 1 story, 40x100 feet, slag roof, electric lighting, cement floors (plumbing, heating and gasoline tank and storage system reserved). Architect taking bids, due December 7th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Stewart Bros., 2326 North Orkney street; Charles Gilpin, Harrison Building; Metzger & Fisher, Denckla Building, Philadelphia.

Residences (6), Filmore street and North-east Boulevard, Philadelphia. Architect, private plans. Owner, John D. Fotheringham, 3367 Frankford avenue, Philadelphia. Brick, 2 stories, 16x48 feet, tile roof, hot water heating, electric lighting, hardwood floors. Owner taking sub-bids.

Residences (50), Malcolm street, Fifty-sixth to Fifty-seventh streets, Philadelphia. Architect, private plans. Owner, Edward J. Rusk, Fifty-eighth and Addison streets, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, combination lighting, hardwood floors. Work about to be started.

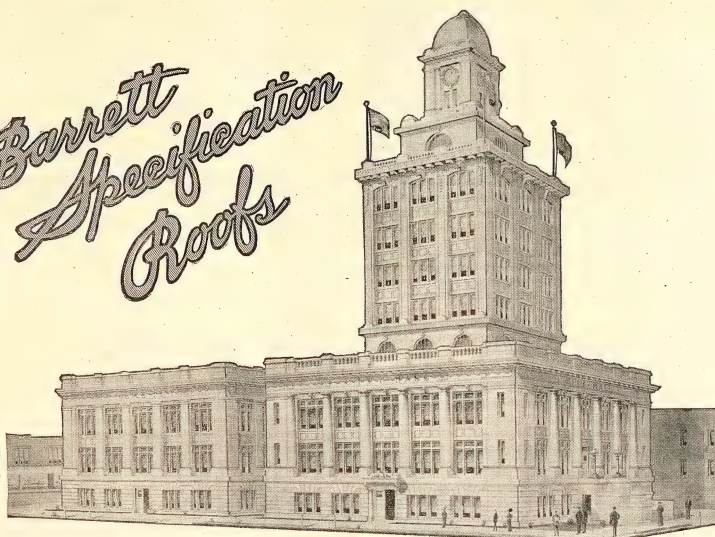
Tool House, Thirty-third and Girard avenue, Philadelphia. Architect, private plans. Owners, Pennsylvania Railroad Co., Philadelphia Terminal Division, Thirty-second and Powelton avenue, Philadelphia. Brick and plaster, 1 story, 17x37 feet, Rex tile shingle roof, (plumbing and lighting reserved. Owners taking bids, due December 6th. The follow-

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

Barrett Specification Roofs



On Tampa's New City Hall—

TAMPA is building this fine, new city hall at a cost of several hundred thousand dollars. The plans were open to competition and this interesting design was the winner. The size and nature of the contract naturally attracted the ablest architects and as the first class architects of the country appreciate the superiority of Barrett Specification Roofs, this type was selected to cover the Tampa City Hall.

This is a cycle of reasoning which has become increasingly familiar during the last few years. If it is a large or first-class building it attracts first-class architects and en-

gineers, and the preference of such men is almost always for Barrett Specification Roofs.

That is why you can select at random any large, important, public or commercial building anywhere in the United States that has been built within the past ten years and find, almost invariably that it has a Barrett Specification Roof.

Such a roof is the lowest priced of all permanent roofs. It requires no care or maintenance expense and is good for upwards of twenty years without repairs. It takes the base rate of fire insurance and is approved by the Underwriters' Laboratories.

You can have a roof exactly like that on the Tampa City Hall by writing The Barrett Specification in full in your building plans.

Architects: Bonfoy and Elliott,
Tampa, Florida
General Contractors: McGucken
and Hyer, Tampa, Florida
Roofers: Eyo's Roofing and Art
Metal Works, Tampa, Florida

Hydron

The Damp-proofing Paint
Especially recommended for use above the ground level on the interior of stone, brick or concrete walls to exclude dampness.

Has superior covering capacity and is vastly superior to other paints in its permanence and resistance to dampness. Booklet on request.

Tar-Rok Sub Floors

This construction provides the most suitable surface on which to bed plank (without the use of sleepers) where a wooden lower floor is desired in factory, machine shop, store house, etc., effecting a maximum of strength, rigidity and protection against dry rot, decay or fire, at a nominal cost. Booklet on request.

A copy of The Barrett Specification, with roofing diagrams, free on request.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Cincinnati Pittsburgh
Detroit Birmingham Kansas City Minneapolis Salt Lake City Seattle Peoria
THE PATERSON MFG. CO., Limited: Montreal Toronto Winnipeg Vancouver
St. John, N. B. Halifax, N. S. Sydney, N. S.



In Renovating

the interior of the CATHEDRAL of
SS. PETER and PAUL, Philadelphia

Modern Gas Light was Selected

on account of its superior daylight
quality, coupled with its economy
and artistic appearance.

It will pay you to consider this
ideal illuminant whenever you
build or renovate churches, assem-
bly halls or houses.

Get in touch with our "Build-
ers and Operators Division."

Telephones:
Bell—Filbert 2191; Keystone—Race 2690

THE UNITED
GAS IMPROVEMENT
COMPANY

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

R. B. WIBLE & SON

Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



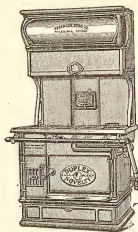
LARGE-DAIL MFG. CO.

Switch Boards, Special Switches

Steel Cabinets

Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"DUPLIX NOVELTY"

COMBINATION COAL AND GAS RANGE

Low in price but high in popular favor. Made to meet the demand for a
high class combination range for use in houses of a very moderate price.

COMPACT and COMPLETE and

always ready for the use of either coal or gas, or both. Nothing to change.

WRITE FOR "DUPLIX" LITERATURE

Made in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

ing are figuring: Bailey-Lush Co., 201 North
Broad street; Armstrong & Latta, Land Title
Building; Brann & Stuart, Commercial Trust

Building; A. L. Carhart, Hale Building; Royd-
house-Arey Co., Fidelity Building, Philadel-
phia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Residence (alts.), Twenty-fifth and Aspen
streets, Philadelphia. Architects, Chas. W.
Bolton & Son, Witherspoon Building, Phila-
delphia. Owner, Wm. Reiner, on premises.
Brick, 2 stories, tile work, hot water heat-
ing, electric lighting. Contract awarded to
Philip Haibach Cont. Co., Twenty-sixth and
Thompson streets.

Home Building (alt. and add.), 5919 Wayne
avenue, \$3,800. Architect, Robert R. McGood-
win, 34 South Sixteenth street, Philadelphia.
Owners, Home of Rest for the Aged, on
premises. Brick, 2 stories, 19x38 feet, slag
roof, hot water heating, electric lighting.
Contract awarded to Wm. C. Wright, 22 Har-
vey street, Germantown.

Garage, Fifteenth and Toronto streets,
Philadelphia, \$900. Architect, private plans.
Owner, Geo. W. Henderson, 3037 North Fif-
teenth street, Philadelphia. Brick, 1 story,
consists of general alterations. Contract
awarded to Wm. H. Schultz, 3240 North Car-
lisle street.

Store Building (alts.), 918 and 920 Market
street, Philadelphia, \$3,000. Architect, pri-
vate plans. Lessees, L. Dannenbaum Son &
Co., 806 Arch street, Philadelphia. Consists
of interior alterations for showrooms and
offices. Contract awarded to Frank C.
Stewart, 1619 Sanson street, Philadelphia.

Sunday School Building, Germantown ave-
nue near Mannheim street. Architects, Leach-
man & Murphy, Witherspoon Building, Phila-
delphia. Owners, St. Stephen's M. E. Church,
Rev. Wayne Channell, 5213 Germantown ave-
nue, Philadelphia. Stone, 3 stories, slate
roof, steam heating, electric lighting. Con-
tract awarded to F. B. Davis, 240 North Six-
teenth street, Philadelphia.

Factory Building, Erie avenue, east of
Third street, Philadelphia. Architect, private
plans. Owners, Niagara Thread Co., 120 S.
American street, Philadelphia. Brick, 1 story,
50x150 feet, slag roof, steam heating, electric

lighting, fire doors, reinforcing bars. Contract
awarded to Boyd & Carmichael, 211 E. Wil-
low Grove avenue.

Garage, St. Martins, Philadelphia. Archi-
tects, De Armond, Ashmead & Bickley, 618
Chestnut street, Philadelphia. Owner,
Thomas G. Stockhausen, North American
Building, Philadelphia. Brick, 2 stories, 25x
35 feet, shingle roof, steam heating, electric
lighting, cement floors, gasoline pump and
storage system. Contract awarded to Eugene
Tourison, 1001 Chestnut street, Philadelphia.

Loft Building, northwest corner of Twenty-
third and Market streets, Philadelphia. Archi-
tect, Mahlon H. Dickinson, Empire Building,
Philadelphia. Owners, Kahn & Greenberg,
Morris Building, Philadelphia. Reinforced
concrete, 6 stories, 400x250 feet, composition
roof, steam heating, electric lighting, ele-
vators, steel sash, waterproofing and damp-
proofing. Contract awarded to Turner Con-
crete Steel Co., 1713 Sanson street, Philadel-
phia, for concrete work and brick work.

Library Building, McPherson Park, Phila-
delphia. Architects, Wilson Eyre & McIl-
vaine, 1003 Spruce street, Philadelphia. Own-
ers, Free Library of Philadelphia, J. Thomp-
son, Librarian, Thirteenth and Locust streets,
Philadelphia. Brick and terra cotta, 1 story,
35x125 feet; wing, 35x50 feet, tile roof (heat-
ing and electric work separate bids). Con-
tract awarded to F. A. Havens & Co., 845
North Nineteenth street, Philadelphia.

You can't achieve anything worth while,
whether it's peddling pills or discovering
uncharted rivers, without advertising. If
Columbus hadn't gone back and kicked up a
racket about it, nobody in the Old World
would have known yet that he had discovered
anything.

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceiling Board
SUPERSEDES PLASTER FOR
WALLS
AND CEILINGS

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
30 and 36 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

PENNSYLVANIA

Construction News

Church and Alterations to Sunday School, Harrisburg, Pa., \$65,000. Architect, A. A. Richter, Sixth and Court streets, Reading, Pa. Owners, Messiah Lutheran Church, Rev. Henry Henson, Harrisburg, Pa. Stone, 1½ stories, 60x100 feet, slate roof, steam heating, electric lighting, maple floors. Plans in progress.

Church, Lancaster, Pa., \$35,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Emmanuel Lutheran Church, Rev. P. George Sieger, Lancaster, Pa. Stone, 1½ stories, 50x80 feet, slate roof, steam heating, electric lighting, maple floors, ornamental plastering, metal lath. Plans in progress.

High School, Slatington, Pa., \$65,000. Architect, E. B. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, P. N. Snyder, Secretary, Slatington, Pa. Brick and stone, 2 stories, 90x130 feet, slate roof, mechanical warm air heating system, electric lighting. Plans in progress.

High School, Lehigh, Pa., \$80,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. F. Rehrg, Secretary, Lehigh, Pa. Brick, steel and stone or marble, 2 stories, 120x130 feet, slate or tile roof, metal lath, waterproofing, and dampproofing, concrete floors, composition flooring (mechanical warm air heating system, electric lighting, plumbing separate bids). Owners will advertise for bids December 1st.

Garage and Apartments (alt. and add.), Reading, Pa., \$10,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, George O. Runyon, Reading, Pa. Brick, concrete and steel, 1 story, 30x151 feet, slag roof, hot water heating, electric lighting, concrete floors, metal lath, metal doors, fire doors, ventilators, gas ranges, refrigerator (gasoline storage system reserved). Architect taking bids, due December 4th. The following are figuring: Municipal Construction Co., Daniel H. Hunter and Charles H. Schlegel, all of Reading, Pa.; Haupt & Rentz, Wyomissing, Pa.; and Adam Spatz, Wernersville, Pa.

High School, Lebanon, Pa., \$200,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, care John Selzer, Chairman Building Committee, Lebanon, Pa. Brick and reinforced concrete, 180x180 feet, tile roof, tile and marble

work, concrete floors, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due December 2d at 7.30 P. M. The following are figuring: Henry L. Brown, 1714 Sansom street; Cramp & Co., Denckla Building, both of Philadelphia; Beard Const. Co., Reading, Pa.; Titzel & Kuhn, Woolworth Building, and Wm. H. Flick, 615 E. Chestnut street, both of Lancaster, Pa.; P. W. Finn, Masonic Temple, Altoona, Pa.; Dawson Construction Co., May Building, Pittsburgh, Pa.; Connors Bros. & Co., 64 W. Eighty-eighth street, New York City; Melton Construction Co., Eleventh and H streets, N. W., Washington, D. C.; and J. F. Barnhardt & Co., Box 62, Harrisburg, Pa.

Residence, Narberth, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, A. C. Shand, Narberth, Pa. Brick and stone, 2½ stories, hot water heating, electric lighting, tile work. Architect taking bids, due December 3d. The following are figuring: Loos & Dohard, Commercial Trust Building; Eugene Tourison, 1001 Chestnut street; Monaghan & Losse, 214 South Twelfth street; Stacy Reeves & Sons, 2011 Market street; Wm. D. Smedley, Narberth, Pa.; Chas. C. Pace, Merion, Pa.; W. Harry Roberts, Ardmore, Pa.

Residence, Narberth, Pa., \$6,000. Architect, D. K. Boyd, northeast corner Fifteenth and Walnut streets, Philadelphia. Owner, James Artman, Narberth, Pa. Stone, hollow tile and frame, 2½ stories, 22x48 feet, shingle roof, hot water heating, electric lighting, tile work. Architect taking bids, due December 3d. The following are figuring: Monaghan & Losse, 214 South Twelfth street; Loos & Dohard, Commercial Trust Building; Eugene Tourison, 1001 Chestnut street; Stacy Reeves & Sons, 2011 Market street; Wm. D. Smedley, Narberth, Pa.; Chas. C. Pace, Merion, Pa.; and W. Harry Roberts, Ardmore, Pa.

Residence, Sewickley, Pa. Architects, Hiss & Weekes, 452 Fifth avenue, New York City. Owner, B. F. Jones, Pittsburgh, Pa. Stone, 3 stories, 40x120 feet, slag roof, hardwood floors, tile and marble work (heating, plumbing and electric work reserved). Architects taking bids, due December 1st. F. A. Havens & Co., 845 North Nineteenth street, Philadelphia, are figuring.

Residence, Garage and Gardeners Cottage, Rydal, Pa., \$30,000. Architects, Dohring,



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.BUILDING CONSTRUCTION
1215 Filbert Street, Philadelphia

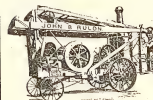
We please architects and satisfy owners
Both will recommend our work



Does Your
Roof Leak?

Tin and Slag
Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.2615-17 Frankford Ave. - Phila., Pa.
ESTD BLSH'D 1865**WELLS DRILLED**

Test Borings
Ask for Prices
JOHN B. RULON
1355 Colwyn Street
Philadelphia, Pa.

Even the best piece of machinery gets a
hot bearing once in a while.—Ex.

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building
Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

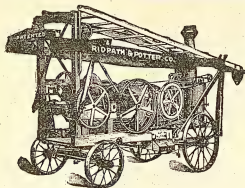
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA, PA.



JOHN GALLATIG
Practical Brick and Stone Painter

Old, dirty brick fronts not painted,
made like new

447 W. DAUPHIN ST., PHILA., PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. Henry C. Diamond, Rydal, Pa. Stone (whitewashed) 2½ stories; residence, 100x30 feet, electric lighting, hardwood floors, tile work. Plans in progress.

Residence and Garage, Oak Lane Park, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 27x46 feet, wing 20x25 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Plans in progress. Architects will take bids in about one week.

Residences (2), Springfield, Pa. Architects, Savery, Schetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Realty Co., Commercial Trust Building, Philadelphia. Stone, 2½ stories, slate roofs, hot water heating, electric lighting, oak floors, tile work. Plans about completed. Architects will take bids in a few days.

Residence and Garage, Mondenhall, Pa. \$35,000. Architect, Robeson Lee Perot, 34 S. Seventeenth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, slate roof, steam heating, electric lighting, tile work, parquet floors. Plans in progress.

Y. M. C. A. (add.), Allentown, Pa. Architects (associated), Louis E. Jallade, 37 Liberty street, New York City, and Ruhe & Lange, Allentown, Pa. Owners, Y. M. C. A., Allentown, Pa. Brick, steel and reinforced concrete floors, fireproof, 6 stories, 60x148 feet, slag roof, metal doors, metal sash, tile and terrazzo floors, reinforcing bars, waterproofing, fire escapes, metal lath (heating, plumbing, electric lighting, elevator and structural steel separate bids). Architects taking bids, due December 24. Fomeroy Construction Co., 1609 Ranstead street, Philadelphia, is figuring.

Bridge, Reynolds, Pa. Engineer, private plans. Owners, Atlas Powder Co., Dupont Building, Wilmington, Del. Concrete, 40x115 feet (sub-structure only). Owners taking bids, due November 30th. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Residence (alt. and add.), Malvern, Pa. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owner, George D. Rosengarten, 135 South Eighteenth street, Philadelphia. Stone, frame and plaster, 2½ stories, consists of new laundry, servants dining room and card room, tile work, electric lighting. Architects have received approximate bids.

Residence, Hazleton, Pa., \$9,000. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, James Lee Pardee, Hazleton, Pa. Hollow tile and plaster, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Archi-

teets taking bids, due December 1st. The following are figuring: Eugene Tourison, 1001 Chestnut street; H. G. Carson, 205 S. Forty-second street, Philadelphia; S. Y. Frederick & Son, Justus Schaub, George W. Woodring, all of Hazleton, Pa.

Automobile Factory, Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, The Autocar Co., Ardmore, Pa. Brick and steel (shell burning), 3 stories, 150x300 feet, slate roof, steam heating, electric lighting, elevators, fire doors. Plans in progress. Architects will take bids in about one week.

Tea House and Bakery (alt. and add.), Easton, Pa., \$6,000. Architect, Wm. Michler, Drake Building, Easton, Pa. Owner, Mrs. Matilda Felver, Easton, Pa. Stone and brick, 1 story, 20x56 feet, steam heating, electric lighting. Owner taking bids.

Church, South Bethlehem, Pa., \$20,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Russian Greek Orthodox Church, I. Marshalkevich, South Bethlehem, Pa. Brick, 1 story, 74x40 feet, slate roof, steam heating, electric lighting. Owners taking bids.

Residence, Easton, Pa., \$13,000. Architect, Wm. Michler, Drake Building, Easton, Pa. Owner, Wm. Prelwitz, Easton, Pa. Brick and stucco, 2½ stories, 48x33 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Owner taking bids.

Kitchen and Laundry Building (add.), So. Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, St. Luke's Hospital, South Bethlehem, Pa. Brick, 2 stories, 22x60 feet and 16x16 feet, slate roof, steam heating, electric lighting, concrete floors, waterproofing. Architect has received bids.

Residence (alt. and add.), Easton, Pa., \$12,000. Architect, Wm. Michler, Drake Building, Easton, Pa. Owner, Frank McKelvey, Easton, Pa. Stone, 2½ stories, 27x85 feet, slate roof, electric lighting, hardwood floors, tile work, dampproofing. Revised plans in progress.

Power House, Glenolden, Pa. Architect, private plans. Owners, H. K. Mulford Co., 428 South Thirteenth street, Philadelphia. Hollow tile and plaster, reinforced concrete roof on coal storage shed, 1 story, 40x30 feet, asbestos shingle roof (heating and electric work reserved). Builder, Thomas M. Seeds, 1207 Race street, Philadelphia, is taking sub-bids.

Bungalow, Mt. Pocono, Pa. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, Charles L. Gilliland, 6398 Drexel road, Philadelphia. Frame, 1 story, 75x32 feet, shingle roof, hot water heating, electric lighting. Architects taking bids, due December 3rd. The following are figuring:

R. O. SCHEEL, PRESIDENT

FLOORS

H. H. S. OGDEN, SECRETARY

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

J. S. Rogers & Co., Moorestown, N. J.; J. A. Shook & Co., Mt. Pocono, Pa.; A. Y. Hoffman, East Stroudsburg, Pa.

Residence, Bryn Mawr, Pa., \$7,000. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, George R. Souder, Bryn Mawr, Pa. Brick and plaster, 2½ stories, 30x30 feet, shingle roof, hot water heating, tile work, electric lighting, hardwood floors. Plans in progress.

Residence, Moylan, Pa. Architect, C. H. Johnston, Jr., St. Paul, Minn. Owner, A. H. Downing, Moylan, Pa. Brick and frame, 2½ stories, 33x39 feet, shingle roof, oak floors, tile work, electric lighting, warm air heating. Owner taking an additional bid, due December 4th. Graham-Campion Co., Heed Building, Philadelphia, is figuring.

Residence, Rosemont, Pa. Architect, A. M. Adams, 1012 Walnut street, Philadelphia. Owner, Alba B. Johnson, Jr., Rosemont, Pa. Stone and half timber, 2½ stories, 25x60 feet, slate roof, oak floors, tile work (heating, plumbing and electric work separate bids). Architect taking bids, due December 6th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; Frank E. Wallace, 1220 Chancellor street; Charles C. Pace, Merion, Pa.; Gray Bros., Rosemont, Pa.; F. H. Mahan, Ardmore, Pa.

Machine Shop, Ardmore, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Joseph J. Neff, Ardmore, Pa. Brick, 1 story, 25x40 feet, slag roof, electric lighting, cement floor. Architect taking bids, due December 10th. The following are figuring: W. Harry Roberts,

L. D. Spencer, E. J. Tiernan, Frank H. Mahan, Brinton & Brinton, Morris Barr, all of Ardmore, Pa.

School Building, Darlington, Pa. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, Glen Mills Schools, Bailey Building, Philadelphia. Hollow tile and plaster, 1 story, 60x116 feet, slate roof, tile work, metal lath, waterproofing (heating and electric work reserved). Architects taking bids, due December 7th. The following are figuring: Specht & Sperry, Heed Building; Frank E. Wallace, 1220 Chancellor street; William R. Dougherty, 1610 Sansom street; James B. Flounders, 1329 Arch street; Roydhouse-Arey Co., Fidelity Building; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia; Plummer E. Jefferis, West Chester, Pa.

Automobile Factory, Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, The Autocar Company, Ardmore, Pa. Brick and steel, 3 stories, 150x300 feet, consists of main building, boiler house and blacksmith shop, slag roof, reinforcing rods, steel sash, fire doors, dampproofing (plumbing, heating, electric work, power equipment and elevators reserved). Architects taking bids, due December 7th. The following are figuring: William R. Dougherty, 1610 Sansom street; A. R. Raff, 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; H. E. Baton, Twelfth and Sansom streets; Frank G. Stewart, 1619 Sansom street; Fidelity Construction Co., Heed Building; H. E. Grau Co., 1707 Sansom street; A. J. Robinson Co., 123 East Twenty-third street, New York City.

PENNSYLVANIA

Contracts Awarded

Gateway, Elkins Park, Pa. Architects, Day & Kaluder, 925 Chestnut street, Philadelphia. Owner, Theodore Voorhees, Reading Terminal, Philadelphia. Brick and ornamental iron, reinforcing rods, electric lighting. Contract awarded to John Duncan, 930 Walnut street, Philadelphia.

Mission House, Wayne, Pa., \$8,000. Archi-

itects, D. K. Boyd & V. D. Abel, Fifteenth and Walnut streets, Philadelphia. Owners, John Miller Memorial Baptist Young People's Union of the Central Baptist Church, Wayne, Pa. Stone, terra cotta blocks and plaster, 2 stories, 33x66 feet, shingle roof, hot water heating. Contract awarded to J. D. Lengel, Wayne, Pa.

NEW JERSEY

Construction News

Factory, Boiler House and Garage, Elizabeth, N. J., \$40,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Gas Accumulator Co., Perry Building, Philadelphia. Reinforced concrete and brick, 2 stories, 60x250 feet, slag roof, steam heating, electric lighting. Architects taking revised bids, due December 1st. The following are figuring: The Amsterdam Const. Co. and the United Fireproofing Co., both of New York City; American Concrete Steel Co., Newark, N. J.; Frank Kilgus, Passaic, N. J.; and Stone & Webster Engineering Co., New York City.

Residence, Moorestown, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, Walter S. Lippincott, Stnawick, N. J. Frame, 2½ stories, 35x34 feet, shingle roof, hot water heating, electric lighting, tile work, oak floors. Owner taking bids. The following are figuring: J. S. Rogers Co., Stewart L. Maines, W. A. Richman and Harvey Vennel, all of Moorestown, N. J.

Residence, Merchantville, N. J. Architect, Charles R. Peddle, 136 South Fourth street,

Philadelphia. Owner, Charles Floyd Dickinson, 313 North Third street, Camden, N. J. Stone, 2½ stories, shingle roof, hot water heating, hardwood floors, electric lighting. Plans in progress. Architect will take bids in about ten days.

School, Paulsboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, 1509 Arch street, Philadelphia. Brick, limestone trimmings, 2 stories, 30x100 feet, slate roof, metal lath, kalamein doors, slate blackboards, dampproofing, concrete floors, reinforcing bars, safety treads (heating, plumbing and electric work separate bids). Owners taking bids, due December 7th. The following are figuring: Jas. P. Connor, 1317 Arch street; James P. Farrell & Co., 1619 Sansom street, Philadelphia; W. R. Titus, Woodbury, N. J.; George W. Shaner & Son, Palmyra, N. J.; H. J. Wenzelberger, Phillipsburg, N. J.; Joseph D. Rowen, Moorestown, N. J.; Richman Const. Co., Moorestown, N. J.; Lear & Phifer, Atlantic City, N. J.

Factory, Jersey City, N. J., \$70,000. Architects, Neff & Thames, Heed Building, Phila-

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.
622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

delphia. Owners, Davis-Bournonville Co., Jersey City, N. J. Reinforced concrete, 3 stories, 50x200 feet, slag roof, steam heating, electric lighting, elevators. Builders, John N. Gill & Co., Heed Building, Philadelphia, taking sub-bids.

Apartment House, Stone Harbor, N. J., \$8,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, South Jersey Realty Co., care of S. Dilks, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 41x50 feet, slag roof, steam heating, electric lighting, dampproofing. Plans about completed. Owners will take bids in about one week.

Residences (5), Bradley avenue, Camden, N. J. Architect, private plans. Owner, William Zeager, 1467 Haddon avenue, Camden, N. J. Brick, 2 stories, 15x49 feet each, slag roofs, hot air heating, gas lighting. Owner is sub-letting all contracts.

Residences (12), Van Hook street, Camden, N. J. Architect, private plans. Owner, John Makel, 1163 Morton street, Camden. Brick, 2 stories, 14x28 feet each, slag roofs, hot air heating, gas lighting. Owner is sub-letting all contracts.

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

NEW JERSEY Contracts Awarded

Garage and Greenhouse, Riverton, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, F. S. Groves, Jr., Riverton, N. J. Hollow tile and plaster, 2½ stories, 25x25 feet, slate roof, hot water heating, electric lighting, gasoline pump and storage system. Contract awarded to Joseph Kolster, Beverly, N. J.

Residence and Garage, Newark, N. J. Architect, private plans. Owner, name withheld. Frame and stucco, 2½ stories and 1 story, 32x30 feet and 18x20 feet, tile roofs, hot water heating, tile work, oak floors, cement floors. Contract awarded to Wm. J. Grahler Co., 219 High street, Germantown.

Residence, Moorestown, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, H. U. Bourneau, Moorestown, N. J. Brick, 2½ stories, 30x32 feet. Shingle and tin roof, hot water heating, elec-

tric lighting, oak floors. Contract awarded to Harvey Vonnell, Moorestown, N. J.

Hotel, Atlantic City, N. J., \$500,000. Architects, Hewitt & Granger, Bullitt Building, Philadelphia. Owners, Newlin Haines Co., St. Charles Hotel, Atlantic City, N. J. Reinforced concrete and brick, 12 stories, 85x48 feet, composition roof, steam heating, electric lighting, concrete floors, metal lath, elevators, waterproofing and dampproofing. Contract awarded to Cramp & Co., Denekla Building, Philadelphia.

Church, Trenton, N. J., \$10,000. Architects, Kleiman & Fowler, First National Bank Building, Trenton. Owners, Trenton Baptist Mission Society of the Italian Baptist Church. Brick and concrete, 1 story, 62x39 feet, slate roof, steam heating, electric lighting. Contract awarded to Burton & Burton, American Mechanics' Building, Trenton, N. J.

Miscellaneous Construction News

Residence (alt. and add.), East Jaffery, N. H. Architect, Mantle Feilding, 518 Walnut street, Philadelphia. Owner, name withheld. Frame and shingle, shingle roof, 2½ stories, hot water heating, electric lighting, plumbing, new 2-story addition, 30x20 feet. Contract awarded to Wm. J. Grahler Co., 219 High street, Philadelphia.

Home (add.), Buffalo, N. Y. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owners, Buffalo Society for Prevention of Cruelty to Children, care Mr. Harry Ramsell, President, Buffalo, N. Y. Brick, 2 stories, 60x100 feet, slag roof, steam heating. Plans completed. Architects ready for bids.

Garage and Laundry, Kennett pike, Wilmington, Del. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Stone, 2 stories, slate roof, steam heating, electric lighting, tile work. Plans in progress.

Laboratory Building, Wilmington, Del. Architect, Robeson Lea Perot, 34 South Seven-

teenth street, Philadelphia. Owner, name withheld. Brick, terra cotta, steel and concrete, 1 story, 90x110 feet, steam heating, electric lighting, metal lath, tile work. Plans in progress.

Shop Buildings (alt. and add.), Wilmington, Del., \$75,000. Architect, private plans. Owners, Harlan & Hollingsworth Corporation, Wilmington, Del. Consists of paint shop, brick and concrete, 1 story, 50x120 feet; alterations to boiler house and concrete foundations for crane and stack, slag roofs, reinforcing bars. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Office Building (add.), Wilmington, Del., \$300,000. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owners, The Dupont Co., Dupont Building, Wilmington, Del. Brick, steel and terra cotta, concrete floors, fireproof, 12 stories, 106x110 feet, composition roof, steam heating, electric lighting, elevators, marble work. Plans in progress.

MARYLAND Construction News

Ice Cream Factory, 17 to 21 East Pratt street, Baltimore, Md. Architects, C. T. Cooley & Co., Century Building, Pittsburgh, Pa. Owners, Maryland Ice Cream and Fruit Products Co., on premises. Brick, concrete and steel, 2 or 3 stories. Details not decided. Plans in progress.

Garage, 27 to 31 South Charles street, Baltimore, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owners, Mid-City Garage and Moto Supply Co., care of John W. Frick, 309 Keyser Building, Baltimore, Md. Brick, concrete and steel, 2 stories. Details not decided. Plans about to be started.

Apartment House, Carlisle avenue and Denison street, Baltimore, \$30,000. Architect, private plans. Owner, Paul E. Kesterson, 3401 Carlisle avenue, Baltimore. Brick, 3 stories, 40x60 feet, slag roof, steam heating, electric lighting. Owner taking bids. The following

are figuring: Turner Bros., Union Trust Building; McLoughlin Bros., 915 Bolton street; Murray & Haynes, 1711 McCulloh street; Gladfelter & Chambers, 729 Roland avenue; Burns & Russell, 1112 Cathedral street, all of Baltimore, Md.

Residences (26), North Elwood avenue, Baltimore, Md. Architect, private plans. Owners, J. L. White Realty Co., of Potomac and Monument streets, Baltimore. Brick, 2 stories, slag roof, steam heating. Owners are subletting all contracts.

Residence, Guilford, Md. Architect, E. L. Palmer, Jr., 408 Roland avenue, Baltimore. Owner, Dr. L. F. Barker, 1035 North Calvert street, Baltimore. Brick and stucco, 2½ stories, slate roof, hot water heating, electric lighting. Plans in progress.

Residences (26), East Twenty-seventh street, Baltimore. Architect, G. B. Lohmuel-

ler, 1735 North Broadway, Baltimore. Owners, Annex Construction Co., Twenty-seventh and Barclay streets, Baltimore. Brick, 2 stories, slag roofs, hot air heating. Owners taking sub-bids.

Theatre, 404 and 406 North Howard street, Baltimore. Owners, Howard Amusement Co., Baltimore. Brick and steel, 1 story, slag roof, steam heating, electric lighting. Owners taking bids. The following are figuring: C. E. Stubbs, Equitable Building; Richardson & Williams, Equitable Building; John J. Moylan, 117 East Center street; Singer-Pentz Co., Equitable Building; Joseph Schamberger, 2122 East Baltimore street; Blake & Eagle, Law Building; Henry S. Rippel, 7 Clay street, all of Baltimore, Md.

Maryland Contracts Awarded

Coal Pier, Curtis Bay, Md. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore, Md. Concrete and steel, 700x111 feet, wood or concrete pile foundations, reinforcing bars, metal sash, metal lath, composition roof, waterproofing. Contract awarded to H. S. Kerbaugh, 6 Church street, New York City.

Parish House, Augusta and Massachusetts avenue, Baltimore. Architect, Fred Wright, 155 Augusta avenue, Baltimore. Owners, St. James' P. E. Church, on premises. Brick, stone trimmings, 2 stories, 30x60 feet. Contract awarded to E. W. Gorman, 201 Augusta avenue, Baltimore, Md.

Residences (3), Reistertown road, Baltimore. Architect, F. Beall, 306 West Paul street, Baltimore. Owner, Dr. W. J. Kasten, 2008 Eutaw place, Baltimore. Brick, 2 stories, 16x50 feet each, slag roof, steam heating, electric lighting. Contract awarded to W. T. Childs, 14 West Twentieth street, Baltimore, Md.

Permits for New Buildings

Alonza Rowland (O), 4332 Pechin street. Cost, \$6,000. Four dwellings, stone and brick, 14x41 feet, Conarroe and Ridge avenue.

H. & W. Tutelman (O), American and Jefferson streets. Wm. Lowenthal (C), 1208 Chestnut street. Manufacturing building, brick and steel, 2 stories, 80x34 feet. Cost, \$5,500. Phillips and Jefferson streets.

Thos. J. & Jos. R. Whelan (O), 1011 Chestnut street. Cost, \$66,500. Nineteen dwellings, brick, 2 stories, 15x47 feet, Fifty-seventh and Warrington streets.

F. & M. Feldman (O), 410 McKean street. Cost, \$43,500. Twenty-five dwellings, brick, 2 stories, 16x34 feet, Mildred and Shunk sts.

Goldstein & Levitt (O), 438 Emily street. Cost, \$2,000. Store and dwelling, brick, 2 stories, 17x40 feet, 1310 South Second street.

Walter Boswell (O), Martins Mill road and Knorr street. M. Stevens (C), 910 Renshaw street. Dwelling, 3 stories. Cost, \$2,400. Martins Mill road and Knorr street.

Wolf Kolman (O), 2954 Frankford avenue. J. Rose & Son (O), 5121 Brown street. Cost, \$3,800. Dwelling, brick, 3 stories, 16x58 feet, 2954 Frankford avenue.

Robert T. Corson (O), 5011 Penn street. M. E. Rodgers (C), 7732 Cottage street. Cost, \$5,600. Five dwellings, brick, 2 stories, 13x35 feet, Tackawanna and Wilmot sts.

Supplee Alderney Dairy (O), Eleventh and Jefferson streets. Chas. H. Casper (C), 48 North Fifteenth street. Cost, \$35,000. Factory, brick, steel and concrete, 3 stories, 100x100 feet, 3335 Ludlow street.

A. S. Tourison, Jr. (O), 7014 Bower street. Cost, \$15,000. Dwelling and garage, stone, 3 stories, 70x30 feet, Mt. Pleasant avenue and Anderson street.

Alterations and Additions

J. & J. Dobson, Inc. (O), Falls of Schuylkill. H. W. Geshwind (C), Heed Building. Cost, \$500. Toilet building, Crawford and Ridge avenue.

Franklin Trust Co. (O), Fifteenth and Market streets. Ed. Stonehill (C), 6325 Race street. Cost, \$1,500. Garage, 707-09 East Girard avenue.

Harry T. Saunders (O), 31 South Eighteenth street. Herman Voigt (C), Twenty-eighth and Thompson streets. Cost, \$4,500. Machine shop, 2215-17 Race street.

Robt. Miller (O), 1812 W. Susquehanna avenue. M. Yellin (C), 712 North Franklin street. Cost, \$730. Store and dwelling, 1812 W. Susquehanna avenue.

Renx Alvez (O), Hale Building. E. J. Kreitzburg (C), 1345 Arch street. Cost, \$2,675. Store building, 1225 Vine street.

Jos. Kamps (O), 5000 North Eleventh st. Tobias Greg (C), 4511 North Nineteenth st. Cost, \$4,200. Stores (5), Fifteenth and Bristol streets.

City of Philadelphia (O), City Hall. John Maxwell's Sons (C), Thirtieth and South streets. Cost, \$450. Draughtsmen room, Thirtieth and South streets.

Frank Jacquinto (O), 5335 Magnolia ave. Cost, \$600. Dwelling, 5335 Magnolia avenue.

Baxter, Kelly & Faust (O), Tioga and C streets. W. E. S. Dyer (C), Land Title Building. Cost, \$1,000. Machine shop, Tioga and Arbor streets.

House of Rest (O), 5919 Wayne avenue. Wm. C. Wright (C), 22 Harvey street. Cost, \$3,800. Home, 5919 Wayne avenue.

A. L. Smith (C), 45 E. Penn street. Wm. C. Wright (C), 22 Harvey street. Cost, \$600. Dwelling, 45 E. Penn street.

Frederick Starson (O), 1340 North Fourth street. Otto Reinke (C), 2821 E. Ontario street. Cost, \$500. Stable, Allen and Wensley streets.

Geo. W. Hedderson (O), 3037 North Fifteenth street. Wm. H. Schultz (C), 3240 N. Carlisle street. Cost, \$900. Garage, brick, 1 story, Fifteenth and Toronto streets.

H. C. Beury (O), 3216 North Sixteenth st. H. A. L. Smink (C), 5320 North Twelfth st. Cost, \$500. Dwelling, 3216 North Sixteenth street.

M. R. Pinky (O), 1126 Broadway, Camden, N. J. J. J. Newborn (C), 1761 North Eighth street. Cost, \$450. Store and dwelling, 904 North Seventh street.

Samuel Shechter (O), 616 Mifflin street. Cost, \$500. Dwelling, 619 Watkins street.

Bennett & Aspden Co. (O), Pechin and Kraus streets. H. R. Kewick, Inc. (O), Drexel Building. Cost, \$1,325. Chimney, Pechin and Kraus streets.

Barrett Mfg. Co. (O), Frankford, Philadelphia. A. L. Carhart (C), Hale Building. Cost, \$2,500. Locker room, Tucker and Bermuda streets.

Baldwin Locomotive Works (O), 500 North Broad street. Irwin & Leighton (C), 126 N. Twelfth street. Cost, \$50,000. Shop, Eighteenth and Buttonwood streets.

L. Dannebaum & Sons (O), 806 Arch street. F. G. Stewart (C), 1619 Sanson street. Cost, \$2,800. Store, 920 Market street.

Lifter Ice Cream Co. (O), 220 Lombard st. Cost, \$1,000. Storage, 220-22 Stamper street.

Rodenhausen Excelsior Wagon Works (O), 1445 N. Hutchinson street. Concrete Const. Co. (C), Cost, \$5,000. Storage, 1445 North Hutchinson streets.

M. Rosenbaum (O), Third and South sts. Louis Sverdlhoff (C), 2345 South Beulah st. Cost, \$1,900. Factory, Meadow and Jackson streets.

Eugene Ellwanger (O), 2101 Hunting Park

avenue. Stocker & Hastings (C), 1320 North Carlisle street. Cost, \$2,000. Store and dwelling, 2102 Hunting Park avenue.

Friedberger Aaron Mfg. Co. (O), Eighteenth and Courtland streets. Wm. Steele & Sons (C), 1600 Arch street. Cost, \$1,500. Shed, Eighteenth and Courtland streets.

Clarkson Fogly (O), 4520 Osage avenue. F. L. Hoover & Sons (C), 1023 Cherry street. Cost, \$400. Dwelling, 1015 South Forty-seventh street.

Pinesch Comp. Co. (O), 303 South Thirtieth street. Walker Diamond (C), 2048 E. York street. Cost, \$830. Manufacturing building, 303 South Thirtieth street.

Wm. E. Gaunt (O), Fifty-fourth and Woodland avenue. Barkin Bros. (C), 926 Snyder avenue. Cost, \$1,100. Store and dwelling, Fifty-fifth and Kingessing avenue.

F. A. England (O), 6715 North Sixth street. Cost, \$800. Dwelling, 6715 North Sixth st. Frank Caldarone (O), 1518 Moore street.

P. Grovdana (O), 724 Salter street. Cost, \$425. Store and dwelling, 1521 South Eighth street.

Penn Laundry (O), 319 North Thirty-second street. H. E. Brown Heating & Vent. Co. (C), Builders Exchange. Cost, \$700. Laundry, 325-7 North Thirty-second street.

Congregation Love of Israel (O), 2303 Mascher street. H. E. Brown H. & V. Co. (C), 34 South Seventh street. Cost, \$1,000. Synagogue, 2302 Mascher street.

G. A. Carson (O), State road and Delaware river. H. E. Brown H. & V. Co. (C), 34 S. Seventh street. Cost, \$400. Garage, State road and Convent lane.

Dan Duffey (O), 3255 North Front street. J. W. Mortimer (C), 3024 E street. Cost, \$500. Wagon shed, 3255 North Lee street.

S. W. Cooper (O), 2210 Pine street. R. P. Clark (C), 1937 Broadway street. Cost, \$1,800. Dwelling, 2305 Delancey street.

City of Philadelphia (O), City Hall. Jas. Connor (C), 1317 Arch street. Cost, \$7,200. Police station, Ruan and Paul streets.

Robt. Mokenholme (O), 500 Pelham road. A. L. Fretz & Son (C), 1222 Chancellor st. Cost, \$1,800. Warehouse, 436 North Third street.

If you've got a specialty that will command itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pipkin that there is either something better on the market or your specialty isn't worth a kopeck noway.

Without energetic effort a man must remain in a rut and can never expect to share with his hustling, up-to-date competitor. Quoting the words of a gifted scribe: "Health attends the man who acts. Wisdom guides him. Hope frees him. Joy helps him. Power moves him. Progress marks him. Fame follows him. Wealth rewards him. Love chooses him. Fate obeys him. God blesses him. Immortality crowns him."

Some big guns are smooth bores.—Ex.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 20, 1915.—Sealed proposals will be opened in this office at 3 P. M., December 30, 1915, for the construction complete (including mechanical equipment and approaches) of a two-story and basement stone and brick-faced building of 4,128 square feet ground area, fireproof construction, composition roof, for the United States post office at Ridgway, Pa. Drawings and specifications may be obtained from the custodian at Ridgway, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 16, 1915.—Sealed proposals will be opened in this office at 3 P. M., December 28, 1915, for the construction, complete (including mechanical equipment [except lighting fixtures] and approaches), of a one-story-and-basement brick-and-stone or terra-cotta faced building of 5,050 square feet ground area, first floor of fireproof construction, composition roof, for the United States post office at Seymour, Conn. Drawings and specifications may be obtained from the custodian of the site at Seymour, Conn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 29, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 10, 1916, for the construction of a two-story and basement stone and brick faced building of 5,400 square feet ground area, fireproof construction throughout, composition roof, for the United States post office at Titusville, Pa. Drawings and specifications may be obtained from the custodian of the site at Titusville, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . . R. R. Shuman, in "Standard Advertising."

Are you a regular subscriber to "The Guide"?

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., DECEMBER 1, 1915.

AMERICAN INSTITUTE OF ARCHITECTS

(Organized 1857)

OFFICERS FOR 1915

President. *R. Clifton Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerhacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year.—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years.—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years.—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. OF A.

President. Horace Wells Sellers
First Vice-President. J. P. B. Sinkler
Second Vice-President. Milton B. Medary, Jr.
Secretary. Edward A. Crane
Recorder. Arthur I. Meigs
Treasurer. Edmund C. Evans
Executive Committee.—Elliston P. Bissell,
Charles Z. Klauder, Walter H. Thomas.

T SQUARE CLUB.

President. John F. Harbeson
Vice-President. Herman L. Duhring
Secretary. Wilbur H. Tusler
Treasurer. Walter Mellor
Directors.—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzinger.

Editorial Comment

There is a feeling in the building trade that the man who contemplates building will be wise to "do it now." Not because of any pressing danger that labor will be dangerously scarce, but because building material, in the judgment of men who should be in a position to know, is due to advance and to advance rather sharply right after the first of the year.

"Satisfied early in the year that the war was going to have a continued depressing effect upon construction, building material manufacturers, with hardly an exception, decided to limit their stocks this year. They had experienced considerable stress in 1913 and the latter part of 1914 from over stocks, in a dull market," comments a writer in the "New York Real Estate Record." "This time they were going to be prepared. So they reduced their capacity.

"Just at about the time when the fall reaction in building construction normally develops, building conditions began to show gains. August showed more plan filings than for any single month since July, 1912. September gained over August by 22.9 per cent., and October showed 37.1 per cent.

"The flotation of the Allies loan brought confidence. A market for our cereals and mill products was assured whether the Dardenelles were opened to the wheat fields of Russia or not. Rates of exchange automatically regulated themselves. Stocks began to be purchased and building money, notably in mortgages, became easier. That released a great quantity of construction work that had been held back for a year or more.

"In April of this year Portland cement was down to \$1.23 a barrel. Dealers bought heavily. Their yards were filled. In September they were receiving their last shipments at that price from the mills. In October prices were at \$1.52 a barrel and practically all the unprecedented stocks of \$1.23 cement had gone into construction. By the end of October all the \$1.48 cement had been sold, \$1.52 prices were stiff and on November the 1st the price went up to \$1.67, with dealers anxiously inquiring what prospects there were for getting cement at that price after thirty days.

* * *

"In March of this year common Hudson brick was selling at \$5.50 and \$6.00 a thousand, dock, New York wholesale dealers. Manufacturers had some 400,000,000 still unsold from last year. On August 1 the price of this commodity had dropped to \$5.25 and \$5.75. Manufacturers were in despair and were ready to close their plants down with less than half normal quota. There had been a strike, not wholly regretted by manufacturers, at Haverstraw early in the brick making season. But when it became known that in August a gain of 13.7 per cent. had been made in building construction brick manufacturers changed their mind about closing down. They

tried to get moer men, but other mills offered more money and men were hard to get. In the meantime prices in a dull building market in this city stayed steady at low levels until on October 9 prices were found to be at \$6.50 and \$7 a thousand, and not a great quantity of future brick available. Dealers had not stacked to any extent, so that the market was extremely tight at those levels and was considered firm.

"To further aggravate building material conditions, ideal building weather prevailed almost continuously from September 1 to the second week in November. Construction work went ahead sasleldom before in New York at this time of the year. Operations were rushed to completion for the October renting season, and so were other operations that were not scheduled to be completed until after the first of the year. This condition prevailed until it was suddenly discovered that the railroads were all congested with freight. The Panama Canal slides had shut out quantities of Oregon pine and other lumber from the far West. Every available steam packet doing a coastwise traffic had been chartered for foreign freight service, barges down the bay were impressed into floating storehouses and even premiums were unavailing in moving freight.

* * *

"If ever there was a case of unpreparedness in the U. S. A. it is right now in the matter of making a meagre supply keep up with demand for building materials. Concrete ingredients, for instance, are particularly hard pressed. Trap rock, ordinarily used for concrete bond, where gravel is not used, has advanced five cents a cubic yard and may go higher. The other alternative is gravel, which has been advanced between five and ten cents a cubic yard. All steel reinforcement material is higher by ten cents a pound than it was four months ago. Even sand has gone up five cents a cubic yard.

"Leaders of thought in the building material and equipment market have been forced to consider possible eventualities should a demand develop from Europe for American quick-assembling building materials like hollow clay tile, Portland and natural cement, lumber, sheet metal, glass and insulating material for houses.

"According to reliable authorities investigating the destruction wrought in France during the war, the structural damage to property in the city of Lille, France, amounts to \$300,000,000, estimated as cost of reconstruction of all buildings damaged. This is about what the destruction to property in San Francisco was at the time of the fire. But when there are several hundred cities and towns laid in almost equal waste in all parts of France, Belgium, Servia, Bulgaria, Greece, Turkey, Russia and, to some extent in Germany, not to mention the damage wrought

by air raids in England, the possible demand for construction material reaches unimaginable figures.

"Under normal conditions, foreign production of Portland cement alone is shown in the accompanying table:

	Bbls. Produced.	Estimated Population.	Per Cap. Consum., Bbls.
England	16,000,000	45,000,000	.355
Germany	40,000,000	65,000,000	.621
France	3,500,000	39,300,000	.089
Russia	3,000,000	160,000,000	.0189
Belgium	1,500,000	7,300,000	.2054
Austria-Hun.	4,500,000	50,000,000	.09
United States....	92,000,000	95,000,000	.97

* * *

"With 78 per cent. of the individual and mining section of France laid waste by an invading army, all machinery either removed or destroyed, and her men incapacitated, it is apparent that she will not immediately be able to help herself in the reconstruction work and feed her people and shelter them. The percentage of France's iron, steel and coal industry under German control is as follows: Coal, 88.8; coke, 78.3; iron ore, 90; pig iron, 85.7; puddle iron and puddle steel, 62.4; steel billets, 76; rails and sleepers, 76; girders, 88.3; sheets, 63.2; wire, 100; steel castings, 76.9. France has never been a large user of cement for house construction. She had used brick and stone. But now, with fewer men to make brick and hew the stone, it is looking for foreign supplies to help her house her people and quick-assembling materials are being inquired for. Already there has been received very definite proposals for Portland cement running in volume from 1,000,000 to 3,000,000 barrels.

"If this demand should develop, and it is assumed that if it already has developed in France, similar inquiries will develop in other countries, people here at home are beginning to ask where will building material prices go to? So speculative elements have entered the material field and while manufacturers are protecting regular customers, it is likely that prices will continue to rise further, especially if construction continues throughout the country. This will not be probable until after the railroads get into the supply market, but they have already begun to buy. It is a good time for building projectors to be properly prepared."

* * *

So, our advice to you, Mr. Investor, is to get busy if you propose to build. The signs are many and convincing that point to a big jump in material costs within the next few months.

* * *

The 49th annual convention of the American Institute of Architects takes place at Washington this week on December 1, 2, and 3.

Philadelphia will be represented this year by D. Knickerbacker Boyd, former Secretary of the Institute; Edward A. Crane, Charles L. Borie, Jr., Frank Miles Day, C. C. Zantlinger, and Horace Wells Sellers.

Matters of considerable importance to the profession are to be taken up at this session, which promises to be of more than passing note.

To commercial activities, prosperity is like a freshening breeze to sails in a calm. It is positive, hopeful, inspiring. Believing that a forceful, concentrated, co-operative campaign along carefully chosen lines will hasten an era of prosperity, thousands of active workers of the electrical industry have inaugurated a business movement that will be the greatest trade campaign in history. The celebration is known as "Electrical Prosperity Week."

The week from November 29 to December 4 is a country-wide six-day celebration. Its purpose is to show to the public how electricity, the all-pervading force of the universe, the greatest, most willing and most reliable servant in the world—is indissolubly linked with present-day progress. The great celebration will herald far and near electrical wonders of which millions do not know, possibilities of which they have never dreamed, facts which will surprise the most optimistic. It will demonstrate, advocate, promulgate—electricity.

The movement for Electrical Prosperity Week originated with the Society for Electrical Development, Inc., with headquarters at New York. The president of the society is Mr. Henry L. Doherty, known and respected throughout the country wherever a dynamo or a wire is strung. The general manager is Mr. J. M. Wakeman. The other officers, likewise, are known among electrical men from coast to coast. They are men with a record of achievements. The staff work of the society is carried on by competent publicity and sales experts of long and varied experience in their respective lines.

To carry on the campaign the entire country has been divided into districts, each under the supervision of a local committee which will render special assistance to the society in the carrying out of the plans for the particular territory.

The schools, the churches, the stores, the great industrial plants and factories, the street cars, vehicles—every element of activity will be urged to join in having "Electrical Prosperity Week" show most conclusively to the people that electricity is a necessity, not a luxury; is economical, not expensive; is simple, not complex; is general in scope, not limited; is safe, not dangerous; is useful every day in the week.

* * *

Leslie W. Miller, principal of the Pennsylvania Museum's School of Industrial Art, has an article in the current number of "The Town Development Magazine" that points out the value of certain phases of art training on the industrial welfare of a people.

"The example of every city in Europe, whose experience is worth much to us as a guide, is a unit regarding this matter, and until the significance of this example is grasped by those in authority in America we cannot hope for any very substantial improvement in the quality of our industrial products.

"It is quite true that education alone will never solve the problem. The results which

it achieves must be backed up and applied in a way to which we in this country are not much accustomed, but, all the same, it furnishes the proper, if not the only available method of attack. A single concrete example will show what I mean better than any amount of general pleading. The air is full of anxiety and lamentation over our present helplessness in the matter of dyestuffs. If industrial education and the lessons it has to teach had been better developed among us the present situation need never have arisen.

"Frankly I experience a certain grim satisfaction in contemplating it and feeling that it serves us exactly right, being, in fact, nothing more nor less than the perfectly logical result of our systematic and long continued neglect of the first principles of national preparedness, which, by the way, as this will help to remind us, is not a purely military question by any means. One of the very first lessons which the establishment of the Textile School as a department of the School of Industrial Art, here in Philadelphia, had to teach, was the futility of expecting any substantial improvement in textile manufacture without a corresponding improvement in our methods of dyeing, and very naturally, the first corollary to suggest itself in this connection was the obvious fact that independence and progress in methods of application were inconsistent with dependence on German manufacturers for the materials employed.

"The lessons involved were learned quickly enough by those in touch with the school and it is not their fault that their import has failed to be grasped long before this by those on whose influence the community must ultimately depend to give them their full effect. Now what is true of the dyestuffs is true of innumerable other things. The School of Industrial Art not only trains a large number of accomplished workers, it points the way along which the industrial development of the community must proceed if it is to proceed at all. The most encouraging, as it is perhaps the most conspicuous, feature of the tendencies which characterize the life of the present day is the growing recognition of good taste as a controlling element in the conduct of human affairs.

"We worshiped long and devoutly at the shrine of utility and sacrificed on the altar of cheapness, misnamed economy, the offerings which should have been made to beauty. We are beginning to realize the extent of our mistake, and to learn that even in a material sense nothing pays so well as the really beautiful, so that the spiritual increment which attends its pursuit is all clear gain.

"In the ideal City Beautiful of the future the municipal School of Industrial Art will be impressively housed as it is for example in Vienna to-day, in buildings which by their beauty and dignity as well as by the commanding situation which they occupy embody unmistakably the generous and general recognition, official as well as popular, of the part which this education agency plays in the life of the community."

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



That high prices do not always and infallibly mean high quality is the opinion of "The Iron Age."

"It is not infrequently noticed that a manufacturing concern will advertise that its product commands a higher price than competing products, due to the care which is exercised in manufacture, with a resulting higher quality of finished product," remarks "Iron Age." "The idea that high price necessarily means high quality is one that has obtained a firm grip upon the minds of a large portion of the public. As a matter of fact, in many cases the reverse is true. High price can, and often does mean, an inferior grade of workmanship.

"The manufacturer who has built up his business to a point where he produces in large quantities has found it not only desirable but necessary to standardize his manufacturing. He does it to such an extent that the various parts of his product will go together with little or no fitting when they reach the assembly floor. This condition of affairs presupposes a high standard of maintenance in his tools and equipment, and the establishment of rigid standards of quality in the product of his machines, both as regards limits of error in workmanship and the degree of finish given to the various parts. It also presupposes an inspection system of the most rigid character which will reject, before they reach the assembly floor, all parts which are defective as regards size, quality and finish. Therefore all material which is assembled into the final product represents workmanship only of the highest class. Quantity production could not be carried on if any of these features were neglected.

"On the other hand, the manufacturer who has not reached the stage of quantity production is not handicapped by having to dis-

pose of a great volume of component parts each day. He can spend more time in fitting the parts to each other and in correcting defects in workmanship. Such a procedure costs money, and it is much better both from a manufacturing standpoint and from that of the cost of the product to finish a part to size in the original operation than to depend upon filing and scraping on the assembly floor. A visit to many of the shops which advertise high quality as an excuse for high price will often reveal an excessive amount of work being done in assembling which should have been done in the original machine operations.

"Another reason for high prices may be

high selling cost. A manufacturer making only a limited amount of product cannot, as a rule, afford to introduce the refinements in manufacturing which go with large production and permit a low price to be made on the article. The manufacturer without such refinements must first charge more for his product in order to meet the difference in manufacturing cost, and then in order to effect his sales in competition with the product of the manufacturer who has reduced his costs by quantity production, must expend more in the sales department, thereby adding still further to the final cost of his product. The idea that high price and high quality go hand in hand is an economic fallacy."

HOUSING AND THE UNTAXING OF BUILDINGS

The Single Tax Would Make Some Aspects of the Housing Problem Worse Hopes for Lower Rents

By Prof. E. R. A. SELIGMAN, Professor Political Economy, Columbia University.

[Paper presented at Fourth National Housing Conference, Minneapolis, October 6-8, 1915.]

The fundamental point in the demand for the exemption of buildings from taxation is the contention of the single taxer that private property in land is unjust and that property in everything else is necessarily just.

With this general proposition, I have dealt elsewhere and have attempted to show that both branches of the contention are unsound.

This association, however, is interested in a much more restricted phase of the subject—the contention, namely, that the housing problem can be solved by the exemption of dwellings from taxation, and that as a consequence houses ought to be so exempted.

It is with this far more modest phase of the problem that I shall occupy myself, leaving entirely on one side the question of the truth of the single tax as a general philosophy.

In approaching this more restricted problem, however, it is essential to distinguish between two questions.

The first is, as to whether in truth the housing problem in large cities can be solved by the untaxing of buildings.

The second and more important question is, whether, even if the first be answered in the affirmative, it is for other reasons inadvisable to introduce the alleged reform.

For, after all, we must carefully distinguish between the two aspects of every tax—the fiscal aspect and the social or general economic aspect. In modern times, it has become, and rightly so, the custom to emphasize the social consequences and effects of a tax.

The Primary Function.

But this must not blind us to the fact that the primary function of a tax is to raise money; and that while a tax system ought

indeed to be so contrived as to have the least possible deleterious social results, the primary fiscal rules of every revenue system must always be borne in mind—viz., adequacy and equality. Even a socially desirable change in a revenue system which would result in fiscal embarrassment or gross injustice of burden could not be defended.

Let us take up first, then, the problem as to whether the untaxing of buildings would solve the housing problem in large cities. It may be taken for granted that under ordinary conditions, while a tax on land remains on the land owner, a tax on houses will be shifted to the tenant. Other things being equal, therefore, it would seem that the untaxing of buildings would result in lower rents or in roomier apartments at the same rent. Before, however, it is legitimate to assume this result, it will be necessary to bear three things in mind.

In the first place, it is a notorious fact that since buildings depreciate in the course of time, and since it is not the custom in America to provide a depreciation fund, intending builders and especially intending home owners count upon the expected increase in the value of the land in order to make good the depreciation in the building, or, even apart from that, in order to enable them to pay back the money they have borrowed in financing the property.

An increase in the land taxes would obviously mean a pro-tanto slackening in the increase of land values, or even in a great majority of cases an actual decrease in land values. To this extent the prospective growth in the number of houses would be checked

and the expected result in the way of lower rents retarded.

The Element of Friction.

In the second place, we must count, especially in large cities, with the element of friction. In actual life, all sorts of influence which would take too long to recapitulate here come in to prevent the benefit of lower taxes from being transferred to the tenant. These influences are known to all students under the name of "inelasticity of demand" and would without much doubt frequently to a large extent impede the process. Again, it is by no means sure whether the benefit, if it actually reached the tenant, would take the form of lower rents or of larger rooms. If it took the latter form, it is questionable whether congestion would be appreciably relieved. For, as we all know, the worst congestion in our large cities is due to the filling up of the rooms by boarders. And if the rooms were a little larger, the result would probably be the taking in of more boarders. For where rents are so high, as they are in large cities, and as they would substantially remain, tax or no tax, tenants will try to save as much as possible on their rent in order to have more left for the other expenses.

In the third place, houses in our large cities are almost everywhere built on borrowed money. The margin of security on the loan is not very high. If by the sudden untaxing of buildings there should be a substantial decrease in land values, this margin would be apt to be seriously impaired. Intending builders will, as a consequence, have to pay a higher interest rate on their mortgages, and this would tend, in part at least, to offset the reduced taxes.

As to Lower Rents.

Thus, from many points of view, the enthusiastic hopes for lower rents as a result of untaxing buildings would have to be moderated. There would indeed be a tendency ultimately to have lower rent; but the reduction might be far less than was imagined, might be much slower in coming than was expected.

The housing problem, or congestion problem, depends, however, not alone upon the number of tenants per room, but also upon the number of tenants per acre. In other words, we must not forget the problem of high tenements and of open spaces. It is quite beyond question that the untaxing of buildings will increase the tendency to erect lofty tenement houses in the slums, and will decrease the tendency to have little gardens about the houses in the suburbs.

While, therefore, the untaxing of buildings might have some effect upon reducing the congestion per room, it would, on the other hand, increase the congestion per acre. It could, therefore, not be said to solve the housing problem, for it will make some aspects of the housing problem worse. It is no answer to say that high buildings can be prevented and public parks multiplied by law. It is possible to accomplish these results now and yet they are not accomplished.

Would Make the Problem Worse.

What we are studying is the tendency of the projected measure taken by itself, and not in view of other legislation which may or may not be obtained. The untaxing of buildings by increasing the height of buildings and by diminishing the open spaces about buildings may do at least as much harm as the possible reduction of rents may do good.

We now come to the second and more important part of the problem: What will be the general fiscal and economic effects of the untaxing of buildings?

Here, in the first place, it must be pointed out that as a general fiscal proposition of undoubted validity the narrowing of the base of taxation is always to be regarded with suspicion. The higher taxes on land, which would result from the untaxing of improvements, would have a doubly injurious result.

The assessment of property would be twice reduced, first, by the removal of improvements from the assessment roll, and, secondly, by the decrease in the value of the land itself. In almost all American States there is not only a constitutional limit as to the tax rate on property, but a constitutional limit as to the amount of indebtedness which is restricted to a certain percentage of the real estate. The great narrowing of the base would in many of our large cities render necessary a tax rate which would transcend the constitutional limit and which might therefore seriously interfere with the conduct of the city's affairs. In the same way, the restriction of the debt limit would often be most embarrassing. The fiscal results might therefore most assuredly be injurious.

Violation of Equality.

In the second place, the project would violate some of the most elementary principles of equality. In a careful investigation that has recently been made under the auspices of the New York City Committee on Taxation, it has been shown beyond the peradventure of doubt that results like the following would ensue from the untaxing of buildings.

The skyscrapers would pay less than at present and the wealthy individuals and corporations that own these structures would be relieved from taxation. The great mass of modest single homes in the Borough of Manhattan would pay more than at present, and the tendency would be strongly accentuated to drive such home-owners into the large apartments.

Finally, in almost all the group of apartment and tenement houses in the Borough of Manhattan, the wealthier owners in each class would be relieved of the expense of the more modest owners. In all these ways, we should have a travesty of justice; instead of equality we should have inequality of taxation.

A Warning.

The untaxing of buildings is not only a housing problem, but a more important social problem and a still more important economic

problem. Let us not be carried away by enthusiasm. Remember that taxation is a far more complicated and subtle matter than is imagined by the ordinary tyro. Do not forget that the adjustment of taxation has always tested the energies of our greatest statesmen the world over. Do not make the mistake of thinking it a simple matter and of regarding any particular measure from a narrow or merely social point of view.

Were I to discuss the general policy of levying higher taxes on land, or even of starting out in a small community with a system of land taxes only, to which the economic life might possibly adjust itself, that would be one thing.

But it is quite another thing to take our larger centers of industry, with all their complicated property relations and to demand such a change in tax methods as would amount to a revolution in property relations. Let us not advocate any such change unless we are quite sure, both from general principle and from concrete experience that the benefits expected will actually be secured and that these benefits on the one hand will not be more than outweighed by injuries on the other. It is because of my serious doubts on these points that I am compelled to withhold my support to the untaxing of buildings in large cities. The housing problem can indeed be solved. But this is not the way to solve it.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

BOOKS RECEIVED.

"Productive Advertising," by Herbert W. Hess, published by the J. B. Lippincott Company, a copy of which lies before us as we write, is really a fairly exhaustive and altogether authoritative text-book on the subject of advertising generally rather than the discussion of productive advertising in the limited sense suggested by its title.

Mr. Hess, who is an A. B. and a Ph. D., in addition to being an assistant Professor of Commerce in the Advertising and Salesmanship Department of the Wharton School of the University of Pennsylvania, has written a volume in "Productive Advertising" that will supply a long-felt need not only as a text-book in schools essaying to teach the advertising branch, but among business men who will want to learn something of this new and fascinating subject once they can be assured that the subject is treated concretely and in detail and not as is usual with volumes of the kind academically and from the viewpoint of the theorist.

Mr. Hess opens his volume with a history of advertising that traces the evolution of the gentle art of publicity from a scrap of papyrus in the Egypt of 3,000 years back on down to the crier, the barker, the early hand-bill and finally the quaint newspaper announcement that by easy stages has grown to be the dynamo of modern business, the propelling force of present-day salesmanship, and an art in itself about which, within the past fifty years, has sprung up a great and important industry.

Mr. Hess takes up the psychology of advertising, the value of color, the question of choice of types and illustration, the subject of trade marks, how to plan, lay out and prosecute an advertising campaign, how to analyze advertising media, the attitude of the advertising agency, "vogue" advertising, three color work, photo-engraving and a host of minor subjects, everyone of them of vital and perennial interest to the man who is writing, placing, buying or contemplating advertising.

A feature of Mr. Hess' book that will be appreciated by readers is the bold facing of leads to the various chapters. Another feature that will commend itself is the list of quiz questions following every phase of the subject.

"Productive Advertising" is beautifully printed in good clear, readable type, is judiciously illustrated and most tastefully bound. Not the least admirable of its many excellent features are its illustrations, reproducing effective advertisements, its chapters on the ordering of printing and photo-engraving, its hints on the perplexing point system in types explained and made clear by cuts and reproductions.

"Productive Advertising" is worth while. We shall expect it not only to find an immense sale, but to win a place within easy reach of the swivel chairs of the big men in modern business. It is the most instructive volume dealing with the subject of advertising of

which we have any knowledge. It is certainly the most inclusive—considering as it does every phase of its subject.

THE "INVISIBLE GOVERNMENT."

In addition the proposed State Constitution in New York the forces of organized labor proclaimed that the measure was shaped by the hand of the "invisible government," and was, therefore, unworthy of the support of the citizens of the State. or the benefit of those who are unacquainted with the "invisible government," we would define it as a mysterious power attributed to business, big and little, to control the legislative, judicial and executive functions of State. It is very mysterious, and as the name implies absolutely invisible.

Of its habits and characteristics little is known, except that its name annually appears in headlines about two weeks before election time. When labor measures are pending its activities multiply incredibly, and it is supposed to work in the interest of vested capital and "big business" to the detriment of those who toil, and is largely used to influence the votes of citizens against measures which the "invisible government" is supposed to favor.

We are inclined to believe that there is a good bit of cant about this institution. The powers attributed to it, like those vested in Santa Claus, are too mysterious and too ramified. When the Clayton Bill was pending before Congress almost every large business association in the United States protested against its passage, the "invisible government" was arrayed against it, but the measure went through with a whoop. When the Seamen's Act was pending, the "invisible government" was obviously on a vacation, for despite the protest of business the measure was enacted at the behest of organized labor. Every year there are hundreds of labor laws enacted in the various Legislatures of the United States. Many of these are contrary to business policy, and should be defeated by our "invisible" friend, were its powers those accredited to it.

Laws affecting hours of labor, wages, conditions of labor, sanitation, safety, and industrial welfare are passed in great number. Business interests are said to be opposed to all legislation of this character, why does not the "invisible government" assert its power?

Despite the repeated charges that business interests control the machinery of government, organized labor is annually able to have enacted hundreds of laws which it favors. Business has none. There cannot be named a single measure which has been passed in the National or in State Legislatures which avowedly was for the purpose of helping the business man. There are laws in great number which regulate business activities and define the processes of trade. There are commissions which regulate the railroads, which investigate the methods of business men, which regulate and restrict public service corporations, and in some instances prescribe the amount of return on invested capital, but where is there

a law which helps the business man either to obtain trade or enhance his profits?

The "invisible government" is a myth conjured up to frighten timid voters who have been schooled to believe that trade and commerce cannot be legitimately prosecuted, and that the business man is a political pariah. Under cover of such catch phrases the so-called radical gets in his fine work on the political machinery of the nation.—"American Industries."

TRADE NOTES.

The Oak Floor Manufacturers' Association, formerly at 822 Hammond Building, Detroit, Mich., has removed to 1358 Conway Building, Chicago, Ill.

The last issue of the "Medusa Review," the house organ of the Sandusky Portland Cement Company, Sandusky, Ohio, contains some unusually interesting matter relative to building construction and the part which has been played therein by Medusa water-proofed white Portland cement. The illustrations are half-tone engravings of attractive buildings of various kinds in different parts of the country and in connection with them brief descriptive particulars are given. Reference is also made to the demand for Medusa cement in foreign countries, the statement being made that recent shipments went to Brazil, Java, Uruguay, England, Portugal and Argentine Republic.

Following the resignation of Gail Murphy as advertising manager of the Art Metal Construction Company to join the organization of the Chalmers Motor Company, Detroit, as advertising manager, Mr. Robert E. Ramsay takes the position of advertising manager of the Art Metal Construction Company, manufacturers of steel office furniture, bronze and steel interior equipment, located at James-town, N. Y.

The Eastern Supply Association held its annual meeting in New York October 20, when the following officers were elected: President, L. O. Koven, L. O. Koven & Brother, New York; first vice-president, G. R. Adams, Samuel Sloan & Co., Rochester, N. Y.; second vice-president, Joseph F. Evans, Wyoming Valley Supply Co., Wilkes-Barre, Pa.; treasurer, Martin Behrer, Behrer & Co., New York; secretary, Frank S. Hanley, New York. Board of Directors: Above officers and W. L. Blake, W. L. Blake & Co., Portland, Me.; James F. Conran, Standard Sanitary Manufacturing Co., Pittsburgh, Pa.; J. P. McPhail, James Robertson Manufacturing Co., Baltimore, Md.; John A. Murray, John A. Murray Co., New York; F. T. Stevens, Plimpton & Hills Corporation, Hartford, Conn.; H. W. Thorndike, F. W. Webb Manufacturing Co., Boston; and A. A. Tomlinson, Virginia-Carolina Supply Co., Norfolk, Va. The following were elected members of the national committee: A. M. Maddock, Trenton, N. J.; Philip Speakman, Wilmington, Del.; F. W. Hubbard, Boston, Mass.; S. E. Hunting, Rochester, N. Y., and Walter Walls, Philadelphia. Representative to the National Chamber of Commerce, P. M. Beecher, Syracuse, N. Y.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Asphalt Shingles.**
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Brick (Face, Etc.).**
O. W. Ketcham, Builders' Exchange, Phila.
- Brick Arches and Angles.**
R. B. Wible & Son, 11th and Ontario sts., Phila.
- Brick Renovating.**
Adolph Christensen, 1433 Brown st., Phila.
John Gallatig, 447 W. Dauphin st., Phila.
- Blue Prints.**
Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Blue Print Paper.**
Chas. H. Robbins, 125 S. 11th st., Phila.
- Builders.**
James P. Farrell & Co., 1619 Sansom st., Phila.
Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ransstead st., Phila.
- Builders' Iron Work.**
James G. Madden, Franklin Bank Bldg., Phila.
W. E. Wark Co., 1737 Filbert st., Phila.
- Cement.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg., Phila.
Knickerbocker Lime Co., 266 N. 24th st., Phila.
- Cement Colors.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Concrete Mixers.**
Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Contractors' Equipment.**
Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Dampproofing.**
The Aquabar Co., Real Estate Trust Bldg., Phila.
Barrett Mfg. Co., N. Y. City and Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Door Hangers.**
Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
Richards-Wileox Mfg. Co., 50 N. 6th st., Phila.
- Drawing Materials.**
Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Electrical Specialties.**
Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Electrical Construction.**
Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
Philadelphia Electric Co.,
10th and Chestnut sts., Phila.
- Engineers' Supplies.**
Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Fences.**
Anchor Post Iron Works,
Real Estate Trust Bldg., Phila.
- Fireproofing.**
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Flooring.**
Currie & Campbell Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Floor Renovating.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Finishes.**
R. O. Scheel, 9 S. 18th st., Phila.
- Floor Laying.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Planing.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floors and Floor Finishing.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Furnaces.**
Abram Cox Stove Co.,
American and Dauphin sts., Phila.
- Furnaces and Ranges.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
United Gas Improvement Co.,
Broad and Arch sts., Phila.
- Granite.**
Holmesburg Granite Co., Fidelity Bldg., Phila.
- Hardwood Floors.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Heating Contractors.**
Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
T. S. Johnson Sons Co., 622 Cherry st., Phila.
- Heating (Vapor).**
Vapor Heating Co.,
York, Pa., and North American Bldg., Phila.
- Heating Boilers.**
H. B. Smith, 1225 Arch st., Phila.
- Iron Work (Structural and Ornamental).**
James G. Madden, Franklin Bank Bldg., Phila.
W. E. Wark & Co., 1737 Filbert st., Phila.
- Lumber.**
Currie & Campbell, Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
Howard Ketcham, 3d and Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.
- Metal Lath.**
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- N. J. Wire Cloth Co.,**
Trenton, N. J., and 627 Market st., Phila.
- Marble Mosaic.**
Belfi Bros. & Co., 20-22 S. 19th st., Phila.
- Mill Supplies.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Mill Work.**
O. M. Weber Co., North Wales, Pa.
- Mortar Colors.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Overhead Carrying Systems.**
Richards-Wileox Mfg. Co., 50 N. 6th st., Phila.
- Paints and Varnishes.**
Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Pipe Fittings and Valves.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Plumbing Fixtures.**
Camden Pottery Co., Camden, N. J.
- Preservatives (Wood and Concrete).**
Barrett Mfg. Co., N. Y. City and Phila.
F. E. Sagendorph, 131 S. 24th st., Phila.
- Radiators.**
H. B. Smith Co., 1225 Arch st., Phila.
- Ranges.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
Liberty Stove Co., 114 N. 2d st., Phila.
- Refrigerators.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Roofing.**
Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st., Phila.
- Roofing Slate.**
C. F. Shellenberger, Builders' Exchange, Phila.
- Roofing Tile.**
C. F. Shellenberger, Builders' Exchange, Phila.
O. W. Ketcham, Builders' Exchange, Phila.
- Scales.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Sanitary Flooring.**
Leather Flooring Co.,
Glen Rock, Pa., & Land Title Bldg., Phila.
Philadelphia Mineral Flooring Co.,
5632 Summer st., Phila.
- Sewer Pipe and Flue Linings.**
C. F. Shellenberger, Builders' Exchange, Phila.
- Sash Pulleys.**
Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
- Soundings.**
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila.
- Stair Work.**
O. M. Weber Co., North Wales, Pa.
- Structural Engineer.**
Harry C. Eisenbise Co., Penna. Bldg., Phila.
- Switchboards.**
Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Terra Cotta (Architectural).**
O. W. Ketcham, Builders' Exchange, Phila.
- Test Borings.**
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila.
- Tile and Terrazza Work.**
Belfi Bros. & Co., 20-22 S. 19th st., Phila.
- Wall Board.**
Cell Board.
- The Philip Carey Co.,** 13th & Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.
- "Compo."**
Howard Ketcham, 3d and Girard ave., Phila.
- "Utility."**
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Waterproofing.**
The Aquabar Co., Real Estate Trust Bldg., Phila.
Barrett Mfg. Co., N. Y. City and Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Weather Strip (Metal).**
Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
- Window Screens.**
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
- Wire Work.**
N. J. Wire Cloth Co.,
Trenton, N. J., and 627 Market st., Phila.
Audubon Wire Cloth Co., Inc., Audubon, N. J.



receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.



A $\frac{3}{4}$ " inside facing of Impervite mortar will waterproof any leaky cellar or pit.

Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg.,
Peoples Gas Bldg.,
Beacon Building,

NEW YORK
CHICAGO
BOSTON

Let us estimate on your work
Alterations, New Construction, Repairs

RUSSELL & KEFFER
Carpenters and Builders

Commercial Trust Building, Philadelphia, Pa.

Prompt and Efficient Service. Low Cost

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



KNICKERBOCKER LIME COMPANY?
MANUFACTURERS OF
Wood Burnt LIME

MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS.
CON FINISHES

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities
Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention **THE BUILDERS' GUIDE**.

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 49.

PHILADELPHIA, WEDNESDAY, DECEMBER 8, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

Portland



Cement

HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street

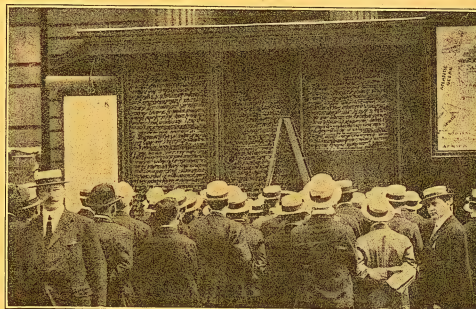
Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

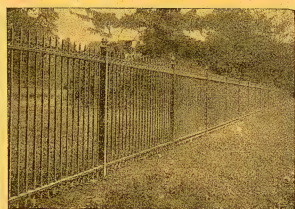
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



RAILINGS AND GATES OF CHARACTER AND BEAUTY

Iron Railings and Entrance Gates of appropriate design and perfect proportion would add much to the dignity and attractiveness of many country places. In other locations, for the protection of lawns and gardens, an

ANCHOR POST FENCE

with galvanized steel posts and woven wire panels, makes an admirable and long lasting enclosure.

We have catalogues illustrating Entrance Gates and Iron Railings, Lawn Fences, Tennis Courts, Poultry and Kennel Yard Enclosures, Aviaries, Arbors, Trellises, etc., and will gladly mail you the one you need.

ANCHOR POST IRON WORKS

W. S. SLACK, Manager

Real Estate Trust Bldg., Philadelphia

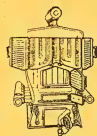
Contractor's Equipment

NEW AND SECOND HAND

Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The **PIERCE-SCHMIDT CO. Inc.**
BULLETIN BUILDING, PHILA. PA.

— MILLS —



"Satisfaction"

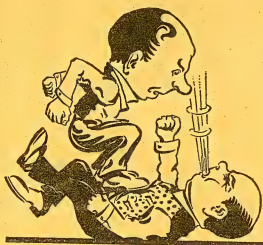
When a type of boiler is made for 40 years, and each year's sales increase over previous ones there is but one conclusion—

They must give satisfaction.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta

Face Brick

Hollow Tile

Paving Brick

Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.

PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN

CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.

Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS

Shops, Rochester, Pa.

District Representative

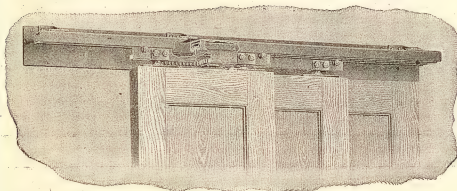
JAMES G. MADDEN

1011 Franklin Bank Building

Bell Phone, Walnut 4341
Keystone Phone, Race 2718

Philadelphia, Pa.

IDEAL Elevator Hanger



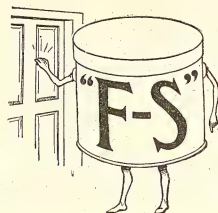
IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



Opportunity knocks at
your door through "F-S"
Products.

They say that Opportunity knocks but once to every man, but you can secure good results every day with our Imperial Spar Varnish. It is light, clear and of medium body; dries without dust in 8 hours; does not turn white; is unaffected by heat and moisture, and is durable indoors and out.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(120)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

Has your work ever been held up on account of slow delivery of BRICKS?

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

Complete line of Clay Products, including Face Bricks, Hard Bricks, Sewer Bricks, Flue Linings, Sewer Pipe, Roofing and Floor Tile.

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

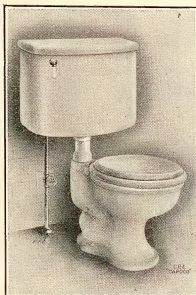
C. F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases. Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.

1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

ALTERATIONS

: JOBBING

Bell, Spruce 4419

Keystone, Race 3210

The Standard Documents of the American Institute of Architects

The New Contract Documents of the American Institute of Architects are now on sale and replace the old Uniform Contract, which is to be discontinued

PRICES FOR SINGLE COPIES

Agreement and General Conditions in cover	\$ 10
Bond of Suretyship	.02
Form of Subcontract	.02
Letter of Acceptance of Subcontractor's Proposal	.01
Complete set in cover	.15

Trial set delivered upon receipt of nine 2-cent stamps.

These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

F. WEBER & CO. Architects, Artists' & Engineers' Supplies 1125 Chestnut St., Phila. Baltimore, Md. St. Louis, Mo.

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON
 WORK
 CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives
 1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 49.

PHILADELPHIA, WEDNESDAY, DECEMBER 8, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (49), Sixty-second, Sixty-third and Larchwood avenue, Philadelphia. Architect, private plans. Owner, Frank Williams, 701 South Fifty-eighth street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hot air heating, combination lighting, hardwood floors. Owner will take sub-bids in one week.

Theatre, southwest corner Fifty-fifth and Woodland avenue, \$100,000. Architect, private plans. Owner, Harry J. Koehler, 1037 Walnut street, Philadelphia. Tapestry brick, limestone, concrete and steel, fireproof, 1 story, 60x140 feet, slag roof, steam heating, electric lighting. Plans in progress. Owner will take bids in about ten days.

Storage Building, 911 North Ninth street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Keystone Supply & Mfg. Co., on premises. Brick, concrete and steel, 1 story, 62x140 feet, slag roof, metal sash, electric lighting. Plans in progress.

Factory (adds.), Tacony street, Philadelphia. Architect, private plans. Owners, Miller Lock Co., 4523 Tacony street, Philadelphia. Consists of machine shop, brick, 1 story, 100x200 feet; warehouse, reinforced concrete, 2½ stories, 75x250 feet; and concrete trestle 250 feet long, slag roofs, metal sash (heating, electric work and elevators reserved). Owners taking bids, due December 11th. The following are figuring: Barclay White & Co., Perry Building; H. E. Baton, Twelfth and Sansom streets; F. A. Havens & Co., 845 North Nineteenth street; Cramp & Co., Denckla Building; H. H. Burrell, 206 South Quince street; H. C. Rea Co., 1027 Wood street.

Factory, 1220 to 1224 Spring Garden street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, B. Eschner, 1220 Race street, Philadelphia. Reinforced concrete and brick, 5 stories, 54x100 feet, slag roof, steam heating, electric lighting, elevator, metal sash. Architects taking bids. The following are figuring: Turner-Concrete Steel Co., 1715 Sansom street; Frank G. Stewart, 1619 Sansom street; Barclay White & Co., Perry Building; H. H. Burrell, 206 South Quince street; Ketcham & Mc-

Quade, 1029 Brown street; Monaghan & Losse, 214 South Twelfth street; Metzger & Elshar, Denckla Building; E. E. Hollenback, Fifteenth and Race streets; McCloskey & Bahls, Hale Building, Philadelphia.

Warehouse and Offices (alts.), 140 and 142 South Front street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Coffin & Gillmore, on premises. Brick, 4 stories, metal lath. Architects taking bids, due December 9th. The following are figuring: Thomas C. Trafford, 1612 Sansom street; H. C. Dahl, 231 South Eighth street; A. MacFavish, 1513 Pine street; P. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Convent and School (alt. and add.), Twenty-eighth and Spring Garden streets. Architects, E. F. Durang & Sons, 1200 Chestnut street, Philadelphia. Owners, St. Agatha's R. C. Church, care Rev. N. J. Donovan, on premises. Consists of addition to school and convent. Too early for details. Plans in progress.

Stores (2) and Residences (6), Howard and Loudon streets, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, name withheld. Brick and stone, 2 stories, 16x51 feet and 14x45 feet, slag roof, hot water heating, tile work, hardwood floors, iron fences. Plans about completed. Architect will be ready for bids in about one week.

Market House (alts.), Second street, Pine to South streets, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall, Philadelphia. Frame and brick, 1 story (plumbing separate bid). Owners taking bids, due December 10th at noon. Plans may be obtained at Room 113, City Hall, Philadelphia.

Feed Warehouse, 1536-38 North American street, Philadelphia. Architect, private plans. Owner, H. B. Cassell, on premises. Brick, 2 stories, 40x150 feet, slag roof, electric lighting. Owner has received bids.

Garage, 1926 East Dauphin street, Philadelphia. Architect, H. B. Weldon, 1606

Cherry street, Philadelphia. Owner, A. A. Frankel, Front and Dauphin streets, Philadelphia. Lessee, A. C. Keeley, 2215 North Front street, Philadelphia. Brick, 1 story, 40x100 feet, slag roof, electric lighting, cement floor (plumbing and heating and gasoline tank and storage system reserved). Architect has received bids.

Residences (50), Fifty-eighth and Cobbs Creek boulevard, Philadelphia. Architect, private plans. Owner, George F. Gibson, Jr., 5807 Pentridge street, Philadelphia. Brick, 2 stories, 16x56 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile baths. Owner is taking sub-bids.

Residence and Garage, St. Martin's Lans, Philadelphia, \$25,000. Architect, Lindley Johnson, Harrison Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 30 x60 feet, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in one week.

Dye House (add.), Melon street, east of Seventeenth street, Philadelphia. Architect, Werner Trumbower, Crozer Building, Philadelphia. Owners, A. F. Bornot Bro. Co., Seventeenth and Fairmount avenue, Philadelphia. Brick and reinforced concrete, 1 story, 50x104 feet, slag roof, metal sash (plumbing, heating and electric work reserved). Architect has received bids.

Club House, Manayunk, Philadelphia. Architect, H. Zimmerman, 4957 Hawthorne street, Philadelphia. Owners, Colonial Club, Cotton street, Manayunk, Philadelphia. Brick, steel, stone and concrete, 2½ stories and basement, 60x100 feet, slag roof, electric lighting, steam heating, maple floors, dumbwaiters, tile work. Plans about completed. Owners will be ready for bids in about one week.

Store and Dwellings (45), Fifth street, between Blavis & Wingohocking streets, Philadelphia. Architect, Harry Zimmerman, 4957 Hawthorne street, Philadelphia. Owner, Joseph Slomkowski, 4400 North Fifth street, Philadelphia. Brick, 2 stories, 15x45 feet, slag roofs, steam heating, electric lighting, parquet floors. Plans about completed. Architect will be ready for bids in a week.

Residence, Limekiln pike, above City Line,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked 13/16" x 2 1/4" and 3 1/4" face. End matched, hollow backed, and bored for secret nailing.

Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

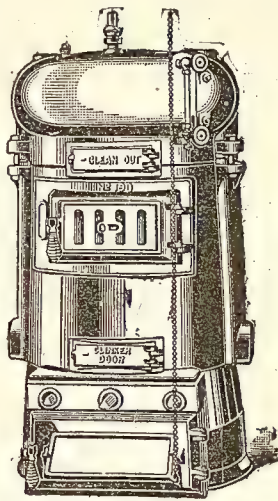
Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL

DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The NEW Round ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Henry E. Baitzell, care architects. Stone, 2 1/2 stories, 40x50 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architects will take bids in one week.

Factory (add.), 1004 Pine street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Brill Bros., 1004 Pine street, Philadelphia. Brick, 3 stories, back addition 20x60 feet, slag roof, hot water heating, electric lighting, fire tower, elevator, metal ceilings. Plans in progress. Owners will be ready for sub-bids in about two weeks.

Store and Hall Building (alt. and add.), Fifty-seventh and Vine streets. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, name withheld. Brick, 1 story additional, 20x30 feet, slag roof, electric lighting. Plans about completed. Architect will sub-let all contracts in a few days.

Residences (56), Fifty-fifth street, Spruce street to Pine street. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Berman Bros., 6019 Market street, Philadelphia. Brick, 2 stories, 16x45 feet and 16x57 feet, slag roofs, tile work, parquetry floors, electric lighting, hot water heating. Plans completed. Owners will be ready for sub-bids in a few days.

Residence, Wynnefield, Pa. Architect, E. D. Salter, 4907 Wynnefield avenue, Philadelphia. Owner, E. F. Kurtz, 43 North Second street, Philadelphia. Stone, 2 1/2 stories, 44x46 feet, shingle roof (heating, plumbing and electric lighting reserved). Architect taking bids. The following are figuring: E. J. Kreitzburg, 1345 Arch street; John E. Kearney, 327 North Sixty-third street; Frank J. Treston, 2343 North Twenty-second street; S. B. MacDouell & Son, 1925 Montgomery avenue; J. Paul Emrey, North Wynnefield, Philadelphia.

Chemical Factory, Thirty-fourth and Tasker streets, Philadelphia. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Nitrogenous Chemical Co., West End Trust Building. Consists of rebuilding of buildings and new buildings, brick and concrete, 1 story, conveying machinery. Plans in progress. Architects will take bids in about two weeks.

Court Building (alts.), Twelfth and Wood streets, Philadelphia, \$60,000. Architect,

Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, care County Commissions, Room 134, City Hall. Consists of remodeling school building for Misdemeanants Court (plumbing, heating and electric work separate bids). Owners taking bids, due December 16th at noon. Plans may be obtained from architect upon a deposit of \$25.00.

School Building, B street and Allegheny avenue, Philadelphia, \$350,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, concrete, terra cotta and steel, fireproof, 3 stories, composition roof, metal lath, reinforcing bars, waterproofing, tile and marble work (heating, plumbing and electric work separate bids). Owners taking bids, due December 10th. In addition to those previously reported, H. E. Baton, Twelfth and Sansom streets; E. F. Fonder, Land Title Building; Geo. A. Fuller Co., Widener Building; H. H. Wehmeyer, 1004 Lehigh avenue; F. W. Van Loon, Denckla Building, and Mitchel Bros., 2125 Race street, are figuring.

School Building (add.), Seventieth and Woodland avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall. Brick and concrete, 3 stories, 53x105 feet, slag and slate roof, metal lath, metal weather strips, reinforced concrete floors, reinforcing bars, glazed bricks, waterproofing (heating, plumbing and electric work separate bids). Owners taking bids, due December 10th. In addition to those previously reported, W. W. Anstine & Co., 1218 Filbert street; McCloskey & Bahls, Hale Building, and Peoples Bros., Twenty-fifth and Callowhill streets, are figuring.

Freight Yard, Erie avenue, Philadelphia. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Consists of concrete retaining walls, grading, drainage and paving. Owners taking bids, due December 15th. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Stable (alts.) and Garage, Frankford avenue and Westmoreland street. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Thomas Wolstenholme Sons & Co., 3300 Frankford avenue. Brick, 2 stories, cement floors. Architect taking bids, due De-

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY

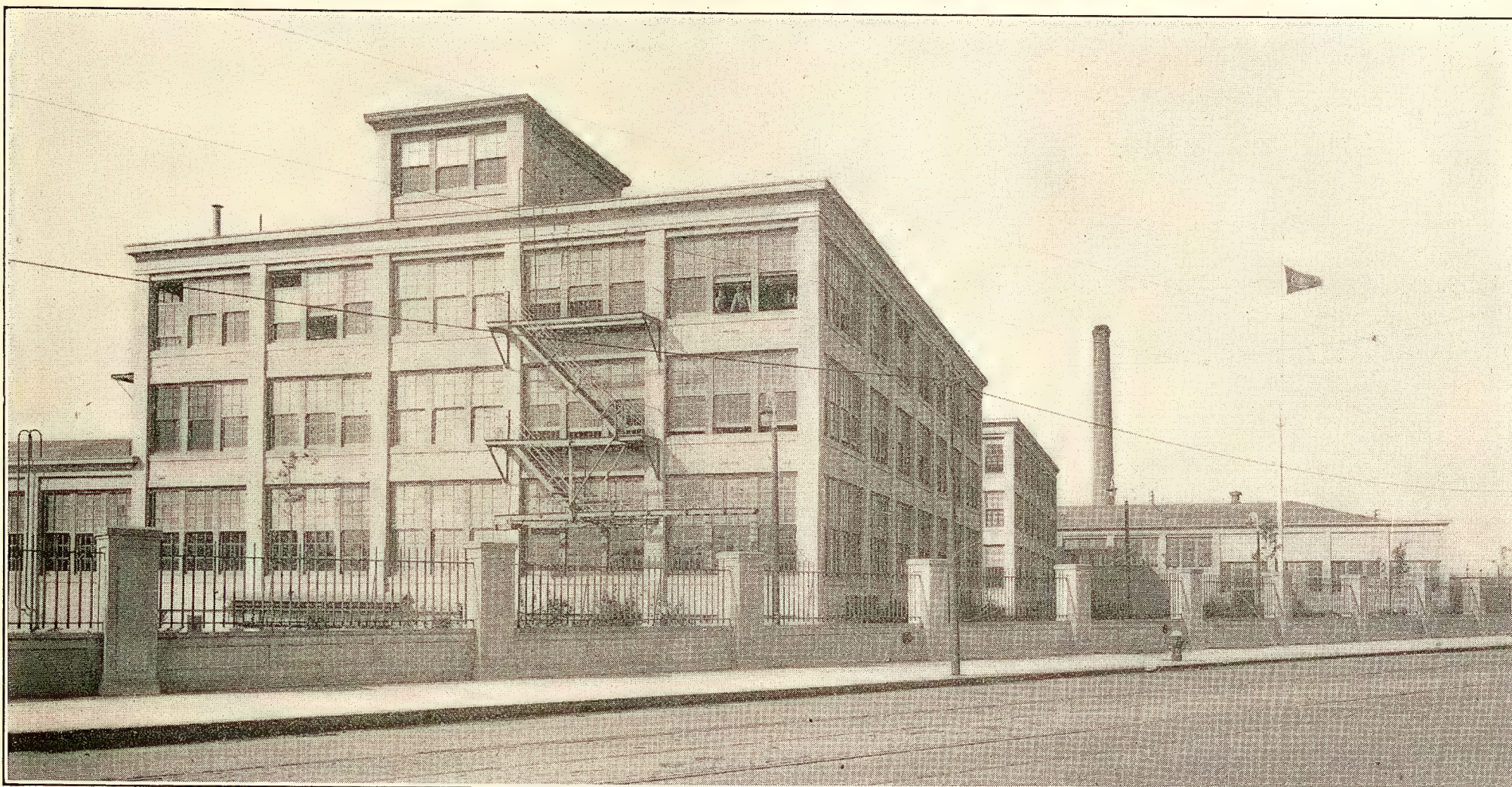
PHILADELPHIA

BUILDING LUMBER

CONCRETE FLOORS MADE
ACID and GREASE PROOF BY

 SAUMS

PRESERVATIVE



*Sloan & Webster, Architects and Engineers
Boston, Mass.*

Edison Electric Service Station, Boston, Mass.

1911—4 years ago all concrete floors in this plant were treated with SAUMS PRESERVATIVE.

In the Garage 10 Ton Trucks have not worn the floor as the oils and grease have not penetrated the top surface. Another proof that "*Saums has stood the Test of Time.*"

FURNISHED, APPLIED AND GUARANTEED BY

THE SAGENDORPH COMPANY, Inc.

N. E. COR. 24th and WALNUT STREETS : PHILADELPHIA, PA.

In Renovating the interior of the CATHEDRAL of SS. PETER and PAUL, Philadelphia Modern Gas Light was Selected

on account of its superior daylight quality, coupled with its economy and artistic appearance.

It will pay you to consider this ideal illuminant whenever you build or renovate churches, assembly halls or houses.

Get in touch with our "Builders and Operators Division."

Telephones:
Bell-Filbert 2191; Keystone-Race 2690

**THE UNITED
GAS IMPROVEMENT
COMPANY**

THE FAIRBANKS CO.
PHILADELPHIA

**VALVES
AND
SCALES**

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

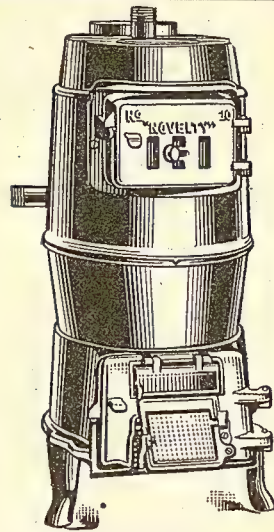
Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"NOVELTY" REMINDERS

The "Novelty" Tank Heater

Has more distinctive features than any similar appliance and will produce maximum results with low fuel consumption

The demand for Tank Heaters is large and one installed in your houses will add to their value.

Why not have the best?—"The Novelty"

Manufactured in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

ember 8th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; J. R. Jackson, Perry Building; H. E. Grau Co., 1707 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; H. E. Baton, Twelfth and Sansom streets; Stacy Reeves & Sons, 2011 Market street; Charles McCaul Co., 1713 Sansom street; John N. Gill & Co., Heed Building.

File Factory Buildings, Tacony, Philadelphia. Architect, private plans. Owners, Henry Disston & Sons, Inc., Tacony, Philadelphia. Consists of three 1 story brick and steel buildings. Annealing and pickling building, 50x366 feet; forge shop, 50x360 feet, and toilet building, 22x13 feet, slag roofs (heating and electric work reserved). Owners taking bids. The following are figuring: F. W. Van Loon, Denckla Building; William Steele & Sons Co., 1600 Arch street, Philadelphia.

Court Building (alts.), Twenty-first and Race streets, Philadelphia, \$50,000. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, City of Philadelphia, care of County Commissioners, Room 134, City Hall, Philadelphia. Consists of remodeling building for Municipal Court (heating, plumbing and electric work separate bids). Owners taking bids, due December 16th at noon. Plans may be obtained from architect upon a deposit of \$25.00.

Picture Theatre, Venango street and Germantown avenue. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, J. Effinger, The Brantwood, 4123 Parkside avenue. Brick, concrete, steel and terra cotta,

fireproof, 1 story, 125x150 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath. Plans about completed. Architects will take bids in about ten days.

Convention Hall (alts.), Broad and Allegheny avenue. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owners, Philadelphia Auto Trade Association, Broad and Callowhill streets, Philadelphia. Consists of fitting up Hall for Automobile Show (electric work and decorating reserved). Architect taking bids, due December 9th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; A. R. Raff, 1635 Thompson street; Mitchell Bros., 2125 Race street; Burd P. Evans & Co., Thirteenth and Wallace streets; E. J. Kreitzburg, 1346 Arch street, all of Philadelphia.

Residence, Allen's lane, Philadelphia. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Robert M. Hogue, 100 Pelham road, Philadelphia. Stone, 2½ stories, 40x90 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Pier Superstructure, McKean street, Philadelphia, \$500,000. Engineers, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Owners, City of Philadelphia, John Meigs, Director, Bourse Building. Brick, steel, terra cotta and concrete, fireproof, double deck, 900x250 feet, slag roof, waterproofing, expanded metal, steel sash, safety treads, proposal bond. Lowest bid submitted by Snare & Triest, 40 South Wharves, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store and Dwelling, 1219-23 North Fifty-second street, Philadelphia, \$9,000. Architect, Private plans. Owner, Stan I. Schwartzmann, 1225 North Fifty-second street, Philadelphia. Consists of general interior alterations. Contract awarded to Standard Const. Co., Drexel Building, Philadelphia.

Dwelling, Camac and Medary avenue, Philadelphia, \$6,500. Architect, private plans. Owner, Wm. F. Wagner, 4532 Carlisle street, Philadelphia. Stone, 3 stories, 26x46 feet, slag

roof, hot water heating. Contract awarded to Samuel H. P. Read, 4705 Old York road.

Factory Building, Main and Carson streets, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, A. T. Baker & Co., on premises. Reinforced concrete and brick, 5 stories, 70x209 feet, slag roof, steel sash (heating and electric work reserved). Contract awarded to Barclay White & Co., Perry Building, Philadelphia, for first section.

Distributed by
The Philip Carey Co.
Roofing and Building Specialties
13th & Hamilton, Streets, Philadelphia

CAREY
Ceil-Board
SUPERSEDES PLASTER
FOR WALLS
AND CEILINGS

Distributed by
James E. Tague & Co.
LUMBER—White Pine a specialty
Yards: | N. E. Cor. 10th & Columbia Ave.
| N. W. Cor. 19th & Cambria Sts.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATH

The Best Plaster Foundation for all classes of Buildings

New Illustrated Catalogue No. 1432 mailed on request.

The New Jersey Wire Cloth Co.

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK**Main Office, Trenton, N. J.**

OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City

93 and 95 Pearl Street, Boston, Mass.
Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

Residence, Upsal street, near Wissahickon avenue, \$12,000. Architect, L. V. Bold, Harrison Building, Philadelphia. Owner, J. Morgan Lister, 5612 Germantown avenue, Philadelphia. Brick and stone, 2½ stories, 30x32 feet, slate or shingle roof, hot water heating, electric lighting, oak floors. Contract awarded to Charles Johnson, 5701 Boyer street, Germantown.

Foundry (add.), Frankford avenue and Vanduyke street, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Schneider Bowman Co., on premises. Brick, 2 stories, 18x7 feet, slag roof, steel sash (plumbing, heating and electric work reserved). Contract awarded to A. Raymond Raff, 135 Thompson street, Philadelphia.

Residence, Lincoln Drive, near Moreland avenue, \$15,000. Architect, Robert Rodas McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 30x60 feet, slate roof, hot air heating, electric lighting, tile work, oak floors. Contract awarded to Wm. J. Gruhler & Co., 219 East High street, Germantown.

Residence, Willow Grove avenue and Lincoln Drive, Philadelphia. Architect, Robert Rodas McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 32x76 feet, shingle roof, hot air heating, electric lighting, tile work, hardwood floors. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

Recreation Buildings, Westmoreland Park, \$23,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Room 587, City Hall, Philadelphia. Consists of recreation building, 1 story; shelters, iron fence, sodding, cement copings and grading, hollow tile and plaster, asbestos shingle and slag roofs, composition waicoting. Proposal bond (plumbing and electric work separate bids). Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

Store Building (alt. and add.), 2648 Kensington avenue, \$3,000. Architect, Chas. M. Wells, Rutledge, Pa. Owners, John and Hannah P. Carr, 2638 Kensington avenue. Brick, 3 stories, slag roof, steam heating, electric lighting. Contract awarded to J. Carberry, 2610 Amber street.

Machine Shop (add.), Nicetown, Philadelphia, \$70,000. Architect, private plans. Owners, Midvale Steel Co., Nicetown, Philadelphia. Brick and steel, 1 story, 54x57 feet, slag roof, metal sash. Contract awarded to Barclay White & Co., Perry Building.

Feed Warehouse, 1536-38 North American

street, Philadelphia. Architect, private plans. Owner, H. B. Cassel, on premises. Brick, 2 stories, 40x150 feet, slag roof, electric lighting. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

School (alts.), School lane, Germantown, Philadelphia. Architects, Hancock & Hokanson, Bailey Building, Philadelphia. Owners, Greene Street Friends' Meeting, on premises. Consists of general interior alterations. Contract awarded to F. Elvidge & Son, 5522 Germantown avenue.

Residence, Quincy and Phil-Ellena streets, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Dr. E. P. Moxey, 34 Carpenter street, Germantown. Brick, 2½ stories, 52x28 feet, slate roof, vapor heating, tile work, hardwood floors, electric lighting. Contract awarded to McClintock & Weaver, 24 Phil-Ellena street.

Nurses' Home (alts.), Eighth and Pine sts., Philadelphia, \$4,900. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, Trustees of the Pennsylvania Hospital, Eighth and Pine streets. Consists of alterations to basement for dining rooms, electric lighting, oak floors, marble and terrazzo work. Contract awarded to R. C. Balinger & Co., 213 North Thirteenth street, Philadelphia.

Bath House, 720 Wood street, Philadelphia, \$17,000. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owners, Public Baths Association of Philadelphia. Brick, stone trimmings, 2 stories, slag roof, oak floors, metal lath, waterproofing, reinforced concrete floors, reinforcing bars (heating reserved). Contract awarded to Frank E. Wallace, 1220 Chancellor street.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.

BUILDING CONSTRUCTION

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



Does Your Roof Leak?

Tin and Slag

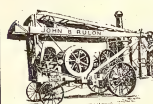
Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1885



WELLS DRILLED

Test Borings

Ask for Prices

JOHN B. RULON

1355 Colwyn Street
Philadelphia, Pa.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

HEATING

BOWERS BROS. & CO.

Real Estate Trust Building
Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

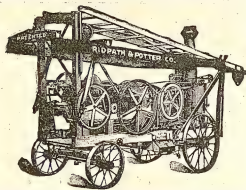
Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
- PHILADELPHIA, PA.



You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA

Construction News

Twin Residence, 1400 Washington avenue, Scranton, Pa., \$5,000. Architect, Frank J. Miller, Peoples Bank Building, Scranton, Pa. Owner, Henry Keholi, 1401 North Washington avenue, Scranton. Frame, 2 stories, 34x42 feet, slate roof, steam heating, combination lighting. Plans in progress.

Residence, Wheeler avenue, Scranton, Pa., \$8,000. Architect, Frank J. Miller, Peoples Bank Building, Scranton, Pa. Owner, J. C. Fritz, 234 Sheeler avenue, Scranton, Pa. Frame, 2½ stories, 30x38 feet, asbestos roof, steam heating, combination lighting, tile and hardwood and tile floors. Plans in progress.

Garage, Wyoming and Olive avenues, Scranton, Pa. Architect, Albert Hartman, Peoples Bank Building, Scranton, Pa. Owner, H. A. Kaufhold, Prescott and Ridge Row, Scranton, Pa. Brick, steel and stucco, 3 stories, 90x105 feet, tile roof, steam heating, electric lighting, concrete floors, metal lath, waterproofing and dampproofing, concrete hardener. Plans in progress.

Apartment, 1400 Washington avenue, Scranton, Pa., \$18,000. Architect, Frank J. Miller, Peoples Bank Building, Scranton, Pa. Owner, Frank J. Miller, Peoples Bank Building, Scranton, Pa. Frame and stucco, 4 stories, 34 x 70 feet, Carey roof, vapor heating, combination lighting composition, tile and hardwood floors, metal lath. Owner will sub-let all contracts.

Store (alt. and add.), Wyoming avenue, Scranton, Pa., \$15,000. Architect, J. S. Duckworth, Coal Exchange Building, Scranton, Pa. Owners, Jermyn Estate, 119 Wyoming avenue, Scranton, Pa. Stone and brick (3 additional stories), 25x90 feet, steam heating. Plans in progress.

Apartment House, 800 Wheeler avenue, Scranton, Pa. Architect, Albert Hartman, Peoples Bank Building, Scranton, Pa. Owner, C. E. Lee, 825 Wheeler avenue, Scranton, Pa. Frame, 2 stories, 28x54 feet, shingle roof, steam heating, combination lighting. Plans in progress.

Bakery, Pittston, Pa., \$5,000. Architects, Davey & Crowthers, Coal Exchange Building, Scranton, Pa. Owner, M. Levy, Pittston, Pa. Brick and steel, 1 story, 29x39 feet, slag roof, steam heating, electric lighting, concrete floors, waterproofing, dampproofing. Plans in progress.

Stable and Garage (alt. and add.), Devon,

Pa. Architects, Wilson Eyr & McIlvain, 1003 Spruce street, Philadelphia. Owner, Frank Graham Thomson, Merion, Pa. Stone, hollow tile and timber, 2 stories, shingle roof, electric lighting. Architects have received bids.

Garage, Rutledge, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Paul Hertel, Rutledge, Pa. Stone, 1 story, 26x18 feet, slate roof, electric lighting, cement floors. Architect taking bids.

Garage, Edystone, Pa. Architect, Natross & Son, Twelfth and Walnut streets, Philadelphia. Owners, St. Luke's P. E. Church, Edystone, Pa. Stone, 2½ stories, 25x4 feet, slate roof, hot water heating, electric lighting. Plans about completed. Architects will take bids in about one week.

Apartment House, Washington street, Wilkes-Barre, Pa., \$110,000. Architect, Henry A. Maier, 701 Coal Exchange Building, Wilkes-Barre. Owners, H. A. and F. Maier, 701 Coal Exchange Building, Wilkes-Barre. Brick and terra cotta, 6 stories, 100x100 feet, slag roof, steam heating, electric lighting, wood and con concrete floors, hollow tile fireproofing, marble, granite and limestone, hollow tile fireproofing, steel doors, metal windows, iron stairs, elevators, dumb waiters and ventilators. Architect is sub-letting all contracts.

Boiler House, Coatesville, Pa. Architect, private plans. Owners, Worth Bros. Co., care Mr. Carter, Midvale Steel Co., Nicetown, Philadelphia. Brick, reinforced concrete and steel, 1 story, 170x43 feet, coal bunker 112 feet long, slag roof, iron stairs, metal sash. Owners have received bids.

Residences (2), Springfield, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, W. Harry Roberts, Ardmore, Pa. Stone and frame, 2½ stories, shingle roofs, hot water heating, electric lighting, oak floors, tile work. Owner is taking sub-bids.

High School, Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Courts streets, Reading, Pa. Owners, Board of Education, care John Selzer, chairman building committee, Lebanon, Pa. Brick, 2½ stories, 180x180 feet, tile roof, dampproofing, slate blackboards, tile and marble work, concrete floors (heating, plumbing and electric work separate bids). Lowest bid submitted by Beard Const.

R. O. SCHEEL, PRESIDENT

FLOORS

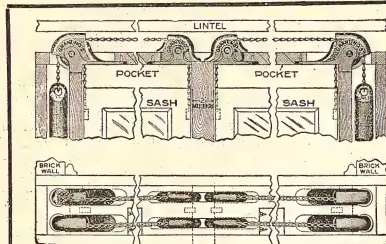
PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

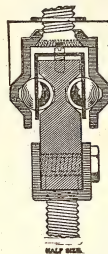
H. H. S. OGDEN, SECRETARY



Grant Pulleys for Twin Windows.

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

Co., Colonial Trust Building, Reading Pa., \$151,000.

Residence, Mt. Pocono, Pa., \$3,500. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, The Misses Van Horn, Wilkes-Barre, Pa. Stone and frame, 2 stories, 28x45 feet, shingle roof, hot air heating, electric lighting. Plans completed. Architects ready for bids.

Residence, Hazleton, Pa., \$20,000. Architect, Geo. F. Schroeder, Weitzenhohn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, terra cotta, marble and stucco, 2½ stories, 32x4 feet, tile roof, steam heating, combination lighting, tile and hardwood floors, metal lath. Architects ready for bids January 1st.

Apartment, Hancock and Market streets, Wilkes-Barre, Pa. Architect, Geo. F. Schroeder, Weitzenhohn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, stone, terra cotta and steel, 3 stories, 36x40 feet, slag roof, steam heating, combination lighting, tile and hardwood floors, dampproofing, ornamental iron. Architect will be ready for bids in ten days.

High School, Shenandoah, Pa., \$100,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Board of Education, John Cuff, Esq., Secretary. Brick, stone and steel, 2 stories, 96x150 feet, slag roof, blower system heating, electric lighting, tile and hardwood floors, metal lath, large skylight ventilators. Plans in progress.

Double Residence, 4 Luzerne street, Wilkes-Barre, \$6,000. Architect, private plans. Owner, Alfred Evans, Wilkes-Barre, Pa. Frame, 3 stories, 23x40 feet, shingle roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Apartment, Hazle street, Wilkes-Barre, Pa., \$28,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Felix Constine, Coal Exchange Building, Wilkes-Barre. Brick, stone, terra cotta and steel, 4 stories, 45x98 feet, slag roof, steam heating, electric lighting, composition and hardwood floors, metal lath, slate treads, ornamental iron. Plans in progress.

Residence, Hazleton, Pa., \$40,000. Architect, T. H. Atherton, Coal Exchange Building, Wilkes-Barre, Pa. Owner, David Benjamin, Hazleton, Pa. Brick and stone, 3 stories,

steam heating, electric lighting, tile and hardwood floors. Owners are taking sub-bids.

Private School, Ogontz, Pa., \$100,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ogontz School for Young Ladies, care of Miss A. A. Sutherland, Ogontz, Pa. Stone, fireproof, 2½ stories, 42x250 feet, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids about January 15th.

Residence, Oak Lane Park, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 40x27 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Plans in progress. Architects will take bids in about two weeks.

Rectory, Eddystone, Pa. Architects, George Mattress & Son, Twelfth and Walnut streets, Philadelphia. Owners, St. Luke's P. E. Church, Eddystone, Pa. Stone, 2½ stories, 26x46 feet, slate roof, electric lighting, tile work (heating reserved). Architects taking bids, due December 9th. The following are figuring: Specht & Sperry, Heed Building; George Hogg, 1634 Sansom street, Philadelphia; John T. Worrell, Rosemont, Pa.

Residence and Garage, Oak Lane Park, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Thomas D. Querns, 3201 Turner street, Philadelphia. Stone, 2½ stories, 27x46 feet; wing, 20x25 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architects taking bids, due December 11th. The following are figuring: Specht & Sperry, Heed Building; John Davies, Heed Building; Frank G. Stewart, 1619 Sansom street; F. B. Davis, 240 North Sixteenth street; Thomas C. Trafford, 1613 Sansom street, Philadelphia; Joseph Champion, Ocean City, N. J.

School Building, Marcus Hook, Pa., \$35,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slag roof, slate blackboards, metal lath (heating, plumbing and electric work separate bids). Owners taking revised bids, due January 5th. Plans may be obtained from architect upon deposit of \$25.

Residence, St. Davids, Pa., \$10,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, W. L. Moorhouse, Ambler, Pa. Stone, 2½ stories, slate roof, hot

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street

PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., YORK: PA.

HARTMAN BLDG.

water heating, hardwood floors, tile work, electric lighting. Plans about completed. Architect will take bids in a few days.

Farm Barn (alt. and add.), Newtown Square, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Mrs. Mark Hopkins Jr., Newtown Square, Pa. Stone, 2 stories, shingle roof (plumbing, heating and electric work reserved). Architects taking bids, due December 10th. The following are figuring: James B. Flounders, 1329 Arch street, Philadelphia; William H. Parلمان, Devon, Pa.; William T. Bishop, Newtown Square, Pa.; J. W. Worriow, Media, Pa.; W. J. McCone, Devon, Pa.

Residence and Garage, Merion, Pa., \$30,000. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 23x75 feet, slate or tile roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will soon take bids.

PENNSYLVANIA Contracts Awarded

School, Dickson City, Pa., \$25,000. Architect, Lewis Hancock, Jr., Coal Exchange Building, Scranton, Pa. Owners, Dickson City School District, Dickson City, Pa. Frame and stucco, 2 stories, 36x104 feet, slate roof, steam heating, electric lighting. Contract awarded to Dickson Lumber Co., Olyphant, Pa.

Twin Residence, Olyphant, Pa., \$4,500. Architects, Davey & Crowthers, Coal Exchange Building, Scranton, Pa. Owner, W. N. Matthews, Olyphant, Pa. Frame, 2 stories, 36x40 feet, slate roof, steam heating, electric lighting, wing 12x17 feet. Contract awarded to Bert Morgan, Olyphant, Pa.

Cold Storage Warehouse (add.), Scranton, Pa., \$40,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owner, H. S. Kemmerer, 755 Park avenue, New York City. Reinforced concrete, 3½ stories, 80x100 feet, Carey roof, electric lighting, concrete floors, metal lath. Contract awarded to Williams & Richardson, Connell Building, Scranton, Pa. **Stores and Office Building,** Olyphant, Pa. Architect, Lewis Hancock, Jr., Coal Exchange Building, Scranton, Pa. Owner, John Williamson, Olyphant, Pa. Stone, brick and steel, 3 stories, 130x50 feet, slag roof, steam heating, cement floors, concrete hardener. Contract awarded to Dickson Lumber Co., Olyphant, Pa.

Drug Store, E. Market street and Sanderson avenue, Scranton, Pa. Architect, Lewis Hancock, Jr., Coal Exchange Building, Scranton, Pa. Owner, Dr. Charles Thompson, 643 E. Market street, Scranton, Pa. Brick, 1 story, 30x40 feet, slag roof, steam heating, electric lighting. Contract awarded to S. Sykes Sons, 1295 Penn avenue, Scranton, Pa.

Garage, Haverford, Pa. Architects, Milligan & Pierson, 530 Walnut street, Philadelphia. Owner, Mrs. E. Elliott Thayer, Merion, Pa. Hollow tile, plaster, 2 stories, 42x23 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Bridges (2), Reading, Pa. Engineer, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Concrete and steel, waterproofing. Contract awarded to John Donahoe, Mahanoy City, Pa. Waterproofing to Barber Asphalt Paving Co., Land Title Building.

Residence and Garage, Norristown, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Birnie Pearson,

Residence and Garage, Wallingford, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, H. E. Marlor, Norwood, Pa. Stone, 2½ stories, 26x65 feet; garage, 1 story, 22x30 feet; tile roof, electric lighting, oak floors, tile work, metal weather strips, gasoline tank and storage system (heating reserved). Architects taking bids, due December 14th. The following are figuring: George N. Sipps, 907 Locust street; James B. Flounders, 1329 Arch street; Smith-Hardican Co., 1606 Cherry street; H. G. Carson, 205 South Forty-second street; J. J. Murphy & Co., 1139 South Wilton street; J. Howard Roberts, Lansdowne, Pa.

Residence, Moylan, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, William S. Ellis, 1628 Chestnut street, Philadelphia. Brick and plaster, 2½ stories, 54x29 feet, slate roof, hardwood floors, tile work (heating, plumbing and electric work reserved). Revised plans in progress.

Norristown, Pa. Brick and rough cast, 2½ stories, 40x44 feet, slate roof, hot water heating, electric lighting, artesian well, tile work, oak floors. Contract awarded to Boyer & Curran, Norristown, Pa.

Store and Loft Building, 57 South Penn avenue, Wilkes-Barre. Architects, Knapp & Bosworth, 15 South Franklin street, Wilkes-Barre. Owner, Max J. Lewis, Wilkes-Barre, Pa. Brick, concrete and steel, 3 stories, slag roof, steam heating, electric lighting. Contract awarded to Wm. B. Richards, Wilkes-Barre, Pa.

Residence, 27 Charles street, Wilkes-Barre, Pa., \$4,900. Architect, private plans. Owner, I. V. Robbins, Wilkes-Barre, Pa. Frame, 2 stories, 34x40 feet, shingle roof, hot air heating, gas lighting. Contract awarded to F. W. Eddy, Wilkes-Barre, Pa.

Store (alts.), 18 South Main street, Wilkes-Barre, Pa., \$3,300. Architect, Geo. F. Schroeder, Wietzenkorn Building, Wilkes-Barre. Owner, J. Elian, Wilkes-Barre, Pa. Consists of interior alterations, plate glass, marble work, store fixtures, electric lighting, tile floors. Contract awarded to C. L. Shaw, Wilkes-Barre, Pa.

Ice Storage Building, Retreat, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, Luzerne County Poor District, Wilkes-Barre, Pa. Brick, 1 story. Contract awarded to Shepherd Const. Co., Wilkes-Barre, Pa.

Boiler House, Wilkes-Barre, Pa., \$25,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Wilkes-Barre City Hospital, Wilkes-Barre, Pa. Brick, stone and steel, 1 story. Contract awarded to John Curtis & Co., 1 Hickory st., Wilkes-Barre, Pa.

Stable (alt. and add.), Haverford, Pa. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Stone and frame, 2 stories, slate roof, electric lighting, composition floors. Contract awarded to George L. Croll, Rosemont, Pa.

Farm House (alt. and add.), Doylestown, Pa., \$5,000. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, H. A. De La R. Wiegand, Essex Apartments, Philadelphia. Stone, 2 stories, 28x20 feet; wing, 14x32 feet, tin roof, hot water heating. Contract awarded to W. John Stevens, Wyncote, Pa.

New Jersey Construction News

Residence, Ocean City, N. J., \$3,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, E. B. Bacon, Jersey City, N. J. Brick, 2 stories, 35x40 feet, slag roof, hot air heating, combination lighting, tile floors. Plans in progress.

Bungalow, Sea View, N. J., \$5,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Wm. Reutcher, Reutcher Hotel, Atlantic City, N. J. Hollow tile and stucco, 1½ stories, 32x40 feet, tile roof, hot water heating, combination lighting, tile and hardwood floors, metal lath, water proofing and dampproofing. Owner is taking bids.

Residence, Douglass City, N. J., \$7,000. Architect, Gertram Ireland, Guarantee Trust Building, Atlantic City. Owner, H. P. Anderson, 101 N. New York avenue, Atlantic City. Brick, hollow tile and stucco, 2½ stories, 27x53 feet, shingle roof, hot water heating, combination lighting, tile and hardwood floors, waterproofing and dampproofing. Architect taking bids, due December 8th.

Club House, Douglass City, N. J., \$40,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, Douglass Park Land Co., care J. H. Nutter, 1801 Arctic avenue, Atlantic City, N. J. Hollow tile and stucco, 3 stories, 42x100 feet and 25x40 feet, German shingle roof, hot water heating, combination lighting, tile and hardwood floors, metal lath, waterproofing and dampproofing. Plans in progress.

Residence, Ventnor, N. J., \$5,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, W. Lear, Atlantic City, N. J. Frame, 3 stories, 20x42 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors. Plans in progress.

Residence, Atlantic City, N. J., \$5,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick and stone, 2½ stories, 18x40 feet, slag roof, hot water heating, combination lighting. Plans in progress.

Residence, Haddonfield, N. J. Architects, Durham Bros., Heed Building, Philadelphia. Owner, name withheld. Brick and stucco, 2½ stories, 40x70 feet, slate roof, electric lighting, hot water heating, oak floors, tile work. Plans in progress.

Residence, Merchantville, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Charles Floyd Dickinson, 313 North Third street, Camden, N. J. Stone, 2½ stories, shingle roof, hot water heating, hardwood floors, electric lighting. Architect has received bids.

Bungalow, Douglass Park, N. J., \$5,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick and frame, 1½ stories, 32x50 feet, German shingle roof, hot water heating, combination lighting, tile and hardwood floors, waterproofing and dampproofing. Plans in progress.

Residence (alt. and add.), Ventnor, N. J. 17 S. Surrey avenue), \$3,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, name withheld. Brick and frame, 2½ stories, 26x38 feet, slate roof, hot water heating, combination lighting, tile work, sun parlor. Plans in progress.

Garage and Storehouse, Connecticut avenue, Atlantic City, \$8,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, Louis Potter, 2227 Atlantic avenue, Atlantic City. Brick, 2 stories, 45x100 feet, slag roof, hot water heating, combination lighting, concrete floors. Architects have received bids.

Residences (3), Newport avenue, Ventnor,

N. J., \$9,000. Architect, J. Vaughn Mathis, Guarantee Trust Building, Atlantic City. Owner, Gen. Lewis T. Bryant, Atlantic City, N. J. Hollow tile, frame and stucco, 2 stories, 24x22 feet, asphalt shingle roof, hot water heating, combination lighting, tile work. Builders J. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J., are taking sub-bids.

Residences (6), Annapolis avenue, Atlantic City, N. J., \$18,000. Architect, J. Vaughn Mathis, Guarantee Trust Building, Atlantic City. Owner, Gen. Lewis T. Bryant, Atlantic City, N. J. Frame, hollow tile and stucco, 2 stories, 24x22 feet, asphalt shingle roof, hot water heating, combination lighting, tile work. Builders J. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J., are taking sub-bids.

Residences (3), Bryant avenue, Atlantic City, N. J., \$9,000. Architect, J. Vaughn Mathis, Guarantee Trust Building, Atlantic City. Owner, H. R. Cloud, 6 S. Montpelier avenue, Atlantic City. Hollow tile, frame and stucco, 2 stories, 24x22 feet, asphalt shingle roof, hot water heating, combination lighting, tile work. Builders J. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J., are taking sub-bids.

Hotel (alt. and add.), Arkansas and Pacific avenue, Atlantic City, \$10,000. Architects, Smith & Henderer, Sheen Building, Atlantic City. Owner, R. B. Leidy, Hotel Elberon, Atlantic City, N. J. Brick, 6 stories, 45x130 feet, slag and slate roof, tile floors, metal lath, waterproofing and dampproofing (heating and lighting reserved). Plans in progress.

Varnish Factory, State and High streets, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Eugene E. Nice, 268 South Second street, Philadelphia. Brick, steel and concrete, 1 story, 35x30 feet and 55x29 feet, Toncean metal roof, cement floors. Architects taking bids, due December 10th. The following are figuring: Philip Haibach Contracting Co., Twenty-sixth and Thompson streets; H. E. Grau Co., 1707 Sansom street; H. C. Dahl, 231 South Eighth street, Philadelphia, and Frank Turner, 828 Broadway, Camden, N. J.

Acid Manufacturing Plant, Paulsboro, N. J. Architect, private plans. Owners, Harrison Bros. & Co., Thirty-fifth and Gray's Ferry road, Philadelphia. Consists of group of four buildings, including power house. Concrete, brick, 1 and 2 stories. Plans about completed. Owners will soon take sub-bids.

Church, Roosevelt, N. J., \$7,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton. Owners, Church of St. Elizabeth of Hungary, Rev. Father Sabo, Roosevelt, N. J. Frame, 1½ stories, 36x76 feet, slate roof. Owners taking bids, due December 13th.

Residences (10), West End avenue, Trenton, N. J., \$18,000. Architect, private plans. Owners, Smith & Cook, Trenton, N. J. Brick, 2½ stories, 15x32 feet, slate and tin roof, hot air heating, gas lighting. Owners will sub-let all contracts.

Stone and Residence, South Broad street, Trenton, N. J., 6,500. Architect, private plans. Owner, Andrew Geiger, 153 Liberty street, Trenton, N. J. Brick, 2½ stories, 20x32 feet and 20x28 feet, slate and slag roof, steam heating, electric lighting. Owner is sub-letting all contracts.

Residences (2), Ellsworth avenue, Trenton, N. J., \$5,000. Architect, private plans. Owner, Samuel Tilton, Trenton, N. J. Brick, 2½ stories, 14x28 feet, slate and tin roof, hot water heating, electric lighting. Owner is sub-letting all contracts.

Residences (4), 1426 Bellview avenue, Camden, N. J. Architect, private plans. Owner, Thomas G. Coulter, 522 Penn street, Camden, N. J. Brick, 2 stories, 21x32 feet, slag roof, hot air heating, gas lighting. Owner is sub-letting all contracts.



The progressive, successful man who is satisfied with nothing short of the very best—the most efficient—equipment, recognizes the exclusive advantages of

"Sterling" Transits and Levels

It will pay you to investigate—to find out why they are invariably selected. Write, phone or call for free copy of "Facts" (just issued), illustrating our latest models.

We repair
Transits
Levels
Tapes

Designed and Made by
WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

Rebuilds
Instruments
For Sale
or Rent
PHILADELPHIA

Residences (8), 1276 Jackson street, Camden, N. J. Architect, private plans. Owner, Thomas Sparks, 1150 Whitman avenue, Camden, N. J. Brick, 2 stories, 14x45 feet, slag roof, hot air heating, gas lighting. Owner is taking sub-bids on all lines.

Residence, 1165 Atlantic avenue, Camden, N. J. Architects, private plans. Owners, Guarantee Realty Co., 1204 Broadway, Camden, N. J. Brick, 2 stories, 16x42 feet, slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

New Jersey

Contracts Awarded

Residence (remodeling), Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Edward S. Woodward, Moorestown, N. J. Frame, 2½ stories, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Stewart L. Maines, Moorestown, N. J.

Residence, Ventnor, N. J., \$8,000. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City, N. J. Owner, Charles Desinger, Atlantic City, N. J. Brick and stucco, 2½ stories, 32x38 feet, slate roof, vapor heating, electric lighting, tile work. Contract awarded to Edwin S. Collins, Atlantic City, N. J.

Factory, Boiler House and Garage, Elizabeth, N. J., \$40,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, American Gas Accumulator Co., Perry Building, Philadelphia. Reinforced concrete and brick, 2 stories, 60x250 feet, slag roof, steam heating, electric lighting. Contract awarded to United Fireproofing Co., 8 West Fortieth street, New York City.

Garage, 412 Larch street, Camden, N. J. Architect, private plans. Owner, James W. Young, 433 Pearl street, Camden, N. J. Brick, 1 story, 35x40 feet, slag roof, steam heating, electric lighting, concrete floors. Contract awarded to Harry Sharp, 410 Main street, Camden, N. J.

Warehouse, Trenton, N. J. Engineers, Samuel E. Greene Co., Springfield, Mass. Owners, Ajax-Grieb Rubber Co., Trenton, N. J. Brick, 2 stories, 90x60x37 feet, slag roof, steam heating, electric lighting. Contract awarded to S. W. Mather & Sons, Trenton, N. J.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

Miscellaneous

Construction News

Hospital (add.), Farnhurst, Del., \$60,000. Architect, L. W. Crawford, Odd Fellows' Temple, Wilmington, Del. Owners, State of Delaware (City Hospital), Dover, Del. Brick and cut stone, 3 stories, 98x153 feet, slate roof, steam heating, electric lighting, tile floors, metal lath, waterproofing and damp-proofing. Owners will take bids in a few days.

Factory (add.), Wilmington, Del., \$3,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Second and Greenhill avenue, Wilmington. Brick, 2 stories, 18x63 feet, slag roof, steam heating, electric lighting, concrete floors, steel sash. Plans in progress.

Office Building, Tenth and Market streets, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick, granite, terra cotta and steel, 3 stories, 30x70 feet, tin and copper roof, steam heating, electric lighting, composition floors, metal lath, waterproofing. Plans about completed. Architect will take bids in a few days.

Bank Building, Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, People's National Bank, E. E. Wooten, cashier, Laurel, Del. Brick, granite, terra cotta and steel, 2 stories, 60x33 feet, tin and copper roof, steam heating, electric lighting, marble work, composition floors, metal lath, waterproofing. Plans about completed. Architect will take bids in a few days.

Apartment House, Wilmington, Del. Architects, E. L. Rice, Jr., Co., 815 Market street, Wilmington, Del. Owner's name withheld. Brick, stone and steel, 5 stories, 93x63 feet, slag and tile roof, vapor or hot water heating, electric lighting, tile, cork and oak floors, metal lath, electric elevator, four dumb waiters, laundry machinery, refrigerating plant, waterproofing. Plans in progress.

If you've got a specialty that will commend itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pipkin that there is either something better on the market or your specialty isn't worth a kopeck noway.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES
To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd President
Joseph M. DeLone Vice-President
Louis S. DeLone Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon Editor

PHILADELPHIA, PA., DECEMBER 8, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President *R. Clifton Sturgis, Boston
First Vice-President *Thomas R. Kimball, Omaha, Neb.
Second Vice-President D. Knickerbacker Boyd, Phila.
Secretary *Burt L. Fenner, New York
Treasurer *J. L. Mauran, St. Louis
Auditors { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. OF A.

President Horace Wells Sellers
First Vice-President J. P. B. Sinkler
Second Vice-President Milton B. Medary, Jr.
Secretary Edward A. Crane
Recorder Arthur I. Meigs
Treasurer Edmund C. Evans
Executive Committee—Elliston P. Bissell,
Charles Z. Klauder, Walter H. Thomas.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellow
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

New York City is to have an exhibition of some seventy-nine lithographs, etchings and drawings by Joseph Pennell, concerning whom "The Sun" found quite a number of interesting things to say in a recent issue.

"Mr. Pennell," says "The Sun," "is one of the foremost American etchers, and his international standing and reputation are quite equal to that which he enjoys in this country. It is safe to say that no important international exhibition of black and white has been held in Europe in recent years in which he has not figured in the list of jurors. He was, for instance, a member of the superior jury at the International Exhibition of 1911 in Rome, and a member of the jury at the very important Leipzig Exhibition of Graphic Arts in the early part of 1914, where his own works were also well shown. Many similar appointments in this country might be mentioned, among others that of chairman of the jury on black and white at the expositions of St. Louis and San Francisco.

* * *

Among many other official tributes to his own work as an artist may be mentioned a purchase made by the Italian Government in 1911 of his complete list of works; a similar purchase of a complete series was made by the City of Venice for its Municipal Gallery; a similar purchase was made by the City of Barcelona; the National Gallery at Buenos Ayres has a collection of his works, and among the many collections in the museums of the United States may be mentioned the entire set of his Panama lithographs, which has been owned by the Brooklyn Museum for several years.

* * *

"As an author Mr. Pennell's name is distinguished for his splendid biography of Whistler, which was written in collaboration with his wife, Elizabeth Robbins Pennell, whose fame as an authoress and art critic rivals his own. Aside from the Whistler biography he has written many books, including a number in which Mrs. Pennell has collaborated, the latter being generally works of travel, illustrated by himself. Other works from his own independent pen have been devoted to the graphic arts. One of his latest books, "Picturesque Philadelphia," was published about a year ago by Lippincott. Not the least of his distinctions is that he was the discoverer of the genius of Aubrey Beardsley.

* * *

In spite of his long residence in London and in foreign countries this artist is a genuine American, of Quaker parentage. The following is a brief skeleton biography of his art career, including a list of some of his distinctions, aside from those already mentioned: Born in Philadelphia, Pa., July 4, 1860. Pupil of the Pennsylvania School of the Fine Arts and Pennsylvania School of

Industrial Art. Member of the National Academy of Design, New York; National Institute of Arts and Letters; Art Club of Philadelphia; International Society of Painters, Sculptors and Gravers, London; the Royal Belgian Academy; the Royal Society of Painter-Etchers, London; Societe des Peintres-Graveurs, Paris; president of the Seneffeler Club, London, etc.

"Among the almost innumerable contributions of Mr. Pennell to magazine literature his latest may be mentioned as being in 'Scribner's Magazine' for December, 1915. It is entitled the 'Wonder of Work.' The general scope and purpose of the Brooklyn exhibition is to illustrate the controlling idea of this article, and this controlling idea is suggested by its title."

* * *

The following circular announcing the annual spring exhibition of Philadelphia Chapter of the American Institute of Architects and the T-Square Club has been sent out to members of the profession:

"The Exhibition Board of the Philadelphia Chapter of the American Institute of Architects and the T-Square Club begs to announce its twenty-second annual exhibition, to be held at the Art Club, Broad and Chancellor streets, from April 29 to May 21, 1916. Renderings in color or monotone, working drawings of subjective importance and carefully presented, enlarged photographs framed singly or with plans, architectural models, sketches and paintings of decorative and architectural importance, sculpture and executed work in the applied arts are particularly requested. Small photographs, mounted collectively or singly, will not be hung.

"It is with the intention of bringing together the best work of the year, and carefully utilizing to that end the restricted space at its disposal, that the board solicits the co-operation of all exhibitors."

* * *

Arnold W. Brunner, past president of the Architectural League and New York Chapter, A. I. of A., a member of the Art Commission of the City of New York and one of the leading architects of the United States, is the author of a paper that created something of a ripple at the recent meeting of the National Institute of Arts and Letters at Boston.

* * *

"Architects are the scene painters of the world," said Mr. Brunner. "Much of the scenery, the backgrounds of great events, remain to-day as records and are, perhaps, more convincing than written history. Constructed of enduring materials, these scenes of marble, granite, and bronze bring to our senses a vivid realization of stirring actions and heroic deeds of actors long since gone.

"To regard architecture as a background may seem to relegate it to a secondary place

and to indicate a lack of appreciation of its importance. And by architecture I mean all that the word implies—that art so often called the noblest of the arts because it embraces the others, sculpture, painting, the treatment of the landscape, and to-day the newer architecture of cities. It is a mixed art largely diluted, or strengthened, if you please, by science. Its aim is to produce a combination of the useful and the beautiful.

"I have heard it charged that our training and practice have a tendency to make us grow more interested in things than in people, and we architects have often been reminded that humanity is of more importance than inanimate objects. Such criticism is fair enough, and we may well remember that the value of our designs and creations depends on their effect upon those who use them and who are inspired by them. Architecture, unlike other arts, cannot depend on beauty alone. To serve its mission fully it must provide a fitting background for human activities.

"In the theatre the painted scene and artificial accessories which simulate the real thing as closely as possible have been considered by actors to be important factors in their success.

"Even the advocates of the new school who favor stern simplicity and extreme breadth of treatment believe that the actor needs the assistance of stage decorations to illuminate the intention of the author and bring out fully the purpose of the drama.

"It seems to me that in our daily lives we have underestimated the influence that our backgrounds, our scenery, exert on us. I know a church that suggests a music hall. I know a theatre so sombre and gloomy that our spirits are depressed when we enter it. I know a museum of fine arts where it is almost impossible to concentrate one's attention on the paintings and sculpture. These buildings, pretty enough to look at, violate the very first rule of the game. They do not express their purpose, but, on the contrary, nullify and contradict it.

"We have heard a great deal during the past few years about the power of suggestion over our subjective mind. A glance, a touch, a gesture or a word and we are told, our subconscious self responds instantly. Probably this is all true, but who will deny that our objective or everyday mind acting through the five senses is swayed by suggestion and strongly affected by its environment? Beauty makes a powerful appeal to us, and we are sensitive to the influence of ugliness. There are degrees of disorder, hideousness, and gloom against which no gayety of temperament can prevail.

"George B. McClellan, when he was Mayor of New York, once said that if a man arose from a bench in City Hall Park and happened to look to the north he would be made happier and better by the sight of the City Hall, but if he chanced to look the other way and his vision were greeted by the Post Office

it would be natural for dismal and even homicidal thoughts to arise in his mind. Try it. Stand at the side of the foolish fountain in the middle of the park and glance through the trees at the lovely little City Hall and see if its cheering proportions and simple beauty do not induce a different frame of mind to that which comes from an inspection of the hideous Post Office with its bulbous and useless mansard roof, easily the worst of the late Mr. Mullett's creations.

"Then try if you can to preserve a happy and contented disposition when you walk through some of the neighboring noisy streets where ugliness and shabbiness vie with vulgarity. Let us take Broadway, or a part of it, as an example. Artists have sketched it over and over again and charmed us with pictures which showed exactly how it would look if it looked that way.

"If we begin at Fifty-ninth street we find Columbus Circle a grievous disappointment. Here is an intersection of very important streets with a monumental entrance to Central Park in the picture, but the serio-comic shaft in the centre and the unfortunate buildings that surround it are most distressing. There is no composition, no harmony. It goes all to pieces.

"Proceeding down town we find irregularity and disorder, the big and the little, the expensive and the shabby, mixed on all sides. The intensity of the struggle and the competition of commercial life are everywhere painfully apparent, and the result is a confused mass of incongruities.

"The Metropolitan Opera House, where the best operatic performances in the world are presented, has no setting at all and is squeezed in between a bank and a shop. Opposite and up and down for many blocks are hideous cheap structures, built largely of galvanized iron, and billboards. The larger and more pretentious buildings have facades with some attempt at design, but their too conspicuous backs and sides go bare.

"I dwell on these wretched facts because every favorable chance for design has been thrown away—Times Square, Madison Square, and Union Square are three conspicuous instances of neglected opportunities. Each one is capable of treatment that might make it a beauty spot in our crowded city, but no attempt has been made to properly design these little parks. As the encircling buildings tower upward, these squares are apparently shrinking in size and certainly in importance and dignity, so they now appear to be disregarded and almost forgotten. Broadway is now in the mob state.

"Some twenty-five years ago one of our few architectural critics, the late Montgomery Schuyler, said that American architecture was apparently 'the art of covering one thing with another thing to imitate a third thing, which, if genuine, would be highly undesirable.'

"Not only are materials woefully misap-

plied and combined, but the first principles of design are commonly ignored, and the result is that atrocious buildings abound. Looking further, we find skyscrapers in positions where extreme height is a crime, buildings that swear at their neighbors and have no relation to the streets on which they are built. Villainous 'improvements,' as the real estate fraternity call them, that are the acme of ugliness. It would be interesting, incidentally, to determine how many 'improvements' are required to ruin a neighborhood.

"It has been said that American humor has found its fullest expression in architecture, but as humor is merely one of our by-products and not our acknowledged purpose, we may wonder what is the matter and how it happens. It may be that if it were the custom for the architect to sign his building he would be more alive to his responsibilities and at least strive to do his best. At present architects are generally anonymous, and a building is popularly supposed to be the result of some process of nature and not the product of human thought and endeavor.

"Perhaps the trouble is the lack of a discerning public, and perhaps the press on which the public relies is to blame. Like new books and new plays, new buildings are overadvertised and overpraised without discrimination. We are always assured that the last hotel, department store, theatre, or what not, is a marvel of beauty and an ornament to the city.

"I have read columns of praise of a building with a plan so complicated that it was difficult to find the stairs and elevators without a guide. The impossible facade, whose composition was apparently suggested by the kaleidoscope, was so overloaded with bad ornament (spinach, we call it) that it looked like a petrified growth of fungus, but the printed description contained a glowing testimonial to its exquisite charm.

"Surprising combinations of gigantic columns and arches resting lightly on a solid base of plate glass and playfully interspersed with balconies, electric signs, bay windows, and balustrades, surmounted by a collection of undisguised water tanks on stilts, are advertised as superlatively beautiful. The public is told this repeatedly and continuously and apparently believes it.

"American cities are now undergoing vital transformations. As most of them have been planned on the 'rush-hour' principle their growing pains have been unnecessarily severe. Accordingly the architecture of cities, or city planning, as it has been called, has been forced on the attention of the public.

"The problems arising from an ever-increasing population—new traffic conditions, congestion of people in buildings, and of buildings on ground, unexpected changes of all kinds—are complicated and extremely difficult. This is not work for the amateur. Experience, patient study, and a constructive

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



imagination are needed to increase the efficiency of a city as a working machine and at the same time to secure the beauty that comes from order and fitness of purpose. All this, however, is entirely ignored by our so-called critics.

* * *

"Cactus-like growth of towns, aimless streets, absurd extensions of the city map, miscalled civic centres, often not more than irregular open spaces in front of the leading hotel—all are proclaimed in the public prints as brilliant examples of city planning. This is the stuff that forms the public taste. Of real criticism by real critics we have, unfortunately, very little.

"Accordingly, we need not be surprised to find that what we may call our 'best sellers' types that are repeated with unimportant variations all over the country, are unquestionably the worst examples. They are not architecture at all, even if they look like it and masquerade under its honored name; and for the most part they are not designed by trained architects, but by impostors with no qualifications for their work.

* * *

"The work of the architect, however, is more nearly paralleled by that of the dramatist. Plays are built apparently on much the same principle as buildings. The main motifs in both arts must be clear, simple, and convincing. The incidentals, the details, explain and assist, but cannot save a defective or weak backbone.

"We are told on excellent authority that a written play is not the play at all, it is only a book of directions for bringing one into existence. Similarly a set of plans does not constitute an architect's output any more than a copy of his specifications constitute the finished building."

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Wendell & Smith (O), Overbrook, Philadelphia. M. W. oung (C), Overbrook. Cost, \$10,000. Dwelling, stone, 3 stories, 39x47 feet, 6451 Sherwood road.

Wm. F. Wagner (O), 4532 Carlisle street. Samuel H. P. Read (C), 4705 Old York road. Cost, \$6,500. Dwelling, stone, 3 stories, 26x46 feet, Camac and Medary streets.

John H. McClatchey (O), Land Title Building. Cost, \$18,500. Three dwellings, stone, 3 stories, 37x26 feet, Fifty-third and Overbrook avenue.

Frank D. Williams (O), 1838 West Venango street. Cost, \$13,000. Five dwellings, brick and stone, 2 stories, 15x42 feet, Bouvier and Pike streets.

City Club (O), Real Estate Trust Building. Cost, \$66,000. Club house, stone and brick, 5 stories, 60x134 feet, 813-17 South Broad street.

J. H. & C. M. Horrocks (O), 1200 Arrott street. Bush Bros. (C), 1100 Fillmore avenue. Cost, \$10,000. Two dwellings, brick, 3 stories, 16x48 feet, 1139-41 Arrott street.

Burton C. Simon (O), 2200 South Nineteenth street. Harry V. Williams (C), 2334 South Twentieth street. Cost, \$19,200. Twelve dwellings, brick, 2 stories, 16x40 feet, Wolf street, between Twenty-third and Twenty-fourth streets.

M. Griez (O), 2100 South Fifty-seventh street. M. J. Welsh (C), 7200 Woodland avenue. Cost, \$725. Dwelling, 2100 South Fifty-seventh street.

H. B. Shoemaker (O), 1308 Walnut street. Cost, \$13,000. Three dwellings, stone, 3 stories, 25x40 feet, Wayne and Carpenter avenues.

F. & M. Feldman (O), 410 McKean street. Cost, \$37,000. Twenty-five stories and dwell-

ings, brick, 2 stories, 16x34 feet, Darien and Shunk streets.

A. T. Baker Co. (O), Manayunk. Barclay White Co. (C), Perry Building. Cost, \$10,000. Factory, brick, 1 story, 83x42 feet, Fountain and Manayunk Canal.

Edward Rusk (O), 5216 Spruce street. Cost, \$92,200. Fifty dwellings, brick and stone, 2 stories, 15x39 feet, Fifty-seventh and Malcolm streets.

James M. Mitchell (O), Forty-sixth and Market streets. Cost, \$12,000. Dwelling, stone, 3 stories, 40x33 feet, Lincoln Drive and Springer street.

Edw. Hunter (O), Limekiln pike. Wm. Kreswon (C), Forrest avenue and Johnson street, Germantown. Cost, \$1,400. Dwelling, brick and stone, 2 stories, 14x26 feet, Forrest and Upsal streets.

H. C. Dahl (O), 231 South Eighth street. Cost, \$5,000. Store house, brick, 3 stories, 28x60 feet, 257-59 South Second street.

Walter T. Slifer (O), 724 West Venango street. Cost, \$1,800. Store, brick and iron, 2 stories, 20x65 feet, Broad and Bellefield avenue.

Mrs. Mary Finn (O), 130 North Third st. F. W. Burkholder (C), 5918 North Ninth street. Cost, \$3,500. Two dwellings, frame, 2 stories, 24x32 feet, Thirteenth and Medary avenue.

Jas. Gallagher (O), 17 South Third street. Franklin Const. Co. (C), 1425 Ritner street. Cost, \$5,000. Warehouse, brick, 2 stories, 57x42 feet, 742-46 South Water street.

Atlantic Refining Co. (O), 3144 Passayunk avenue. Cost, \$40,000. Factory, brick and reinforced concrete, 3 stories, 147x145 feet, Twenty-eighth and Passayunk avenue.

Alterations and Additions

Thos. Wolstenholme (O), Frankford avenue and East Westmoreland street. W. E. S. Dyer (C), Land Title Building. Cost, \$500. Garage, Frankford avenue and East Westmoreland street.

Tabor Mfg. Co. (O), Eighteenth and Hamilton streets. John N. Gill Co. (C), Heed Building. Cost, \$500. Machine shop, Eighteenth and Hamilton streets.

C. Marks (O), 6801 North Twelfth street. F. L. Davies (C), Thirteenth and Nedro sts. Cost, \$700. Dwelling, 6801 North Twelfth street.

Baxter Kelly & Faust (O), Tioga and C streets. W. E. S. Dyer (C), Land Title Building. Cost, \$400. Boiler house, C and Tioga streets.

Bell Co. (O), 953 North Hancock street. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$350. Store, Front and Cambria streets. Cost, \$400. Store, Fifth and Cambria streets.

Krowitz (O), 3040 Kensington avenue. Cost, \$500. Garage, E and Cambria streets.

City of Philadelphia (O), City Hall. Fred A. Havens Co. (C), 845 North Nineteenth streets. Cost, \$1,600. Fire house, Fourth and Girard avenue.

H. Magill (O), 2102 South Sixty-sixth st. Jos. P. Stackhouse & Co. (C), 2139 South Sixty-fourth street. Cost, \$350. Dwelling, 2102 South Sixty-sixth street.

Girard Fire Ins. Co. (O), 631 Chestnut st. F. L. Hoover & Sons (C), 1233 Cherry street. Cost, \$1,500. Offices, 627-29 Chestnut street.

Baldwin Locomotive Works (O), 500 North Broad street. Cost, \$3,000. Machine shop, Twenty-sixth and Pennsylvania avenue.

Mrs. B. L. James (O), 929 Clinton street. A. MacTavish (C), 1513 Pine street. Cost, \$350. Dwelling, 929 Clinton street.

Davis Bros. (O), Twenty-ninth and Bristol streets. Robt. B. Lederle (C), Witherspoon Building. Cost, \$3,000. Storage, Roberts and Wissahickon avenues.

Brownlie & Kramer (O), 406 Memphis st. Willard Myers (C), 2000 East Cambria st. Cost, \$1,200. Store, Earl and Memphis streets.

Salter Estate (O), 1420 Chestnut street. H. Reusswick (C), 137 North Tenth street. Cost, \$500. Auto showrooms, 3437 North Broad street.

Kadleigh & Co. (O), American and Somerset streets. Barry Brocklehurst (C), 512 West Norris street. Cost, \$500. Garage, American and Cambria streets.

Bell Co. (O), 953 North Hancock street. Harry Gill, Jr. (O), 2515 Germantown avenue. Cost, \$8000. Warehouse, 953 North Hancock street.

Jos. Kennedy (O), 1523 North Sixtieth st. Wm. J. Reiner (O), 1551 North Sixtieth st. Cost, \$700. Store, 151 North Sixtieth street.

John Wolten (O), Orthodox street, Frankford. John F. Davies (O), Heed Building. Cost, \$450. Dwelling, 1142 Frankford avenue. U. G. I. Co. (O), Broad and Arch streets. Cost, \$500. Shed and offices, Passyunk and Schuylkill avenues.

Gomery-Schwartz (O), 253 North Broad st. J. F. Johnson & Son (C), 331 North Fourth street. Cost, \$500. Sidewalk, 253 North Broad street.

Penna. Forge Co. (O), Wakeling and Ber- Twenty-second and Washington avenue. Cost, \$7,400. Wakeling and Bermuda streets. J. & J. Dobson, Inc. (O), Ridge avenue and Crawford street. S. G. Matthews & Co. (C), 916 North Ninth street. Cost, \$2,000. Engine room, Ridge avenue and Crawford street.

Wm. Reiner (O), Twenty-fifth and Aspen streets. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$1,400. Store and dwelling, Twenty-fifth and Aspen streets.

John H. McClatchey (O), Land Title Building. Cost, \$600. Garage, Fifty-first and Overbrook avenue. Cost, \$800. Garage, 430 Carpenter street, Germantown. Cost, \$600. Garage, Fifty-fourth and Overbrook avenue.

I. Schwartzmann (O), 1225 North Fifty-second street. Standard Const. Co. (C), 820 Drexel Building. Cost, \$9000. Store and dwelling, 1219-23 North Fifty-second street.

Barrett Mfg. Co. (O), Frankford, Philadelphia. A. L. Carhart (C), Hale Building. Cost, \$16,000. Three-one-story building, Margaret and Bermuda streets.

F. Ferrarolo (O), 936 Tacker street. A. Codano (C), 1737 South Hicks streets. Cost, \$350. Dwelling, 936 Tacker street.

Emil Selig (O), Thirteenth and Filbert streets. Kriebel & Co. (O), 826 Spring Gar-

den street. Cost, \$500. Store, 243 Market street.

Alex. Allen (O), Chestnut Hill. Kreiber & Co. (C), 826 Spring Garden street. Cost, \$800. Garage, West Highland avenue.

Spwak & Kean (O), 128 South Fifty-second street. J. E. Feldstein (C), 211 Hale Building. Cost, \$7,500. Store and dwelling, 130-32 South Fifty-second street.

H. H. Sheip Mfg. Co. (O), Sixth and Columbia avenue. Barclay White Co. (C), Perry Building. Cost, \$4,000. Storage, Fifth and Columbia avenue.

Harvey Fibre Co. (O), Janney and Allegheny avenue. Cost, \$3,100. Storage shed, Janney and Allegheny avenue.

Union Fertilizer Co. (O), 897 Drexel Building. Cost, \$9,800. Acid tank building, Delaware avenue and Bigler street.

W. Chase (O), 147 Oxford street. A. Bottoms & Sons Co. (C), 41 South Fifteenth st. Cost, \$500. Garage, 6147 Oxford street.

Adolph Bannum (O), 4925 North Broad street. M. ellin (O), 712 North Franklin street. Cost, \$1,400. Dwelling, twenty-sixth and Indiana avenue.

Geo. Kelley (O), 2330 North Front street. Brilliant Mfg. Co. (C), 1035 Ridge avenue. Cost, \$400. Sign, 2330 North Front street.

E. L. Cuthbertson (O), 334 Roxborough avenue. Cost, \$4,200. Two dwellings, stone, 2 stories. 16x44 feet, Silverwood and Leverington avenues.

Wendell & Smith (O), Overbrook, Philadelphia. M. W. oung (O), Overbrook, Pa. Cost, \$1,000. Garage, 6337 Woodbine avenue.

Wm. Gregory (O), 416 North Wyota street. Cost, \$500. Garage, 416-18 North Wyota street.

Christ M. E. Church (O), Philadelphia. M. D. Gould (C), Moore, Pa. Cost, \$700. Church, Twenty-eighth and Hamilton streets.

P. R. R. Co. (O), Broad Street Station. Mitchell Brs. (C), 2125 Race street. Cost, \$15,690. Office building, Delaware and Washington avenues. Cost, \$3,490. Shed, Delaware avenue and Federal street.

wond'rously echoing by the angels. Love dwells within my walls—God, Himself, smiles in at the sunny casement, and mixed Hopes and Ambitions and spiritual dreams is the laughter of little children. I am incomplete without CHILDHOOD. The rooms seem lonely indeed, for all their life if babies be not there, to coo and to cry and to crawl joyously along the golden path of the sun as it shines there on the sitting room floor. A chalice 'O Maternal Affection am I, smothered in jasmine and tea roses.

During those solicitous days when hammers pounded upon me, and the scent of white pine and paint and tar and lime were in the air, you came to the top of the hill, arm in arm, you two, and stood at quite a distance, looking at me, in silence, as if a word might dispel me into nothingness again. It was difficult to believe that I was being created—that, from the toil and the waiting, material reward had sprung and was taking pretty shape. And the days passed—the grass flung its green fabric over the scarred earth, the clambering vines grew strong and luxuriant—the roses SHE had planted took firm root and buds came with spring-tide—a magic mosaic of Beauty welded together by June.

Come, hide with me. As birds build nests in high trees and raise their young, you two, Man and Wife, are to climb the long hill and plan for a new sort of future—a future in which little hands and little lips and little voices are destined to play wise part. I'm waiting for you. As sweet and as clean as the very flowers at my door. No unkind word has been said within my portals—no sufferings have been known—not so much as a tear has fallen on my sparkling threshold. Take me and see well to it that I be kept still sacred. Sweethearts must lodge here—sweethearts until the twilight of your companionship—my rooms long for those honied, inconsequential, bird-like things men say to women and women say to men, when their love is as holy as the bond which made it possible.

There is a porch, up whose white columns the honeysuckle clammers,—there is an attic, where cob-webs will be spun from dark rafters and where old love letters will some day rest in a horse-hair trunk—there are closets, just right for toys—there is a cool, long hall and a pretty little dining room, at whose windows dainty white curtains will ripple in the wind and geraniums burn orange and red, as if painted—there is a pink and white bed room, overlooking meadows and hills and dream-things, lying far below in the afternoon sun—there is a room set apart for books and leather covers and magazines and consecrated, we confess, to the mystic, oriental fumes of tobacco smoke—there is a certain corner—yes, a certain quiet, sunlit corner where a crib should stand, with room beside it for a rocking chair and one of those tall, sedate sewing baskets of cream willow. There is a cellarway, rife with poetic mystery and shelved for those delicious jams and pel-lies Mylady will make—there is—

But no, I will say no more. Come. I am waiting impatiently for you both, MY Children, my Lodgers of the Long Sacrifice.

THE SOLILOQUY OF HOME

The last nail has been driven.

The last brush-mark is dry, and the last remnant of the restless artisan has been cleared away. I stand, complete, ready for your occupancy. I am no longer mere wood and plaster and brick and metal and craftsmanship. I am HOME, in the sweet fullness of the wonderful word.

It has taken self-sacrifice to build me. Years have passed, monotonously, perhaps, and the heart has hungered for my peace and quiet, but now—now—Man and Woman, your Nest is complete. The blue sky smiles gently above it and here, in all the broad reaches of God's wonderland, is one tiny patch you may call YOUR OWN. It was YOUTH the waiting and the heartaches and the delay. Man—light your pipe and don your smoking jacket—there is your table and your evening lamp and your dreams. And you, Woman, we would have you sing in your tidy kitchen and plan such magic ideals as never were born short of Paradise.

My snug ramparts will do much to ward off the unhappiness of the big, outer World. Indeed, if you but know it, Man and Woman,

I am a WORLD UNTO MYSELF, complete, beautiful, soul-satisfying. And when you, Man, are wearied of the office and the bustling town, and when business shall have buffeted you beyon endurance, you may turn your eyes MY way, sure of rest and release. Yest, I am the antidote for the hurts of the commercial highway. I open my doors to you, who have been rebuffed and beaten and cowed and hammered down to the dust by Life's long struggle for existence. An unassuming little Convent amidst roses and green lawns, for Woman, sick of battle with stern reality. Here, sure of herself, mistress of all she surveys, she is privileged to draw the blinds, and close the portals, bolting herself in from that which humiliated. A Princess, mayhap, in a Castle of Content. From the battlements, she shall peer outward, upon the panorama of the nervous day, and see it pass, touching her not—leaving her happily wedded to her lullabies.

Yes, I represent one of the purest and most holy ideals Man or Woman may hide in their heart of hearts. "HOME"—the word itself was first whispered in heaven, and then sent

When the last stroke of hammer and brush had been given there remained but ONE more thing to make me truly habitable—God's Benediction—and last night, as the world slept, the dews and the summer rains fell, singing their way along the roof, and Dawn gave golden assurance that He had given it.—W. Livingston Larned, in "Keith's Magazine."

RANDOM TRADE NOTES.

**Official announcement has been made that the annual convention of the National Association of Builders' Exchanges of the United States of America will be held in Baltimore, Md., February 22, 23 and 24, 1916. The headquarters will be at the Hotel Emerson and the business sessions will also be held at the same place. The announcement is signed by President H. L. Lewman and Secretary J. M. Vollmer, who extend a cordial invitation to all interested in building construction to attend the sessions of the convention. The National Association has been presented with a medal by the president of the Panama-Pacific International Exposition—an honor which is said never before to have been conferred upon a builders' organization. The presentation was made to H. L. Lewman, president of the National Association of Builders' Exchanges, who attended the recent Builders' Congress in San Francisco, and made a most interesting address.

*The latest issue of "Graphite," published regularly by the Joseph Dixon Crucible Company, Jersey City, N. J., contains the usual amount of interesting information regarding the products of this concern. Among other things the reader may learn that 88 years ago Joseph Dixon founded the business now known as the Joseph Dixon Crucible Company, and the statement is made that "there is not a civilized point in the entire world that does not make use of a plumbago crucible which was one of the inventions of Joseph Dixon."

**The seventeenth annual convention of the National Builders' Supply Association will be held at the Hotel Statler, Cleveland, Ohio, on February 17, 18 and 19, 1916. The meeting will occur at a time when the first Complete Building Show ever held in America will be in progress from February 16 to February 26.

*The October issue of the "Disston Crucible," a magazine for the millman, and the house organ of the Henry Disston & Sons, Philadelphia, Pa., is more than usually attractive in its illustrations and technical information. Among the early pages is a list of the prizes awarded the company by the Panama-Pacific International Exposition, there being twelve in all; another feature is an article dealing with the sanitary arrangements in logging camps by Dr. Austin, camp physician for the Fernwood Lumber Company.

**The Gum Lumber Manufacturers' Association, 1339 Bank of Commerce and Trust Building, Memphis, Tenn., has just issued an attractive pamphlet giving interesting techni-

cal information about red gum. The illustrations show the effect produced by different methods of manufacturing this material and terms are given which when used in specifying individual requirements, should avoid misunderstanding and confusion. Special emphasis is laid upon red gum as a cabinet wood, than which there is said to be none more attractive.

**The Lehigh Portland Cement Company announces under date of Chicago, November 15, that Harold M. Scott has been made assistant secretary of the company and B. H. Rader has been appointed as Western sales manager.

Learn to advertise. If you feel unequal to the task of preparing the kind of copy you ought to have, let us prepare it for you. Advertising is our business. We are always glad to help men who are honest enough to concede that they do not know it all. And the service won't cost you a penny if you contemplate joining the army of "Guide" advertisers.

One way to escape the income tax is to quit advertising and do less business.

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.

"I like 'The Guide,'" writes an old subscriber, "because it devotes space to the builder and the material man as well as the architect. Most of the so-called architectural journals are made up of fine writing and pretty pictures, with more pictures than anything else." Yes, and after the pictures have been culled out, the little that remains finds its way into the scrap basket unread. Don't take our word for this, Mr. Advertiser, just investigate.

Some big guns are smooth bores.—Ex.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

WHY WE DO IT.

Advertise and the world buys of you; Renig, and you need a loan.

If you never tell what you have to sell, You'll have troubles all your own.

—Los Angeles Evening Herald.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.

Without energetic effort a man must remain in a rut and can never expect to share with his hustling, up-to-date competitor. Quoting the words of a gifted scribe: "Health attends the man who acts. Wisdom guides him. Hope frees him. Joy helps him. Power moves him. Progress marks him. Fame follows him. Wealth rewards him. Love chooses him. Fate obeys him. God blesses him. Immortality crowns him."

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 29, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 10, 1916, for the construction of a two-story and basement stone and brick faced building of 5,400 square feet ground area, fireproof construction throughout, composition roof, for the United States post office at Titusville, Pa. Drawings and specifications may be obtained from the custodian of the site at Titusville, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Asphalt Shingles.**
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Brick (Face, Etc.).**
O. W. Ketcham, Builders' Exchange, Phila.
- Brick Arches and Angles.**
R. B. Wible & Son, 11th and Ontario sts., Phila.
- Brick Renovating.**
Adolph Christensen, 1433 Brown st., Phila.
John Gallatig, 447 W. Dauphin st., Phila.
- Blue Prints.**
Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Blue Print Paper.**
Chas. H. Robbins, 125 S. 11th st., Phila.
- Builders.**
James P. Farrell & Co., 1619 Sansom st., Phila.
Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Ranstead st., Phila.
Russell and Keffner,
Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
James G. Madden, Franklin Bank Bldg., Phila.
W. E. Wark Co., 1737 Filbert st., Phila.
- Cement.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co., Penna. Bldg., Phila.
Knickerbocker Lime Co., 266 N. 24th st., Phila.
- Cement Colors.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Concrete Mixers.**
Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Contractors' Equipment.**
Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Dampproofing.**
The Aquabar Co., Real Estate Trust Bldg., Phila.
Barrett Mfg. Co., N. Y. City and Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Door Hangers.**
Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st., Phila.
- Drawing Materials.**
Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Electrical Specialties.**
Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Electrical Construction.**
Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
Philadelphia Electric Co.,
10th and Chestnut sts., Phila.
- Engineers' Supplies.**
Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Fences.**
Anchor Post Iron Works,
Real Estate Trust Bldg., Phila.
- Fireproofing.**
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Flooring.**
Currie & Campbell, Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Floor Renovating.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Finishes.**
R. O. Scheel, 9 S. 18th st., Phila.
- Floor Lining.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Planing.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floors and Floor Finishing.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Furnaces.**
Abram Cox Stove Co.,
American and Dauphin sts., Phila.
- Furnaces and Ranges.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
United Gas Improvement Co.,
Broad and Arch sts., Phila.
- Granite.**
Holmesburg Granite Co., Fidelity Bldg., Phila.
- Hardwood Floors.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Heating Contractors.**
Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
- Heating (Vapor).**
Vapor Heating Co.,
York, Pa., and North American Bldg., Phila.
- Heating Boilers.**
H. B. Smith, 1225 Arch st., Phila.
- Iron Work (Structural and Ornamental).**
James G. Madden, Franklin Bank Bldg., Phila.
W. E. Wark & Co., 1737 Filbert st., Phila.
- Lumber.**
Currie & Campbell, Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Metal Lath.**
Howard Ketcham, 3d and Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.
- Builders' Steel Products Co.,**
131-133 S. 24th st., Phila.
- N. J. Wire Cloth Co.,**
Trenton, N. J., and 627 Market st., Phila.
- Marble Mosaic.**
Belf Bros. & Co., 20-22 S. 19th st., Phila.
- Mill Supplies.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Mill Work.**
O. M. Weber Co., North Wales, Pa.
- Mortar Colors.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Overhead Carrying Systems.**
Richards-Wilcox Mfg. Co., 50 N. 6th st., Phila.
- Paints and Varnishes.**
Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Pipe Fittings and Valves.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Plumbing Fixtures.**
Camden Pottery Co., Camden, N. J.
- Preservatives (Wood and Concrete).**
Barrett Mfg. Co., N. Y. City and Phila.
F. E. Sagendorph, 131 S. 24th st., Phila.
- Radiators.**
H. B. Smith Co., 1225 Arch st., Phila.
- Ranges.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Refrigerators.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Roofing.**
Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st., Phila.
- Roofing Slate.**
C. F. Shellenberger, Builders' Exchange, Phila.
- Roofing Tiles.**
C. F. Shellenberger, Builders' Exchange, Phila.
- Roofing Paper.**
O. W. Ketcham, Builders' Exchange, Phila.
- Scales.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Sanitary Flooring.**
Leather Flooring Co.,
Glen Rock, Pa., & Land Title Bldg., Phila.
Philadelphia Mineral Flooring Co.,
5632 Summer st., Phila.
- Sewer Pipe and Flue Linings.**
C. F. Shellenberger, Builders' Exchange, Phila.
- Sash Pulleys.**
Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
- Soundings.**
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
- Stair Work.**
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila.
- Structural Engineer.**
Harry C. Eisenbise Co., Penna. Bldg., Phila.
- Switchboards.**
Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Terra Cotta (Architectural).**
O. W. Ketcham, Builders' Exchange, Phila.
- Test Borings.**
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
- Tile and Terraza Work.**
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila.
- Wall Board.**
Belf Bros. & Co., 20-22 S. 19th st., Phila.
- Cell Board.**
The Philip Carey Co., 13th & Hamilton sts., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.
- "Compo."**
Howard Ketcham, 3d and Girard ave., Phila.
- "Utility."**
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Waterproofing.**
The Aquabar Co., Real Estate Trust Bldg., Phila.
Barrett Mfg. Co., N. Y. City and Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Weather Strip (Metal).**
Standard Paint Co., 100 William st., N. Y. City.
- Window Screens.**
Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
- Window Screens.**
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
- Wire Work.**
N. J. Wire Cloth Co.,
Trenton, N. J., and 627 Market st., Phila.
Audubon Wire Cloth Co., Inc., Audubon, N. J.



receives GOLD MEDAL

After TESTING Impervite and all the other waterproofing compounds exhibited, the judges at the San Francisco Exposition have just given Impervite the GOLD MEDAL, the only compound so honored.



A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit.

Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg., NEW YORK
Peoples Gas Bldg., CHICAGO
Beacon Building, BOSTON

Let us estimate on your work
Alterations, New Construction, Repairs

RUSSELL & KEFFER
Carpenters and Builders

Commercial Trust Building, Philadelphia, Pa.

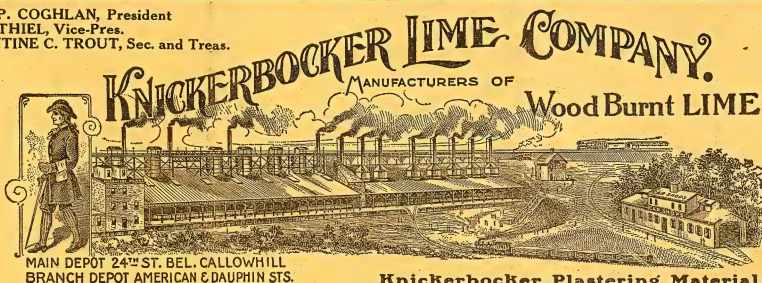
Prompt and Efficient Service. Low Cost

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



MAIN DEPOT 24TH ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEENE'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 50.

PHILADELPHIA, WEDNESDAY, DECEMBER 15, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

"Quality First"
PEERLESS

MORTAR



COLORS

Brightest

Strongest

Unfading

Manufacturers also of the Famous

BUCK WHITE LEAD—A combination white paint
CROWN PAINTS—Ready mixed, semi-liquid, paste
COLORS—in oil, Japan, distemper, dry
VARNISHES—Elastic, durable, lustrous

WE SET AND SELL

TILES, MANTLES, FIREPLACE FIXTURES

SAMUEL H. FRENCH & CO.

York Ave., Fourth and Callowhill Sts.

Established 1844

PHILADELPHIA

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING Co.

5632-34 Summer Street

Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



Protection for Lawns and Gardens

ANCHOR POST FENCES

are not the ordinary kind—they are fences of heavy galvanized netting erected on Anchor Posts—posts which won't sag or get out of line, and are galvanized both above and below ground to prevent rust.

In addition to fences and iron railings and gates of every kind we make tennis court, chicken-run and kennel-yard enclosures.

Catalogues for the asking
Anchor Post Iron Works
W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.

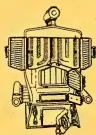


Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The **PIERCE-SCHMIDT CO. Inc.**
BULLETIN BUILDING, PHILA. PA.

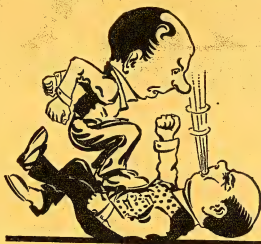
—MILLS—



"Recommendation"

A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on
Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"
Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting
1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.
Shops, Brooklyn, N. Y.

Structural Steel

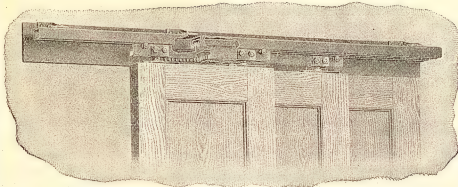
PITTSBURGH BRIDGE AND IRON WORKS
Shops, Rochester, Pa.

District Representative

JAMES G. MADDEN

1011 Franklin Bank Building
Bell Phone, Walnut 4344
Keystone Phone, Race 2718 Philadelphia, Pa.

IDEAL Elevator Hanger



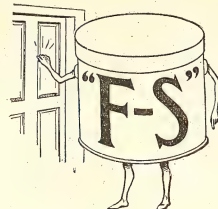
**IDEAL in Name and Action
"And Made in U. S. A."**

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



**Opportunity knocks at
your door through "F-S"
Products.**

They say that Opportunity knocks but once to every man, but you can secure good results every day with our Imperial Spar Varnish. It is light, clear and of medium body; *dries without dust in 8 hours*; does not turn white; is unaffected by heat and moisture, and is durable indoors and out.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(120)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably GOLD MEDAL AWARDED, BERLIN—STEGELITZ adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars, Etc. wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.
Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

**Has your work ever been held
up on account of slow delivery
of BRICKS?**

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

**Complete line of Clay Products,
including Face Bricks, Hard Bricks,
Sewer Bricks, Flue Linings, Sewer
Pipe, Roofing and Floor Tile.**

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation.

Thoroughly vitreous.
The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages?

Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.
1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

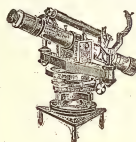
ALTERATIONS

:

JOBGING

Bell, Spruce 4419

Keystone, Race 3210



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15

to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 3803, 3804. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 50.

PHILADELPHIA, WEDNESDAY, DECEMBER 15, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Sunday School, Allegheny avenue and F streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Trinity Reformed Episcopal Church, Rev. Henry McCrea, 3229 Rorer street, Philadelphia. Stone and terra cotta, 2 stories, 80x101 feet, slag roof, metal lath, tile work (heating, plumbing and electric work separate bids). Revised plans in progress. Architects will take new bids in about two weeks.

Passenger Station (alts.), Cheltenham avenue, Philadelphia. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station. Stone and brick, 1 story, consists of moving station to another site, new foundations and alterations and shelter sheds. Owners taking bids, due December 17th at noon. The following are figuring: Sutton & Stephenson, 1317 Washington avenue; Edward Fay & Son, 2 South Mole street; Roydhouse-Arey & Co., Fidelity Building; Charles McCaul Co., 1713 Sansom street; Charles McDermott, Pennsylvania Building; Eugene Tourison, 1001 Chestnut street; Mitchell Bros., 2125 Race street.

Grade Crossings, etc., Cheltenham avenue. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Consists of abolishment of grade crossings and grading at Cheltenham avenue, St. Martins lane and Hortter street. Owners taking bids, due December 20th at noon.

Factory Buildings, James and Fraley sts., Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Abrasive Material Co., on premises. Brick, 2 stories, 232x90 feet; one story, 60x85 feet; one additional story, 40x115 feet; slag roofs, fire doors, reinforced concrete, steel sash, metal doors, metal lath (lockers, plumbing, heating, electric work and elevators reserved). Architects taking bids, due December 15th. The following are figuring: James H. Wells, Heed Building; Cramp & Co., Denckla Building; A. Raymond Raff, 1635 Thompson street; Irwin & Leighton, 126 North

Twelfth street; H. E. Baton, Twelfth and Sansom streets; F. L. Hoover & Sons, 1023 Cherry street; William R. Dougherty, 1610 Sansom street, Philadelphia.

Market House (alts.), Second street, Pine to South streets, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, M. L. Cooke, Director, City Hall. Frame and brick, 1 story (plumbing separate bids). Lowest bid submitted by E. C. Durell, 1713 North Twenty-fourth street, \$2,679.

School Building (add.), Seventieth and Woodland avenue, Philadelphia. Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, City Hall. Brick and stone and concrete, 3 stories, 53x105 feet, slag and slate roof, metal lath, metal weather strips, reinforced concrete floors, reinforcing bars, glazed bricks, waterproofing (heating, plumbing, electric lighting separate bids). Lowest bid submitted by W. Beaumont, Stephen Girard Building, \$58,147.

School Building, B street and Allegheny avenue. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, steel and concrete, fireproof, 3 stories (heating, plumbing and electric work separate bids). Lowest bidders, Melody & Keating, Bailey Building, \$291,698.

Store Building (alt. and add.), Twentieth and Arizona streets. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, William Morris, on premises. Brick, 1 story, consists of new bulk windows, new stairs, etc. Plans in progress.

Residences (48), Logan, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner's name withheld. Brick, 2 stories, slag roofs, hot water heating, electric lighting. Plans in progress.

Garage, 31 West School House lane. Architect, private plans. Owner, George F. Stuempfig, 5430 Wayne avenue, Philadelphia. Brick, 2 stories, 26x101 feet and 57x93 feet, slag roof, steam heating, electric lighting, reinforced concrete floor in office. Owner taking bids, due December 18th. The following are

figuring: I. T. Shoemaker, 1309 Walnut street; H. P. Schneider, 3715 Old York road.

Residence, St. Martins, Philadelphia, \$15,000. Architect, Robert Rodes McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Robert J. Coleman, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 67x45 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Revised plans completed. Architect will take new bids in a few days.

Factory and Store, 1122-24 Pine street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Lewis King, 928 Pine street, Philadelphia. Brick, 4 stories, 30x80 feet, slag roof, electric lighting, steam heating, cement floors. Plans in progress. Architect will take bids in about two weeks.

Store Building (alts.), 18 South Seventeenth street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Cornelius Monihan, 16 South Seventeenth street, Philadelphia. Brick, 3 stories, addition of 15x16 feet, slag roof, steam heating. Architect taking bids.

Residence and Garage, St. Martins, Philadelphia, \$25,000. Architect, Lindley Johnson, Harrison Building, Philadelphia. Owner, J. Percy Keating, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 60x30 feet, hardwood floors, electric lighting, tile work. Plans about completed. Architect taking bids.

Warehouse, 244 to 248 North Third street, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Cover & Co., 349 North Third street, Philadelphia. Brick and terra cotta, reinforced concrete floors, 6 stories, 51x61 feet, Careys roof, reinforcing bars, tile work, maple floors (heating and electric work reserved). Architect taking bids, due December 17th. The following are figuring: Monaghan & Losse, 214 South Twelfth street; Jacob Myers & Sons Co., Witherspoon Building; H. E. Baton, Twelfth and Sansom streets; Barclay White & Co., Perry Building; Harry Corning, Crozer Building, Philadelphia.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia

BELL PHONE, WALNUT 1086

KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

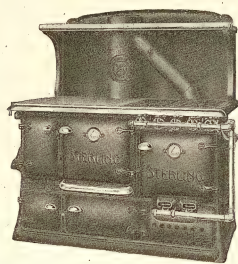
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one occupying a minimum of space.

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St. Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Factory, 1220 to 1224 Spring Garden street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, B. Eschner, president, M. Rice & Co., 1220 Race street, Philadelphia. Reinforced concrete, brick and terra cotta, 5 stories, 54x100 feet, asphalt roof, tile work, expanded metal, damp-proofing, reinforcing bars, kalamein doors, steel sash (plumbing, heating, electric work, sprinklers and elevator reserved). Architects taking bids, due December 17th. The following are figuring: Turner Concrete Steel Co., 1713 Sansom street; Frank G. Stewart, 1619 Sansom street; Barclay White & Co., Perry Building; H. H. Burrell, 206 South Quince street; Ketcham & McQuade, 1029 Brown street; Monaghan & Losse, 214 South Twelfth street; Metzger & Fisher, Denckla Building; E. E. Hollenback, Fifteenth and Race streets; McCloskey & Bahl, Hale Building, all of Philadelphia.

Store Building, 1638-40 Market street, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, Frank Hardart, 818 Chestnut street, Philadelphia. Brick, stone, terra cotta, 2 stories, 39x120 feet, slag roof, steam heating, electric lighting, tile work, damp-proofing, metal lath. Architects have received sub-bids.

Office Building (alts.), 1230 Arch street, Philadelphia. Architect, private plans. Owners, Bell Telephone Co. of Penna., on premises. Brick, terra cotta and steel, 8 stories, consists of rearranging offices, new partitions, etc., composition floors, electric lighting, plumbing. Owners taking bids. The following are figuring: F. W. Van Loon, Denckla Building; F. L. Hoover & Sons, 1023 Cherry street; E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Court Building (alts.), Twelfth and Wood streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, care County Commissioners, Room 134, City Hall. Brick, 3 stories, slag roof, enameled bricks, metal lath, composition floors, steel sash, iron stairs, safety treads, metal sash, fire doors, iron fence, terrazzo floors (heating, plumbing and electric work separate bids). Owners taking bids, due December 16th at noon. The following are figuring: Henry L. Brown, 1714 Sansom street; W. W. Anstine & Co., 1218

Filbert street; Metcham & McQuade, 1029 Brown street; H. E. Baton, Twelfth and Sansom streets; E. C. Durell, 1713 North Twenty-fourth street; James P. Farrell & Co., 1619 Sansom street; H. H. Wehmeyer, 1004 Lehigh avenue; Fidelity Construction Co., Heed Building; Frank G. Stewart, 1619 Sansom street; Joseph Bird Co., 213 North Eleventh street; Melody & Keating, Bailey Building, all of Philadelphia.

Residences (31) Garages (11), Fifth street and Northeast Boulevard. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. Sonnenfeld, 6114 Spruce street, Philadelphia. Brick, 2 stories, slate, slag and tin roofs, hot water heating, electric lighting, hardwood floors, tile work. Owner and architect taking sub-bids on all lines.

Residences (120), Sixteenth and Windrim avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Hart & Bailey, Fifteenth and Lindley avenue. Brick, 2 stories, slag roofs, hot water heating, tile work, hardwood floors, electric lighting. Owners taking sub-bids.

Court Building (alts.), Twenty-first and Race streets, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, City of Philadelphia, care County Commissioners, Room 134, City Hall. Brick, 3 stories, slag roof, metal lath, metal sash, fire doors, reinforced concrete stairs, composition floors (heating, plumbing and electric work separate bids). Owners taking bids, due December 16th at noon. The following are figuring: F. W. Van Loon, Denckla Building; W. W. Anstine & Co., 1218 Filbert street; Ketcham & McQuade, 1029 Brown street; H. E. Baton, Twelfth and Sansom streets; E. C. Durell, 1713 North Twenty-fourth street; James P. Farrell & Co., 1619 Sansom street; H. H. Wehmeyer, 1004 West Lehigh avenue; Fidelity Construction Co., Heed Building; Frank G. Stewart, 1619 Sansom street; Melody & Keating, Bailey Building, Philadelphia.

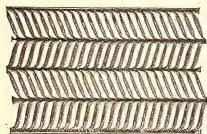
Ice House and Storage Shed, Darien street and Washington avenue. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Ice Co., Sixth and Arch streets, Philadelphia. Consists of general repairs to roof, new supports, etc. Architects have received bids.

UTILITY WALL BOARD

FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

We Pay For This Space



Herringbone Metal Lath

TO SERVE YOU

For every problem there is one best method—for every method, one best material. Combine the two and perfect results are assured.

When you want Concrete Floors or Roofs designed, when it is a question of Suspended Ceilings, Stucco Work or Inside Plastering, call on us.

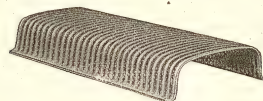
OUR ENGINEERS ARE AT YOUR SERVICE

The only way to estimate just exactly how much our Engineering Department has helped Architects, Contractors, Plasterers and Owners during the past year

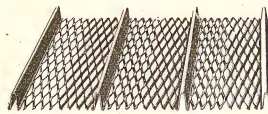
ABSOLUTELY FREE

is by their return inquiries.

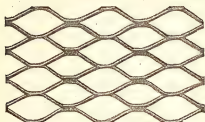
We have designed concrete floors and roofs, porch floors, suspended ceilings, partitions, curtain walls—in fact, every form of light concrete construction.



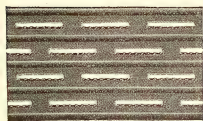
Steel Tile



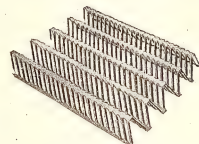
Self Sentering



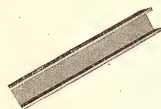
'Bilco' Metal Lath



'Bilco' Sheet Lath



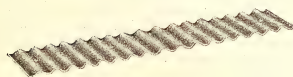
Trussit



Cold Rolled Channels

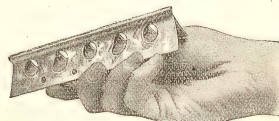


Expanded Metal



Wall Ties

Have We Helped
You? Why Not?



'Bilco' Corner Bead

Builders Steel Products Co.

PHILADELPHIA

WILKES-BARRE

—WATERPROOFING MATERIALS—

When writing to advertisers, please mention THE BUILDERS' GUIDE.

In Renovating

the interior of the CATHEDRAL of SS. PETER and PAUL, Philadelphia

Modern Gas Light was Selected

on account of its superior daylight quality, coupled with its economy and artistic appearance.

It will pay you to consider this ideal illuminant whenever you build or renovate churches, assembly halls or houses.

Get in touch with our "Builders and Operators Division."

Telephones:
Bell—Filbert 2191; Keystone—Race 2690

THE UNITED
GAS IMPROVEMENT
COMPANY

THE FAIRBANKS CO.
PHILADELPHIA

—
**VALVES
AND
SCALES**

R. B. WIBLE & SON
Brick Arches and Angles
Ground and Fitted

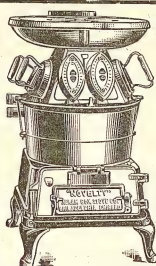
Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"NOVELTY" REMINDERS

The "NOVELTY" LAUNDRY STOVE

Answers the Growing Demand of House Buyers
in the Most Practical and Efficient Way.

It will Supply AMPLE HOT WATER AT ALL TIMES at a Cost of Only a Few Cents a Day; and in addition will also Heat Eight Irons on the Side and a Large Wash Boiler on the Top.

Write for Literature and See Why it is the Most Efficient
Appliance of its Kind

Manufactured by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

Piers and Foundations, Frankford, Philadelphia. Engineers, Department of City Transit, Bourse Building, Philadelphia. Owners, City of Philadelphia, A. M. Taylor, Director, Bourse Building. Consists of concrete piers and foundations for elevated on Frankford avenue, from Unity street to Dyre street. Proposal bond. Lowest bid submitted by E. H. Vane, Lincoln Building, \$17,700.

Bridge, Annsbury street and N. Penna. RR. Engineer, Geo. S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Steel and concrete, girder type, 70-foot street, waterproofing. Lowest bid submitted by Donato Delise, 4842 North Leithgow street, Philadelphia, \$42,015.20.

Bridge, Orthodox street, over Frankford creek. Engineer, Geo. S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Steel, encased in concrete, 48 feet wide, 78 feet between abutments. Lowest bid submitted by Richard Walsh & Son, Inc., 5122 Tacony street, \$24,356.

Residences (25), Margaret and Tacony sts., Philadelphia. Architect, private plans. Owner, Louis Solomon, 263 South Eighth street, Philadelphia. Brick, 2 stories, 15x36 feet, slag roofs, electric lighting, hot air heating, tile work. Owners ready for sub-bids on all lines.

Department Store, 833-35 Market street, Philadelphia, \$100,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Blauners, Inc., 833 Market street, Philadelphia. Brick, concrete, terra cotta and steel, fireproof, 4 stories, 43x200 feet, slag roof, steam heating, electric lighting, tile and marble work, elevators. Plans completed. Architects ready for bids.

Residence and Garage, City Line, Overbrook, Pa., \$40,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edward M. Story, 419 Walnut street, Philadelphia. Stone, 2½ stories, 106x57 feet, wing 23x44 feet, tile roof, canvas floor, tile and marble work, steam heating (electric work and parquetry floors reserved). Revised plans completed. Architect will be ready for bids in a few days.

Factory Buildings (3), Nicetown, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, George W. Blabon Co., Nicetown, Pa. Concrete and brick, 79x23 feet, 33 feet high, reinforced concrete roof, reinforcing bars, 4 stories, 71x45 feet, reinforced concrete roof, 2 stories, 45x37

feet, slag roof. Architects taking bids, due December 20th. The following are figuring: Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth street; William Steele & Sons Co., 1600 Arch street; Turner Concrete Steel Co., 1713 Sansom street; Harrison C. Rea Co., 1027 Wood street, Philadelphia.

Residence (alt. and add.), Chestnut Hill, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, John B. Morgan, 235 Chestnut street, Philadelphia. Stone, 2½ stories, slate and tin roof, electric lighting, tile work, electric elevator, metal weather strips (heating reserved). Architects taking bids, due December 16th. H. H. Burrell, 206 South Quince street, is figuring (only bidder).

Residence and Garage, Lincoln Drive, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Stone, 2½ stories, 30x52 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architects will take bids in about ten days.

Church (alts.), Germantown avenue and Upsal street, Germantown. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Second Baptist Church of Germantown, Rev. Charles H. Dodd, 43 East Upsal street, Germantown. Consists of new kitchen and interior alterations, electric lighting (vapor vacuum heating reserved). Architects taking bids, due December 20th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; William J. Gruher Co., 219 East High street; William H. Eddleman & Son, 453 Green Lane, F. Elridge & Son, 5522 Germantown avenue; John Walt, 204 East Willow Grove avenue; William C. Wright, 22 Harvey street; Samuel Harting, 20 East Johnson street, Germantown.

Residence and Garage, St. Martins, Philadelphia, \$30,000. Architect, Lindley Johnson, Harrison Building, Philadelphia. Owner, J. Percy Keating, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 35x90 feet, single roof, oak floors, tile work (heating, plumbing and electric work reserved). Architect taking bids, due December 24th. The following are figuring: Pringle Borthwick, 8018 Germantown avenue; Thomas M. Seeds, Jr., 1207 Race street; Specht & Sperry, Heed Building; R. C. Ballinger & Co., 218 North Thirteenth street; Kohl & Megargee, 124 East Gorgas lane.

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
SUPERSEDES PLASTER FOR
WALLS
AND CEILINGS

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, Wire Cloth, NETTING, FENCING and WIRE WORK**Main Office, Trenton, N. J.**OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Shop Building, Milnor and Bleigh streets, \$10,000. Architect, private plans. Owners, Philadelphia Steel & Forge Co., on premises. Brick and steel, 1 story, 50x108 feet. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue.

Offices, Stable and Storage, Fifty-sixth and Arch streets, Philadelphia, \$9,000. Architect, private plans. Owner, Wm. Clark, 4500 Kingessing avenue, Philadelphia. Brick, 2 stories, 16x65 feet, slag roof, steam heating. Work started. Owner is sub-letting.

Factory and Offices, Westmoreland and Richmond streets, \$4,000. Architect, private plans. Owners, General Smelting Co., Bullitt Building, Philadelphia. Factory, corrugated iron, 1 story, 40x60 feet; office building, brick, 1 story, 30x30 feet, slag roof. Contract awarded to James P. Farrell & Co., 1619 Sanson street, Philadelphia.

Dwelling, 628 Wolf street. Architect, Herman H. Kline, Sixth and Mifflin streets. Owner, M. Rappaport, 513 Garrett street. Brick and stone, 2 stories, 16x40 feet, slag roof, hot air heating, combination lighting. Builder D. Goldovsky, 424 Mercer street, will take sub-bids. Work started.

Tool Houses, Thirty-third and Girard avenue, Philadelphia, \$2,000. Architect, private plans. Owners, Pennsylvania Railroad Co. (Philadelphia Terminal Division), Thirty-second and Powelton avenue, Philadelphia. Brick and plaster, 1 story, 17x37 feet, Rex tile shingle roof (plumbing and lighting reserved). Contract awarded to A. L. Carhart, Hale Building, Philadelphia.

Warehouse (alts.), 28 South Sixth street, \$9,000. Architects, H. Harris & Richards, Drexel Building, Philadelphia. Owners, Estate of A. J. Drexel, Drexel Building, Philadelphia. Consists of general alterations and addition of one story, 25x105 feet, slag roof. Contract awarded to H. H. Barrell, 206 South Quince street, Philadelphia.

Garage, Ridge avenue and Walnut lane, \$2,000. Architect, private plans. Owner, George Flint, Ridge avenue and Walnut lane, Philadelphia. Brick, 1 story, slag roof, cement floors. Contract awarded to C. O. Struse & Sons, Walnut lane, Manayunk, Philadelphia.

Stores (2), Fifth and Tabor road. Architects, Neubauer & Boyd, 1118 Chestnut street,

Philadelphia. Owner, Wm. C. Runge, 6354 Germantown avenue. Brick, 1 story, 16x35 feet each, slag roof, hot air heating. Contract awarded to George A. Boyd, 211 East Willow Grove avenue.

Garage, 5871 Drexel Road, Philadelphia, \$600. Architect, private plans. Owner, Fred McOwens, 5871 Drexel road. Consists of general alterations. Contract awarded to Milton E. Young, Overbrook, Philadelphia.

Factory (remodeling), northeast corner of Tenth and Filbert streets, \$25,000. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, Samuel Sternberger, on premises. Brick, 7 stories, consists of general remodeling of interior, elevators, plumbing, sheet metal work, plastering, painting, (electric work reserved). Contract awarded to Freund-Siedenbach Co., Bulletin Building.

Social Centre, 1226-28 Parrish street, \$25,000. Architect, private plans. Owners, Salvation Army, care of Industrial Home, No. 1, 2132 Market street. Consists of general interior alterations, steam heating, electric lighting, tile work, plumbing, slag roof. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.**BUILDING CONSTRUCTION**

1215 Filbert Street, Philadelphia

We please architects and satisfy owners
Both will recommend our work



Does Your Roof Leak?

Tin and Slag

Roofing

HEATERS
RANGES
CORNICES
SKYLIGHTS

BRINKMANN BROS.2615-17 Frankford Ave. - Phila., Pa.
ESTABLISHED 1865**WELLS DRILLED****Test Borings**

Ask for Prices

JOHN B. RULON

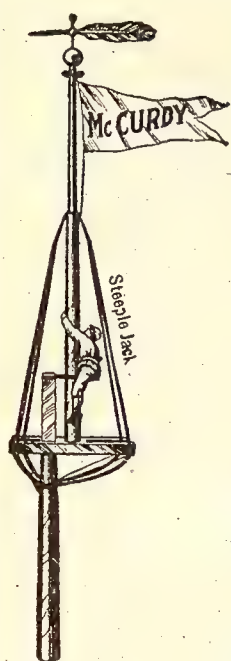
1355 Colwyn Street

Philadelphia, Pa.

Don't knock. Boost! Don't grouch. Smile!
Don't mope. Advertise!

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building
Philadelphia, Pa.



FLAG POLES and Fittings

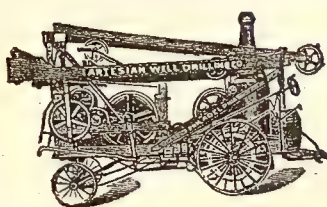
Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings Test Borings

**Artesian Well
Drilling Co.**

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

**Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses**

THE AQUABAR CO.

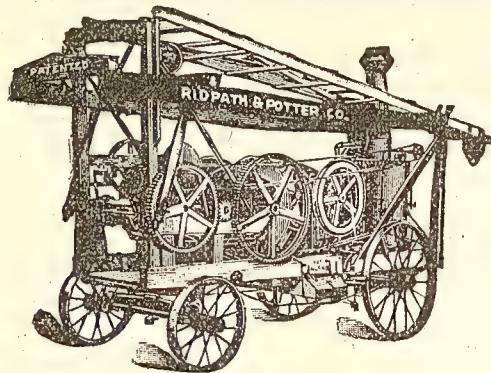
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
- PHILADELPHIA, PA.



JOHN GALLATIG Practical Brick and Stone Pointer

Old, dirty brick fronts not painted,
made like new

447 W. DAUPHIN ST., PHILA., PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

PENNSYLVANIA Construction News

Residence (alt. and add.), Brownsburg, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, J. Lu Bois Fetter, Brownsburg, Pa. Stone, 2½ stories, consists of general alterations and additions. Plans about completed. Architect will take bids in a few days.

Auto Body Factory, Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, The Autocar Co., Ardmore, Pa. Brick and steel, 3 stories, 375x300 feet, consists of main building, boiler house and blacksmith shop, slag roof, reinforcing bars, steel sash, fire doors, damp-proofing (plumbing, heating, electric work, elevators and power equipment reserved). Plans in progress for a larger building. Architects will take new bids in a few days.

Apartment Houses (2), Eddystone, Pa. Architect, Herman H. Kine, Sixth and Mifflin streets, Philadelphia. Owner, John N. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, stone and terra cotta, 3 stories, 20x125 feet, slag roof, steam heating, combination lighting, fire escapes. Plans about completed. Owner and architect will take sub-bids on all lines.

Residence and Garage, Drexel Hill, Pa. Architect, E. Kenny Crothers, 5218 Chestnut street, Philadelphia. Owner, F. W. Cassidy, Seventeenth and Wharton streets, Philadelphia. Stone, 3 stories, 44x29 feet, wing 17x12 feet, asbestos shingle or slate roof, hot water heating, electric lighting; Garage, 1 story, 20x18 feet, stone and hollow tile. Plans about completed. Architect will be ready for bids in a few days.

Farm House (remodeling), Springfield, Pa. Architect, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building. Stone, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in about ten days.

Residence, Doylestown, Pa., \$10,000. Architect, A. O. Martin, Doylestown, Pa. Owner, Eugene Shuman, Doylestown, Pa. Hollow tile and plaster, 2½ stories, 42x35 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work, damp-proofing. Architect taking bids, due December 30th. The following are figuring: Stokes Bros., 6723 Musgrave

street; Mitchell Bros., 2125 Race street, Philadelphia; L. F. Treffinger, Doylestown, Pa.; David D. Nice, Doylestown, Pa.

Residence (alt. and add.), Lansdale, Pa. Architect, Walter S. Slifer, Lansdale, Pa. Owner, Dr. Pierce Lakin, Lansdale, Pa. Hollow tile and stucco, 2½ stories, 15x30 feet, Carey's roof, hot water heating, electric lighting, hardwood floors, new plumbing. Plans in progress.

Service Building, Scranton, Pa. Architect, Albert Kahn, Detroit, Mich. Owners, Ford Motor Co., Detroit, Mich. Reinforced concrete, brick and terra cotta, 3 stories, 82x180 feet, composition and tile roof, steel sash, metal lath, damp-proofing, fire escapes, tile and terrazzo floors (plumbing, heating, electric work and elevators reserved). Architect taking bids, due December 21st. The following are figuring: Cramp & Co., Denckla Building, Philadelphia, and Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Garage, Villanova, Pa. Architects, Broekie & Hastings, 1713 Sansom street, Philadelphia. Owner, Mrs. H. Howard Ellison, Jr., 1953 Locust street, Philadelphia. Hollow tile and plaster, 2 stories, 26x24 feet, slate roof, metal lath, waterproofing (heating and electric work reserved). Architects taking bids, due December 16th. The following are figuring: H. H. Burrell, 206 South Quince street; Gray Bros., Rosemont, Pa.; J. D. Lengel, Wayne, Pa.

Residence and Garage, Wawa, Pa., \$60,000. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, George Wood, Wawa, Pa. Stone, 2½ stories, 32x69 feet; wing, 60x28 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence and Garage, Haverford, Pa., \$40,000. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, J. Heron Crossman, Jr., 1230 Arch street, Philadelphia. Hollow tile and plaster, 2½ stories, 34x112 feet, slate roof, hot air heating, electric lighting, tile work, hardwood floors. Plans in progress. Architects will take bids in about two weeks.

You can't hire loyalty; you have got to deserve it.—Ex.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

PENNSYLVANIA

Contracts Awarded

High School, Lebanon, Pa., \$151,000. Architect, A. A. Ritcher, Sixth and Courts streets, Reading, Pa. Owners, Board of Education, care John Selzer, Chairman Building Committee, Lebanon, Pa. Brick, 2½ stories, 180 x 180 feet, tile roof, dampproofing, slate blackboards, tile and marble work, concrete floors (heating, plumbing and electric work separate bids). Contract awarded to Beard Construction Co., Colonial Trust Building, Reading, Pa.

Residence, Moylan, Pa., \$7,500. Architects, De Armond, Ashmead & Bickley, 618 Chestnut streets. Owners, Addis H. Downing, Moylan, Pa. Brick, 2½ stories, 38 x 27 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

Residence, Narberth, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, A. C. Shand, Narberth, Pa. Brick and stone, 2½ stories, hot water heating, electric lighting, tile work. Contract awarded to Wm. D. Smedley, Narberth, Pa.

Residence, Narberth, Pa., \$6,000. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, James Artman, Narberth, Pa. Stone, hollow tile and frame, 2½ stories, 22x48 feet, shingle roof, hot water heating, electric lighting, tile work. Contract awarded to Wm. D. Smedley, Narberth, Pa.

Bungalow, Mt. Pocono, Pa. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, Charles L. Gilliland, 6398 Drexel road, Philadelphia. Frame, 1 story, 75x32 feet, shingle roof, hot water heating, electric lighting. Contract awarded to A. Y. Hoffman, East Stroudsburg, Pa.

Ice Storage Building, Berwyn, Pa. Architect, Frederick J. Ritter, Seventh and Dauphin streets, Philadelphia. Owners, Bryn Ice Mfg. Co., Bryn Mawr, Philadelphia. Brick, steel and concrete, 50x50 x 65 feet, 300,000 ton capacity. Contract awarded to

Herman Voigt, Twenty-third and Girard avenue, Philadelphia.

Residence (alt. and add.), Wawa, Pa. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, George Wood, Wawa, Pa. Frame, 2 stories, 22x32 feet, shingle roof (heating, plumbing and electric work separate bids). Contract awarded to Loos & Dothard, Commercial Trust Building, Philadelphia.

Residence & Garage, Haverford, Pa., \$50,000. Architect, D. K. Boyd, northeast corner Fifteenth and Walnut streets, Philadelphia. Owner, John Barnes, Ardmore, Pa. Stone, brick and plaster, 2½ stories, 32x85 feet, wing 21x28 feet; garage, 23x40 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Frank H. Mahan, Ardmore, Pa.

Factory and Power House, Pottstown, Pa., \$100,000. Engineer, M. N. Shoemaker, Union Building, Newark, N. J. Owners, National Rubber Co., Pottstown, Pa. Reinforced concrete. Factory, 2 stories, 170x134 feet, reinforced concrete; power house, 1 story, 120x47 feet, slag roof, waterproofing, reinforcing bars, safety treads, iron stairs, steel sash, kalamain doors (heating and electric work reserved). Contract awarded to James H. Wells, Heed Building, Philadelphia.

Boiler House, Coatesville, Pa. Architect, private plans. Owners, Worth Bros. Co., care of Mr. Carter, Midvale Steel Co., Nicetown, Philadelphia. Brick, reinforced concrete and steel, 1 story, 170x43 feet, coal bunker 112 feet long, slag roof, iron stairs, metal sash. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Bungalow, Lima, Pa., \$6,100. Architect, I. Newton Flounders, Media, Pa. Owner, J. Harvey Smith, Media, Pa. Stone, 1½ stories, 32x77 feet, asbestos shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to James B. Flounders, 1329 Arch street, Philadelphia.

Our organization makes⁶ a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.
622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work
Flooring
Cabinet Work

O. M. WEBER CO., Inc.
North Wales, Pa.

NEW JERSEY

Construction News

Convention Hall, Atlantic City, \$500,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owners, Convention Hall Company, care Underwood Cochran, 178 South New York avenue, Atlantic City, N. J. Steel and terra cotta, 3 stories, 350x670 feet, cement tile roof, steam heating, electric lighting, reinforced concrete floors, metal lath, waterproofing and dampproofing. Plans in progress.

Hotel (rebuilding), Delaware Water Gap, Pa., \$50,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owner, J. Purdy Cope, The Albemarle, Atlantic City, N. J. Stone and frame, 2½ stories, steam heating, electric lighting, tile work. Plans in progress.

Club House (alt. and add.), Atlantic City, N. J. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owners, Knights of Columbus, Atlantic City, N. J. Frame and stucco, 1 story, 8x35 feet, composition floors, electric lighting, shower baths. Architect taking bids, due December 21st.

Residences (4), Ventnor, N. J. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, Thomas G. Sheen, 1542 Atlantic avenue, Atlantic City. Frame, 2½

stories, 45x26 feet each, slate roofs, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking bids.

Hotel (alts.), Pacific and Arkansas avenues, Atlantic City, \$7,000. Architect, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, Dr. R. B. Ludy, Pacific avenue, corner South Tennessee avenue, Atlantic City, N. J. Frame, one additional story, 58x36 feet, slate roof, electric lighting, tile work. Architects ready for bids.

Residence (alt. and add.), Ocean City, N. J. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, E. B. Bacon, Ocean City, N. J. Brick and frame, 3 stories, 20x18 feet, canvas roof, vacuum heating, electric lighting, hardwood floors. Plans in progress.

Residences (3), Atlantic City, N. J., \$15,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owners, Plaza Land Co., Atlantic City, N. J. Brick and frame and stucco, 2 stories, 28x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Bungalows (4), Ventnor, N. J., \$17,500. Architect, Wm. Shull, Guarantee Trust Building, Atlantic City, N. J. Owners, name with-

held. Frame and shingles, 1½ stories, 28x40 feet each, slate roofs, hot water heating, electric lighting, tile work. Plans in progress.

Library Building, Camden, N. J., \$130,000. Architects, Karcher & Smith, 34 South Seventh street, Philadelphia. Donor, Eldridge R. Johnson, President, Victor Talking Machine Co., Camden, N. J. Stone and steel, fireproof, 1 story. Details not decided. Plans about to be started.

School, Paulsboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Paulsboro, N. J. Brick, limestone trimmings, 2 stories, 30x100 feet, slate roof, slate blackboards, metal lath, kalamain doors, dampproofing, concrete floors, reinforcing bars, safety treads (heating, plumbing and electric work separate bids). Lowest bid submitted by W. R. Titus, Woodbury, N. J., \$35,000.

Hotel, Atlantic City, N. J., \$600,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Company, care of Mastbaum Bros. & Fleisher, Finance Building, Philadelphia. Brick, concrete and steel, fireproof, 10 stories, composition roof, steam heating, electric lighting, tile and marble work, metal lath, concrete floors. Preliminary plans in progress.

Cottage, Stone Harbor, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner's name withheld. Frame, 2 stories, 33x45 feet, shingle roof. Architects

taking bids, due as soon as possible. The following are figuring: Amos Dickinson, Larsen Constructing Co., W. L. Turpin, D. B. Hartman, all of Stone Harbor, N. J.

Garage, North Broad street, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Roger Henry, 216 North Broad street, Trenton, N. J. Brick and steel, 2 stories, 42x96 feet,

siag roof, electric lighting, concrete floors, steam heating. Plans in progress.

Residences (9), South Broad street, Trenton, N. J., \$18,000. Architect, private plans. Owner, Fred T. Walters, Trenton, N. J. Frame, 2½ stories, 14x40 feet, slate and tin roofs, hot water heating, combination lighting. Owner is sub-letting all contracts.

Hoss Steel Co., Henry Hess, president, Witherspoon Building, Philadelphia. Corrugated iron and steel, 1 story, consists of furnace and machine shops. Contract awarded to Dietrich Bros., Davis and Pleasant streets, Baltimore, Md.

Sunday School, Broadway and Gay streets, Baltimore, \$30,000. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owners, Faulk Presbyterian Church, on premises. Stone, 2 stories, 79x71 feet, partly fireproof, slate roof, hot water heating, electric lighting. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore.

Factory (alts.), Guilford avenue, Baltimore, Md. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owners, Crown Cork and Seal Co., on premises. Consists of new ventilators, iron gate and fences, watchman's house, etc. Contract awarded to Clarence E. Stubbs, Equitable Building, Baltimore, Md.

NEW JERSEY Contracts Awarded

Store Building (alts.), Atlantic City, N. J., \$3,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, Mrs. Theresa Cohen, 611 Boardwalk, Atlantic City. Consists of new store fixtures and lighting fixtures. Contract awarded to Charles S. Corson, 1318 Atlantic avenue, Atlantic City, N. J.

Apartment House, Stone Harbor, N. J., \$8,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, South Jersey Realty Co., care of S. Dilks, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 41x50 feet, slag roof, steam heating, electric lighting, dampproofing. Contract awarded to Larsen Construction Co., Stone Harbor, N. J.

Dairy (alt. and add.), North Broad street, Trenton, N. J., \$5,300. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Castanea Dairy Co., 234 North Broad street, Trenton, N. J. Brick and hollow tile, 2 stories, 62x34 feet, slag roof. Contract awarded to H. & M. Levy, Trenton, N. J.

Stores and Apartments (alt. and add.), 115 East Hanover street, Trenton, N. J., \$4,500. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Samuel Prior, 506 East State street, Trenton, N. J. Brick and terra cotta, 3 stories, 48x21 feet, slag roof, steam heating, electric lighting, metal bath. Contract awarded to Charles R. Randall, 43 North Hermitage street, Trenton, N. J.

Residences (3), Pennington avenue, Trenton, N. J., \$6,000. Architects, private plans. Owner, M. M. Martinett, Trenton, N. J. Frame, 2½ stories, 22x30 feet, slate roof, hot water heating, combination lighting. Contract awarded to J. H. Martinett, Trenton, N. J.

Bungalow, Merchantville, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, William Wagoner, Merchantville, N. J. Concrete and frame, 1½ stories, 52x33 feet, shingle roof, hardwood floors, hot air heating, electric lighting. Contract awarded to Martin T. James, Merchantville, N. J.

Miscellaneous Construction News

Opera House (alts.), Middletown, Del. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, Harry Newman, Middletown, Del. Brick and stone, 2 stories, consists of general interior alterations. Plans in progress.

Bungalow, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, John B. Bird, care Joseph Bancroft & Sons Co., Wilmington, Del. Frame, 1½ stories, 70x28 feet, wing 45x20 feet, wing 5x20 feet, shingle roof, hot water heating, electric lighting. Plans about completed. Ready for bids in a few days.

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

MARYLAND Construction News

Office Building, 101 to 105 Garman street, Baltimore, \$70,000. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Immediate Benefit Life Insurance Co., 900 North Eutaw street, Baltimore, Md. Brick, terra cotta, concrete and steel, fireproof, 4 stories, 66x72 feet, slag roof, steam heating, electric lighting, tile and marble work, elevator, vaults. Plans in progress. Architect will take bids about January 1st.

Church (alt. and add.), Monument street, between Aisquith and Ensor streets, Baltimore, Md. Architect, Oliver B. Wight, Munsey Building, Baltimore, Md. Stone, 2 stories, consists of general alterations. Plans in progress.

Residences (20), Baker street and Moreland avenue, Baltimore, Md. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owner, W. T. Childs, 16 West Twentieth street, Baltimore. Brick, 2 stories, 14x31 feet each, slag roofs, steam heating, electric lighting, tile work. Plans completed. Owner ready for sub-bids.

Residences (14), 2918 to 2944 Winchester street, Baltimore. Architect, S. Russell, 2900 Clifton avenue. Owners, Globe Realty Co., Baltimore, Md. Brick, 2 stories, 14x50 feet each, slag roof, steam heating. Plans in progress. Owners will sub-let.

Residence and Garage, Harford and Mayfield avenues, Baltimore, \$6,500. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owner, Frank Novak, 744 North Kenwood avenue, Baltimore. Brick, 2 stories, 43x41 feet, garage 28x24 feet, tile

roof, hot water heating, electric lighting. Owner is sub-letting all contracts.

Residence, Guilford, Baltimore, Md., \$11,000. Architect, E. L. Palmer, Jr., 408 Roland avenue, Baltimore. Owner, Dr. R. F. Abercrombie, care of Johns Hopkins University, Baltimore, Md. Brick, 2½ stories, 45x30 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors. Architect taking bids. The following are figuring: G. Walter Tovell, Eutaw and McCulloh streets; E. G. Turner, 15 East Fayette street; Cowan Building Co., 106 West Madison street; John Waters, 23 East Center street; Henry Smith & Son Co., German and Light streets, all of Baltimore, Md.

Residence, Guilford, Baltimore, Md. Architect, E. L. Palmer, Jr., 408 Roland avenue, Baltimore. Owner, Dr. Lewellys Barker, 1035 North Calvert street, Baltimore. Brick and stucco, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids. The following are figuring: Cowan Building Co., 106 West Madison street; Glaffelter & Chambers, 729 Roland avenue; G. Walter Tovell, Eutaw and McCulloh streets, all of Baltimore, Md.

Maryland Contracts Awarded

Steel Plant, Biddle street, Baltimore, Md., \$30,000. Architect, private plans. Owners,

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

A. J. Boylan (O), Sixtieth and Spruce sts. Cost, \$34,200. Nineteen dwellings, stone and brick, 2 stories, 16x32 feet, Fifty-ninth and Irving streets.

William Clark (O), 4500 Kingsessing avenue. Cost, \$9,000. Offices and storage and stable, brick, 2 stories, 16x65 feet, Fifty-sixth and Arch streets.

Arthur V. Turner (O), 6328 North Camac street. Cost, \$6,000. Dwelling, stone, 3 stories, 26x33 feet, 1202 Chelten avenue.

St. Stephen's M. E. Church (O), 5213 Germantown avenue. F. B. Davis, 240 North Sixteenth street. Cost, \$18,000. Sunday School building, brick and stone, 2 stories, 68x48 feet, 5213 Germantown avenue.

F. H. Pfeffelman (O), Eighty-ninth and Lissner avenue. F. Thompson (C), Eighty-fourth and Tincum avenue. Cost, \$1,300. Dwelling, brick, 2 stories, 16x41 feet, Eighty-ninth and Lissner avenue.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$10,500. Six dwellings, stone and brick, 2 stories, 14x36 feet, 520x22 Felton street.

P. J. Killeullen (O), 3709 Midvale avenue. Cost, \$24,200. Eight dwellings, brick, 3 stories, 16x34 feet, Upsal and Rau streets.

David McKibban (O), 2900 Frankford avenue. Cost, \$8,400. Seven dwellings, brick, 2 stories, 14x36 feet, 3012 34 Cornwall street.

Samuel H. P. Read (O), 4705 Old York road. Cost, \$4,000. Dwelling, frame, 2 stories, 26x31 feet, Park avenue and Medary street.

D. Martin Yerkes (O), Real Estate Trust Building. Cost, \$121,400. Fifty-four dwellings, brick, 2 stories, 15x41 feet, Seventh and Cayuga streets.

M. Rappaport (O), 513 Garrett street. D. Goldovsky (C), 424 Mercy street. Cost, \$2,000. Dwelling, brick and stone, 2 stories, 16x35 feet, 628 Wolf street.

Louis Solomon (O), 834 Snyder avenue. Cost, \$47,000. Twenty-five dwellings, brick, 2 stories, 14x36 feet, Margaret and Tacony streets.

G. S. Miller (O), Glenside, Pa. O. S. Miller (C), 3434 North Eighteenth street. Cost, \$10,000. Four dwellings, brick, 2 stories, 16x43 feet, Chew and Meehan streets.

Carmine Mattia (O), 261 North Avondale street. Two stores and dwellings, stone and brick, 2 stories, 16x48 feet, Simpson and Callowhill streets. Cost, \$5,000.

Cost, \$560. Dwelling, 713 North Twentieth street.

Quaker City Co. (O), Reese and Huntingdon streets. Stewart Bros. (C), 2528 North Orkney street. Cost, \$635. Factory, Reese and Huntingdon streets.

Erdmann Co. (O), 1811 Frankford avenue. Al. Schmidt (C), 2449 North Hancock street. Cost, \$1,200. Storage, 1811 Frankford avenue.

M. Palenberg (O), 810 North Second street. B. Bornstein (C), 1510 North Franklin street. Cost, \$1,000. Store and dwelling, 810 North Second street.

Peter McDonald (O), 201 North Sixteenth street. E. R. Sabin & Co. (C), Fifty-fourth and Cedar avenue. Cost, \$420. Store and dwelling, 24 North Fifty-second street.

Wolf Rosenfeld (O), 359 Winton street. Cost, \$1,000. Store and dwelling, 2551 South Sixth street.

Quaker City Rubber Co. (O), Wissinoming, Philadelphia. Albert C. Wood (C), 820 Pennsylvania Building. Cost, \$1,000. Boiler house, Comly and Minor streets.

George Flint (O), Ridge avenue and Walnut lane. C. O. Struse (C), Walnut lane, Manayunk. Cost, \$2,000. Garage, Ridge avenue and Walnut lane.

Jane E. Brown (O), 706 South Nineteenth street. John F. Brown (C), 706 South Nineteenth street. Cost, \$500. Store and dwelling, 704 South street.

Joseph Koelle (O), 1927 South Nineteenth street. A. Krauss (C), 841 Jackson street. Cost, \$560. Store and dwelling, 1703 Snyder avenue.

John F. Betz Estate (O), 413 Callowhill street. J. W. Cornew (C), Laurel Springs, N. J. Cost, \$500. Garage, 429 York avenue.

Jacob Bender (O), 1810 South Fourth street. Cost, \$400. Dwelling, 1817 South Fourth street.

City of Philadelphia (O). Ed. Fay & Sons (C), 2 South Mole street. Cost, \$1,300. Caretaker's house, Fifty-second and Pine streets. Barrett Manufacturing Co. (O), Frankford. A. L. Carhart (C), Hale Building. Cost, \$1,000. Building, Margaret and Bermuda streets.

Edw. Miller (O), 5730 Wayne avenue. Geo. C. Fossil (C), 115 East Chelten avenue. Cost, \$500. Store and dwelling, 5730 Wayne avenue.

J. H. Bradley (O), 4900 Pulaski avenue. Alpha Eng. and Const. Co. (C), 232 Heed Building. Cost, \$350. Garage, 4900 Pulaski avenue.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scripper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

You can't achieve anything worth while, whether it's peddling pills or discovering uncharted rivers, without advertising. If Columbus hadn't gone back and kicked up a racket about it, nobody in the Old World would have known yet that he had discovered anything.

One secret that has been fairly well kept is the secret of success. Strange, too, when so many people are anxious to tell about it.

The prosperous, the great, the wise,
You may have noticed, advertise!

Alterations and Additions

H. King (O), 52 North Sixtieth street. Cost, \$4,500. Store and dwelling, Fifty-seventh and Vine streets.

D. Kerr (O), 527 Wharton street. Cost, \$355. Store and dwelling, 3522 Frankford avenue.

Dr. Lambert Ott (O), 831 North Broad street. W. L. Roberts (C), 228 North Sixteenth street. Cost, \$600. Dwelling, 1339 Parrish street.

Julius Lipkin (O), Thirty-ninth and Penns-grove streets. H. Wilson (C), 727 Reed street. Cost, \$1,000. Bakery, Thirty-ninth and Popular streets.

Philadelphia Steel and Forge Co. (O), Milnor and Bleigh streets. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$10,000. Shop, Milnor and Bleigh sts. Brick and steel, 50x108 feet.

William Anthony (O), 1921 Webster street. C. N. Kooker (C), 508 West Lehigh avenue. Cost, \$500. Dwelling, 1024 South Dorrance street.

C. M. Strohman (O), 2724 North Fifth street. Cost, \$650. Garage, 1516 Ruscomb street.

Mrs. A. W. Coney (O), Kensington avenue and Adams street. Zeigenfus (C), 3809 North Seventh street. Cost, \$4,300. Saloon, Kensington avenue and Adams street.

M. H. Papajam (O), 5425 Norford street. J. D. Fisher (C), 6718 Market street. Cost, \$375. Store and dwelling, 217 South Fifty-second street.

Charles Weber (O), 2114 East York street. L. M. Jackson (O), 1711 North Tenth street. Cost, \$350. Shed, 2121 East Arizona avenue.

B. Brososky (O), 3430 Market street. A. Marshosky (O), 543 North Seventh street. Cost, \$600. Store and dwelling, 3430 Market street.

W. Tomczesewski (O), 2560 East Westmoreland street. A. Suminski (C), 1634 Ruffner

street. Cost, \$370. Dwelling, 2558 Westmoreland street.

Edwin H. Fittler Co. (O), Tacony and Langer streets. Charles A. Collier (C), 1370 Gillingham street. Cost, \$2,500. Boiler house, Tacony and Langer streets.

Samuel Foides (O), 1804 Frankford avenue. H. Yacknitz (C), 1202 North Seventh street. Cost, \$360. Laundry, Blair and Montgomery avenue.

William Schonebeck (O), 940 North War-nock street. Philadelphia Bill Posting Co. (C), 814 Walnut street. Cost, \$500. Sign, 1521 North Hutchinson street.

J. A. Balbins (O), northeast corner Broad and Arch streets. Charles L. Hill (C), 715 South American street. Cost, \$500. Dwelling, 122 North Sixteenth street.

Charles Affico (O), 339 North Fifty-sixth street. William C. Magee (C), 5548 Haverford avenue. Cost, \$550. Dwelling, 339 North Fifty-sixth street.

Joseph Deamfers (O), 6533 Stiles street. Thomas F. Devine (C), 6936 Haverford avenue. Cost, \$825. Store and dwelling, 6334 Haverford avenue.

Crain Pump and Lumber Co. (O), 4550 Tacony street. Cost, \$500. Storage shed, 4550 Tacony street.

Pennsylvania Hospital (O), Eighth and Spruce streets. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Cost, \$4,900. Nurses' Home, Ninth and Spruce streets.

J. A. Block (O), 922 South Eighteenth street. Daniel F. Carlin (C), 1721 Bainbridge street. Cost, \$400. Dwelling, 2127 Montrose street.

Alex. Knoble (O), 3101 North Twenty-sixth street. Edward Rieben (C), 2632 West Cumberland street. Cost, \$370. Store, 3101 North Twenty-sixth street.

Albert Stott (O), 714 North Twentieth st. C. T. Moore (C), 633 North Twentieth street.

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY
OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., DECEMBER 15, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clifton Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Boyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran, St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. OF A.

President. Horace Wells Sellers
First Vice-President. J. P. B. Sinkler
Second Vice-President. Milton B. Medary, Jr.
Secretary. Edward A. Crane
Recorder. Arthur I. Meigs
Treasurer. Edmund C. Evans
Executive Committee—Elliston P. Bissell,
Charles Z. Klauder, Walter H. Thomas.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

Mr. Frederick W. Dodge, president of the F. W. Dodge Company, died on November 10th at his home, No. 601 West 110th street, Manhattan. Mr. Dodge was widely known and universally respected among architects, builders and building material men as the founder and active head of the F. W. Dodge Company, as the publisher of the "Architectural Record," "The New York Real Estate Record and Builders' Guide" and "Sweet's Catalogue."

Mr. Dodge was from Melrose, Massachusetts, and was laid away to rest at Newton, in his home State.

He was an important factor in the architectural and building field and one whose influence was at all times exercised in the furtherance of exalted ideals in ethics and the advancement of the arts as well as to clean and wholesome codes of conduct in the purely commercial phases of realty and building.

Mr. Dodge was a man of lovable personality, was considerate of those about him, charitable to those in need, held in the highest regard by his friends and associates and will leave a gap in the field of publishing in so far as is related to architecture and to building that will not easily be filled.

* * *

In a recent number of "The Artisan" appears a few questions addressed to the man who feels that the house he is working for is lacking in appreciation of his services. It is headed, "Would You Give Yourself a Job?" and is a pretty good thing for a man to keep within easy reach if he has the prevailing habit of over-rating his importance.

"If you applied to yourself for a job," runs the catechism, "would you get it?"

"Think it over."

"Just be 'boss' for a few minutes—then check up your record for the past month as an employee.

"Remember now, it's your money meeting the payroll.

"Have you, as an employee, filled your hours with productive conscientious labor, or have you been too busy watching the clock?"

"Have you produced enough in that month to make you a profitable investment?"

"Have you put your shoulder to the wheel—forgotten petty differences and difficulties—or have you put sand in the bearings?"

"Have you asked questions and improved—or have you been too wise to learn?"

"Have you analyzed what you are doing, and why, or used instinct instead of reason, and got an indifferent and methodless result?"

"Have you allowed your mind to become poisoned with anger, worry or envy, and by so doing contaminated and reduced the efficiency of others?"

"Have you gone through the month, a vision of pay day the oasis in your desert of

work? And have you let this vision shut out from view all else in the day's work that would build you to a size where you would give yourself a job?"

"Or have you been heart and soul in the work—on the job every minute with a breadth of vision that made of the desert of work an oasis of opportunity?"

"Check up. Be truthful. Would you give yourself a job?"

* * *

In your own case, would you give yourself a job?

* * *

"Saw Dust" is the title of another thought-compelling little item from the pages of "The American Carpenter and Builder." It relates chiefly to the importance of having the right kind of tools and of keeping them in the pink of condition. It is addressed, of course, to the mechanic.

"The workman who is most dependent on efficient tools, is most independent," says "Saw Dust."

"For the best work, get the tool that is an 'isser,' not a 'has been.'"

"The owner of the right tool works less and earns more.

"In figuring the worth of a superior tool, don't forget the time it saves.

"The tool that enables you to earn more is worth its cost.

"Tools that save the minutes and muscles of the user, mint the most money.

"Like breeds like. Good tools make good workmen.

"The Pennsylvania Railroad recently replaced a hundred locomotives with others that did more work. Neither can YOU afford to use an out-of-date tool or machine.

"Every hour you use a poor tool you add to its cost.

"It is dangerous to hang your reputation for good work on the services of a poor tool.

"Good temper in his tool keeps good temper in the user.

"Beware of tools whose only merit is a reputation.

"An inefficient tool may cost less, but you pay more every time you use it.

"The workman is known by his tools. What reputation do yours give you?"

"Don't look for sweetness in the garbage can, nor quality in the junk shop."

* * *

Theodore Starrett is still continuing his frank, homely and immensely entertaining talks on building conditions in the pages of "Architecture and Building." His most recent talk he calls "The Frog that Had Nervous Prostration." And this is how he handles it:

"What a lot of things I have been talking about! Walking delegates, the man that passed the plate, the good medicine-taker, the

lawyer who had such mighty influence that every case was supposed to be decided in his favor in advance by simply retaining him. And last month I was telling about the way the law had taken up the case of the working man and made the employer responsible for everything he does—even to making good for all the workman's mistakes, all his sloppy work, all the things he leaves undone or improperly done, as if it weren't enough to have the workman's pay in the envelope every Saturday noon.

"And some of the things touched upon were to be continued in our next, and here we go and talk about something else and forget everything that was said last month or the month before or the month before that.

"Well, maybe they'll be continued and maybe not. They are the boards and lumber that are being piled up around the site of the house. Later they will be sawed and fitted and nailed in place.

"The question is, what shall the builder do to be saved? Somebody is taking care of the workman. If you don't believe this look up the Employers' Liability law in any progressive State of the Union.

"There are two other sets of people that have to do with building, the architects and the owners, and I for one say, let them take care of themselves.

"I'm for the jolly builders, the great competitors. I don't believe there's any such word in the dictionary, but you'll know what I mean, those who compete.

"Last month I spoke of a certain frog that inadvertently jumped into a spring or well whose sides were so high that it seemed to be impossible for him to jump out. I told of his exhaustion with vain efforts and how a snake peering casually over the edge of the well gave the frog the necessary energy for the seeming impossible leap; and that's why I said 'seem.'

"How many times has a contractor hard pressed for work—for whatever the reason—undertaken contracts at what seemed to be impossible prices?

"But, I want to say a few more words about the frog. I said last month that his life was saved. So it was, but he was a changed frog from that day. Nervous prostration is what human doctors call it. Nervous prostration claimed him, and he never jumped again the way he had on that famous occasion.

"Thenceforth he was a frog with a record; like McGregor. Did you ever hear of McGregor? Well, I can't stop to tell you. It's another story anyhow as Dudyard Kipling used to say so many, many times. The frog that made that awful leap ruined his constitution thereby, and never went near a well again as long as he lived.

"There's such a thing as too much of a good thing. That frog got too much, and a lot of builders are getting too much.

"The question that comes to the mind of anyone stopping to think about the subject seriously is, why do they do it?

"Being human they do it. They're all

like the fellow that said he'd try anything once. But why do they keep on doing it?

"Ah, there's the rub!

"I wonder if some architect coaxes them. I have known cases of the sort. A noted architect whom I have already taken the preliminary step to immortalize on these pages gained a great reputation as a 'contractor-buster' a decade or so ago by calling in ambitious frogs—I mean contractors—and figuring out their estimates with them (and for them) and showing them how this was too high and 'you can get that for so much'—hundreds and hundreds of dollars less—resulting in inducing the frog—I mean the contractor—to undertake a seeming snap only to find out that it was the other kind of a thing. I have heard of frogs—I mean builders—induced to take some fearful leaps, but that was in the days when the game was young and there were not so many ambitious builders as there are now.

"Nowadays, as I said not long ago, all you have to do if you're an architect or an owner or a general contractor of credit is to set the job up where the contractors can see it and they'll dash themselves to pieces against it like insects around an arc lamp on a summer night.

"And some say you don't have to set the job up where they can see it; no, you may hide it, keep it under lock and key, use your utmost ingenuity to restrict the bidding to the most select few; and yet the contractors will come hounding you, will bombard you with influence. You'll find that this director in your father-in-law's bank is in turn father-in-law to some ambitious builder who wants an opportunity to bid.

"No matter how carefully you guard your secret, in these piping times of war, a hundred unknowns with influence behind them will storm your office for a chance to figure and a chance to lose."

* * *

And they do lose, and lose heavily, as men in touch with the building game know. The amazing thing is that with the example of innumerable failures, directly the outcome of the competitive bidding evil, staring them in the face, there still remains a never-ending supply of wise alecks who feel that despite precedent and probability they will be slick enough to beat the cards.

They don't beat them, of course. If they did Theodore Starrett wouldn't be half so interesting.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

NEW EDITION HENDRICKS COMMERCIAL REGISTER.

The annual edition of Hendricks' Commercial Register for Buyers and Sellers has recently come off the press. The new edition has been thoroughly revised, name for name, from cover to cover. All the deadwood has been eliminated and much useful information has been added.

Complete lists of manufacturers and buyers in all branches of business are listed. All buyers and sellers should have a copy, as it will be mighty useful at all times. More than 350,000 names are listed under about 45,000 classifications with regard to the various types of business engaged in. Special attention is paid to the products used in contracting, electrical, hardware, iron, mechanical, mill, mining, quarrying, railroad and kindred trades.

The entire register has been reset in new type and the indexing is most complete, so that no difficulty is encountered in finding any classification desired. The lists furnished are even more reliable than formerly. The binding is of leather.

The S. E. Hendricks Company, Inc., are the sole proprietors of this register and are located at 2 West Thirteenth street, New York City. They will be glad to furnish further details of the Buyers' and Sellers' Register to those who are interested. Purchasing agents and sales managers will find this invaluable.

RECENT TRADE LITERATURE.

The Warren-Knight Company, 136 North Twelfth street, Philadelphia, Pa., has just issued a highly interesting combination booklet and price list entitled "Facts Concerning 'Sterling' Transits and Levels." "Our aim in designing and developing the various models comprising our line of 'Sterling' Transits and Levels," says the prefatory note to the booklet, "has been to produce instruments of unquestioned accuracy, possessing strength and stability, compactness and simplicity of construction, and in workmanship and finish unexcelled.

"The reception accorded our 1915 models has been very gratifying. Our original idea was simply to eclipse all previous efforts—and we succeeded, for since placing them on the market the demand has been steadily increasing, taxing to its utmost the productive capacity of our factory.

"Owing to the many advantages characteristic of our products, 'Sterling' instruments are selected by discriminating engineers and engineering corporations and are also to be found in use in United States, State and Municipal Government Departments. The fact that they are giving satisfactory service is evidenced by the many expressions of appreciation and repeat orders received.

"With the assurance that the 'Sterling' superiority will be thereby established, we invite the closest examination and comparison both in the office and field with similar priced instruments of other makes.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



"In this pamphlet will be found reproductions and brief descriptions of several of our latest models, and as for every branch of the profession we have a type of instrument specially adapted, we solicit the correspondence of all who may be in any way interested in our products."

Copies of the booklet will be mailed on request to readers of "The Guide." To anyone interested in the subject of transits, levels, and in fact engineering equipment generally, the booklet will prove a valuable guide and reference. A copy of it should be in the hands of every engineer in the East.

SOME NEW IDEAS.

A Stairway that Saves Floor Space:

Every practical architect and builder is interested in ways and means for saving every possible square foot of floor space. The Bessler Movable Stairway was designed to help this idea. At first it was intended only for use in homes between the second floor and the attic. It was on the market but a short time, however, when it became evident that it was a valuable acquisition, not only to the humble six-room home, but in hospitals, schools, steamships, yachts, and one is even installed in a \$200,000 mansion; this latter installation is in Akron, Ohio.

When not in use, the stairway is—with the assistance of a spring barrel and a very simple system of counterbalance—swung up into the ceiling with only a neat panel visible. When wanted, a light pull on a chain provided for this purpose, brings it down, and the stair-horse is easily rolled down the panel and on to the floor. A child can operate it.

The cost of the stairway is surprisingly low; and as for installation, one hour is sufficient

in a new structure prepared for the stairway, and three to four hours is ample in an old building where the ceiling must first be prepared.

It is manufactured by the Bessler Movable Stairway Company, Akron, Ohio.

* * *

The Spiral Fire Escape:

The best kind of a fire escape for getting people out of burning buildings is one that cannot be clogged in any way. The Kirker-Bender Spiral Fire Escape is constructed in this way. There is no possibility of anyone falling and stopping the exit of the others.

It consists of a spiral slide enclosed in a steel cylinder 6 feet in diameter. The cylinder rests on a foundation of brick or concrete and the slide delivers each person to the ground so that he lights on his feet in the same way as if he had just gotten up from a chair.

The entrances to the escape are on runways from the various floors. The entrance doors open inward and the exit door at the bottom opens outward. A very light pressure will open the doors.

Full descriptions of the spiral fire escape and the results obtained with it can be secured from the Dow Wire and Iron Works, Louisville, Ky., who are the makers of this apparatus.

* * *

Want to Build a Clock?

Men who have made a success of the winter work problem should be glad to look into other propositions that will help them to increase this winter business. The Clock Company, 1655 Ruffner street, Philadelphia, Pa., are interested in the men who have made good on their winter work. They have a proposition to offer to carpenters and builders

that they believe will help them to a large extent in this particular work.

They handle works for all kinds of clocks and furnish blueprints so that fine looking clocks can be built. They will also furnish the more complicated parts of the case or the entire case in knock down form if a man's shop facilities are not able to handle this work. By this arrangement anyone—amateur or skilled workman—can build these clocks.

They ask the opportunity of showing our readers the possibilities of this field. Full particulars will be sent out on request. The making of fancy pieces of furniture such as this should prove an attractive side line to a lot of our readers. There is always a market for work of this kind if it is done in the right way. The plans will help an energetic man to do this.

* * *

Asbestos Flooring:

There has been introduced in Canada a new type of composition flooring that promises to have an important application in public schools generally and in specialty buildings where sanitation and fire resisting features are essentials. Besides possessing these virtues it is elastic and is easy on the feet. It is made of asbestos.

The remarkable feature about this type of floor is that it can be laid over wooden floor boards. It can be set with vari-colored segments in such a way as to indicate avenues of passage in crowded corridors, thereby carrying out some of the new traffic direction marks placed by the police at street intersections and entrances to bridges. It can be so marked as to give routes to nearest fire exits. The life of this floor is said to be remarkably long considering its elasticity. It has the added advantage of being capable of withstanding castor marks.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**In addition to the Coliseum, the First Infantry Armory will be used for the exhibits of the cement show at Chicago. This provides 22,000 square feet of space in addition to the exhibit space of former years. The exhibition will be held from February 12th to 19th, 1916. Twenty-six cement companies are to participate in a \$10,000 exhibit of concrete products. All duplication of exhibits will be eliminated and the joint exhibit will set forth the possibilities of concrete in such a manner as to give the visitor a broad knowledge of the uses of cement. In connection with the exhibit the Second National Conference on Concrete Road Building will be a feature. Of

interest to architects will be that portion of the exhibit showing the surface treatment of concrete in building construction such as bush hammering, acid treating, brushing with water and other methods of surface treating. So far one hundred and fifty firms have indicated their intention to exhibit.

**Henry P. Kirby died in New York City on Saturday, November 6th, at the age of 62 years. He was born in Seneca Falls, New York, and received his early education in that town, later pursuing the study of architecture in the Ecole des Beaux Arts in Paris. He was associated in business for twenty-five years with the late George B. Post, later be-

coming the senior member of the firm of Kirby, Petit & Green, and at the time of his death he was an active partner in the firm of Kirby & Petit, with offices at 103 Park avenue. Mr. Kirby was known as an authority on Gothic architecture and has a reputation as a designer, lecturer and author in this subject. He spent much time abroad, having a home on the Island of Capri, but while in America he made his home in South Orange, N. J.

***The National Fire Protection Association** has been instrumental in having prepared a moving picture film entitled the "Fire Demon." This moving picture is the greatest educational force that has ever been available in the movement of fire prevention. The film is approximately 1,000 feet in length and will last twenty minutes. It costs \$225.

Also the association has recently issued a small placard with the following legend:

A FIRE

In this plant may put every man out of work.

Guard the property against fire, and protect YOUR JOB.

NO SMOKING.

These placards are printed in black on red cardboard, 7x9 inches, and may be obtained from the association at five cents each. While primarily intended for use in manufacturing buildings, the value of such notices in buildings under construction is obvious. With a slight change in the wording, the notice might be made more applicable to a building under construction with an added warning against accumulating rubbish piles. Enterprising builders might take advantage of this scheme as an efficiently up-to-date idea.

****The activities of the Municipal Art Society** of New York in the decoration of the city's High Schools, a field which they have made their own for a number of years, are entertainingly presented in the October Bulletin of the Society. The story of what the Municipal Art Society has done and is doing is both interesting and impressive, for we find that since 1907 this organization has been the directing spirit, and a frequent donor, in this important work, so full of possibilities in stimulating the sense of form, of color and of dramatic action of the children at their most impressive age.

The Society's initial gift to the Morris High School of decorations by Edwin W. Deming was later followed by their assuming the decoration of the Washington Irving High School in its entirety, an enterprise which has attracted wide attention and is progressing along lines which make it a credit to the city as well as to the society. The decoration of the entrance hall with a series of mural paintings by Barry Faulkner, rendered possible through the gift of Mrs. E. H. Harman, is in an advanced stage of progress, and an over-mantle by Miss Frances Grimes has already been installed. The decoration of the great staircase hall with suitable panels is also under way, the gift of the society, and a prize design by Robert K. Ryland for the decoration of the auditorium awaits the com-

pletion of arrangements to secure a fund for its installation.

Discussing the work of other agencies along these lines, the Bulletin describes the paintings by Mr. Frederick Lincoln Stoddard which the General Organization of the Eastern Dis-

trict High School of Brooklyn have installed in that school, the prize competitions of the Society of Beaux-Arts Architects, and the mural painting class conducted by Dr. Henry E. Fritz at the New York Evening Industrial High School.

THE HOUSE THAT WILL NOT BURN

One thing the man of to-day rightly expects of a house—that it shall be safe—that it shall be proof against fire. Simple consistency demands so much. And in these days of modern fireproof material for building, there is no excuse for the neglect of this vital requirement—no good and sound reason that can be urged against building every home firesafe.

For the rest, a man demands that his house shall be sanitary; that it shall be comfortable; that it shall be pleasing in appearance; that it shall be permanent; and that it shall be economical in up-keep.

He demands these things, but he does not always get them. Every professional designer of homes, every professional builder of homes knows this. And thousands of home owners know it to their sorrow.

Let us consider a few significant facts:

The overwhelming majority of American homes are of frame construction.

The depreciation on a frame dwelling is three times that of a cement, concrete or any other non-inflammable material.

Our annual fire loss is two hundred and fifty millions of dollars, one-half of which would be saved by the use of non-combustible materials. Our per capita loss is three times that of France, five times that of England, twelve times that of Germany.

In those countries there is practically no frame construction to be found. Here in America we have homes to burn.

Most startling of all, more than fifteen hundred lives are lost annually through fires—a terrible sacrifice to tinder-box construction.

Yesterday we built houses with the material at hand—timber; to-day we are building permanent homes of steel, of concrete and other non-combustible material.

We are building for to-morrow, homes that are safe against decay, proof against fire. It is a matter of obligation to every architect, every contractor, to know the available materials and to master the approved methods so that he and his client may take a personal pride in the result.

The man who builds himself a home knows he must fight fire and decay when he builds, not after. This house he builds is his big investment—his bid for a standing in the community—his home.

With no wood or flimsy material to burn, the fire hazard is nil. Fire cannot start except in the furniture or hangings, and it cannot spread. Flames rising to the ceiling cannot break through to the floors above. The fireproof partitions and walls check and

confine the blaze effectively. The fire control is automatic—absolute.

The fireproof house is of double value, for a house well constructed is not only safe so far as fire is concerned, but is warm in the winter and cool in the summer. The air space in walls is a wonderful insulation against changing temperature. It is a house easy to keep at a uniform temperature—an important feature, but of first consideration if there are children in the house.

The man who builds his house fire-safe possesses a home that will remain for his children, and for their children and for generations beyond.

And the fact that he is building for permanence so broadens his ideas that the architect is given wider scope and freer rein in his work.

The first cost of the fireproof house is little more than the old-time tinder-box construction, but the last cost is actually less. Repairs are obviously lessened, the very principle of construction being sound and wear-resisting. All the unceasing petty repairs that the frame house demands—broken gutters, loose siding, interior cracks, uneven floors, etc., are avoided.

The heavy cost of repainting is eliminated. Cement and concrete homes grow mellow with age; they do not demand a new outside finish every so often. Reshingling, an expensive item when required, is done away with. Depreciation, the permanent exhaustion of values, is slight. Heating expense is minimized. Insurance rates are comparatively insignificant. In short, the up-keep of the fireproof house is so low that it more than overbalances the slightly greater first cost.

The old argument for frame construction on account of cheapness is no longer of any force. This modern fireproof dwelling is not only the best, but it is the least expensive in the long run.

Mr. Maurice M. Sloan in "The Concrete House and Its Construction," says: "The fundamental rule of all good architectural design is that the appearance of the building shall express the structural capabilities of the materials of which it is composed. The great main divisions of architectural history are marked either by the adoption of new materials or by improved methods of using the old ones. But as all transitions in architectural styles are slow and gradual, elements of previous architectural design still appear in the newer styles. So it is that the columnar halls of the Egyptian temple take their proportions and construction from the rock tem-

ples carved in the mountain side, where gigantic pillars were left to support the roof of the vault, as in modern mine workings.

"The Greeks, following the precedent of the Egyptians, built with the stone column and superimposed lintels until the Romans developed the arch, and learned that great spans could be made by supporting an arch ring of stones under heavy buttresses. It remained, however, for those masters of Gothic architecture, the mediaevalists, to produce a new architecture by balancing arch thrust with arch thrust, and supporting the whole gigantic, and, withal, light and wonderful structure, upon isolated piers, the beauty of which has never been surpassed." Americans are now making designs for concrete houses as suitable for homes as the Gothic is for temples.—"The Craftsman."

BUSINESS CHANGES.

McCambridge Company announce the purchase of the entire business of the McCambridge-Cooper Company and the continuation with greater facilities of the manufacture of high grade plumbing fixtures for residences, hotels, public buildings and marine use.

The name McCambridge has stood for highest quality in plumbing fixtures since the year 1850, a reputation earned as a result of 65 years of expert knowledge and skill in the manufacture of brass sanitary specialties of distinctive merit.

The McCambridge Company will be pleased to welcome you as their guest to visit their display rooms, factory and offices at 315 to 321 North Twentieth street, Philadelphia, opposite the new Parkway.

ARCHITECTS' LAWS PROVED BENEFICIAL.

"The California Board of Architecture has just published its fifth annual report," says the "A. I. A. Journal," "which affords an interesting commentary upon some phases of the profession. The board has found, in the majority of cases, that parties engaged in illegal practice, when notified of their offense, will endeavor either to comply with the law by applying for examination or by abandoning illegal methods of advertising, and that the minority, either by evasion or defiance of the law, will continue to practice. Which shows, does it not, that the law tends to raise the level of constructional ability, and gives notice to the public that an architect has special expert functions to fulfill quite aside from that of design?"

"That this is all the law should do is clearly the opinion of the California Board, which says in its report:

"Architects should not desire a law which would tend to interfere with owners or contractors, and prevent them from proceeding in any manner which they may see fit, or restrict either of them in the operations to which they have hitherto been accustomed; but architects should feel that it is essential

for the public to know that an architect is a person of special training, performing duties which cannot be very well performed by any other person, and that the certificate of a State board is reasonable evidence that the holder of such a certificate at least has the knowledge and training necessary to execute satisfactory work. To this end this board is devoting its best endeavors, so that the public and the profession may, in time, recognize that the certificate of the California State Board of Architecture is of value; that it is not to be regarded lightly, and is as much a benefit to the public as it is to the architectural profession."

"We believe that even those who are opposed to laws admitting architects to practice will uphold the attitude of the California board. Is it not true that the merits of the whole question rest upon the degree of protection secured to the public? No decent architect would advocate a law to protect the profession at the expense of the public, but the report of the California board does seem to indicate that a law is necessary to protect the public from the incompetent practitioner who seizes upon the title of architect just as he would seize upon anything else which promised to help him make money."

BOOKS RECEIVED.

The new 24th edition of Hendricks' Commercial Register for Buyers and Sellers contains all of the commendable qualities associated with this standard work in former years, together with some new ideas that notably improve and enlarge its usefulness. The new edition has for one thing been thoroughly revised, name for name, from cover to cover. The dead wood and useless information has been eliminated and much new and carefully verified information added, making it the same old indispensable work of reference for buyers and sellers it has been in the past. Another improvement is in its physical make-up. The entire volume has been reset in clean, new type, making it easier on the eyes and easier to scan. And then, again, it has been bound in handsome leather instead of in cloth binding as formerly.

Hendricks' Commercial Register is the same old useful volume, but generally rebuilt as to the contents and most attractively dressed up as to outer garb. The price remains unchanged: Ten dollars relivered. Published by D. E. Hendricks' Company, Inc., 2 West Thirteenth street, New York City.

If a man can make a better quality of brick than his competitors can, it is up to him to let the men who have use for bricks know that he can, and to tell them just why and how the bricks that he makes are better. If he fails to do this, he is lacking in the business sense, and he is going to fail, regardless of how good he is able to make brick. Good things have long since lost the knack, that was once theirs, of selling themselves.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 7, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 17, 1916, for the construction complete of the United States post office at Hackensack, N. J. Two-story and basement building; ground area, 8,200 square feet; fireproof throughout; stone facing; composition and copper roof. Drawings and specifications may be obtained from the custodian of the site at Hackensack, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 10, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 21, 1916, for the construction complete of the United States post office at Waterloo, N. Y. Two-story and basement building, 4,000 square feet ground area; fireproof construction (except roof), brick facing, with stone and terra cotta trimmings on stone base; composition roof. Drawings and specifications may be obtained from the custodian of site at Waterloo, N. Y., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 8, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 19, 1916, for the construction complete (including mechanical equipment and approaches) of a one-story part basement and mezzanine, stone and brick-faced building of 5,584 square feet ground area, fireproof construction, composition roof, for the United States post office at Hornell, N. Y. Drawings and specifications may be obtained from the custodian at Hornell, N. Y., or at this office, at the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted.

The chap who bags the glittering prize
Is the fellow who learns to advertise.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co., Bourse Bldg., Phila.
 John B. Rulon, 1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins, 125 S. 11th st., Phila.
 Warren-Knight Co., 136 N. 12th st., Phila.
 F. Weber & Co., 1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham, Builders' Exchange, Phila.
- Brick Arches and Angles.**
 R. B. Wible & Son, 11th and Ontario sts., Phila.
- Brick Renovating.**
 Adolph Christensen, 1433 Brown st., Phila.
 John Gallatig, 447 W. Dauphin st., Phila.
- Blue Prints.**
 Chas. H. Robbins, 125 S. 11th st., Phila.
 F. Weber & Co., 1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins, 125 S. 11th st., Phila.
- Builders.**
 James P. Farrell & Co., 1619 Sansom st., Phila.
 Graham-Campion Co., Heed Bldg., Phila.
 Mitchell Bros., 2125 Race st., Phila.
 Pomeroy Const. Co., 1609 Ranstead st., Phila.
 Russell and Keffler,
 Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden, Franklin Bank Bldg., Phila.
 W. E. Wark Co., 1737 Filbert st., Phila.
- Cement.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
 Knickerbocker Lime Co., 266 N. 24th st., Phila.
- Cement Colors.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Concrete Mixers.**
 Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Contractors' Equipment.**
 Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Dampproofing.**
 The Aquabar Co., Real Estate Trust Bldg., Phila.
 Barrett Mfg. Co., N. Y. City and Phila.
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- Door Hangers.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
 Richards-Wilecox Mfg. Co., 50 N. 6th st., Phila.
- Drawing Materials.**
 Charles H. Robbins, 125 S. 11th st., Phila.
 Warren-Knight Co., 136 N. 12th st., Phila.
 F. Weber & Co., 1125 Chestnut st., Phila.
- Electrical Specialties.**
 Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Electrical Construction.**
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.
- Engineers' Supplies.**
 Charles H. Robbins, 125 S. 11th st., Phila.
 Warren-Knight Co., 136 N. 12th st., Phila.
 F. Weber & Co., 1125 Chestnut st., Phila.
- Fences.**
 Anchor Post Iron Works,
 Real Estate Trust Bldg., Phila.
- Fireproofing.**
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- Flooring.**
 Currie & Campbell Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Floor Renovating.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Finishes.**
 R. O. Scheel, 9 S. 18th st., Phila.
- Floor Laying.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Planing.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floors and Floor Finishing.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Furnaces.**
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
 Borden Stove Co., 118 N. 2d st., Phila.
 Henry M. Miller, 46-48-50 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
 United Gas Improvement Co.,
 Broad and Arch sts., Phila.
- Granite.**
 Holmesburg Granite Co., Fidelity Bldg., Phila.
- Hardwood Floors.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Heating Contractors.**
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.
- Heating (Vapor).**
 T. S. Johnson Sons Co., 622 Cherry st., Phila.
- Vapor Heating Co.,**
 York, Pa., and North American Bldg., Phila.
- Heating Boilers.**
 H. B. Smith, 1225 Arch st., Phila.
- Iron Work (Structural and Ornamental).**
 James G. Madden, Franklin Bank Bldg., Phila.
 W. E. Wark & Co., 1737 Filbert st., Phila.
- Lumber.**
 Currie & Campbell, Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Howard Ketcham, 3d and Girard ave., Phila.**
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
- Metal Lath.**
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- N. J. Wire Cloth Co.,**
 Trenton, N. J., and 627 Market st., Phila.
- Marble Mosaic.**
 Belf Bros. & Co., 20-22 S. 19th st., Phila.
- Mill Supplies.**
 The Fairbanks Co., 7th and Arch sts., Phila.
- Mill Work.**
 O. M. Weber Co., North Wales, Pa.
- Mortar Colors.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Overhead Carrying Systems.**
 Richards-Wilecox Mfg. Co., 50 N. 6th st., Phila.
- Paints and Varnishes.**
 Felton, Sibley & Co., 136 N. 4th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Pipe Fittings and Valves.**
 The Fairbanks Co., 7th and Arch sts., Phila.
- Preservatives (Wood and Concrete).**
 Barrett Mfg. Co., N. Y. City and Phila.
 F. E. Sagendorph, 131 S. 24th st., Phila.
- Radiators.**
 H. B. Smith Co., 1225 Arch st., Phila.
- Ranges.**
 Borden Stove Co., 118 N. 2d st., Phila.
 Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Refrigerators.**
 Borden Stove Co., 118 N. 2d st., Phila.
 Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Roofing.**
 Barrett Mfg. Co., N. Y. City and Phila.
 Brinkmann Bros., 2615 Frankford ave., Phila.
 T. S. Johnson Sons Co., 622 Cherry st., Phila.
- Roofing Slate.**
 C. F. Shellenberger, Builders' Exchange, Phila.
- Roofing Tile.**
 C. F. Shellenberger, Builders' Exchange, Phila.
 O. W. Ketcham, Builders' Exchange, Phila.
- Scales.**
 The Fairbanks Co., 7th and Arch sts., Phila.
- Sanitary Flooring.**
 Leather Flooring Co.,
 Glen Rock, Pa., & Land Title Bldg., Phila.
 Philadelphia Mineral Flooring Co.,
 5632 Summer st., Phila.
- Sewer Pipe and Flue Linings.**
 C. F. Shellenberger, Builders' Exchange, Phila.
- Sash Pulleys.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
- Soundings.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
- Ridpath & Potter Co., Bourse Bldg., Phila.**
 John B. Rulon, 1355 Colwyn st., Phila.
- Stair Work.**
 O. M. Weber Co., North Wales, Pa.
- Structural Engineer.**
 Harry C. Eisenbise Co., Penna. Bldg., Phila.
- Switchboards.**
 Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Terra Cotta (Architectural).**
 O. W. Ketcham, Builders' Exchange, Phila.
- Test Borings.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
- Ridpath & Potter Co., Bourse Bldg., Phila.**
 John B. Rulon, 1355 Colwyn st., Phila.
- Tile and Terrazza Work.**
 Belf Bros. & Co., 20-22 S. 19th st., Phila.
- Wall Board.**
 Cell Board.
- The Philip Carey Co., 13th & Hamilton sts., Phila.**
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
- "Compo."**
 Howard Ketcham, 3d and Girard ave., Phila.
- "Utility."**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Waterproofing.**
 The Aquabar Co., Real Estate Trust Bldg., Phila.
 Barrett Mfg. Co., N. Y. City and Phila.
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- Standard Paint Co., 100 William st., N. Y. City.**
Weather Strip (Metal).
 Diamond Flexible Metal Weather Strip Co.,
 Geo. R. C. Johnston, Drexel Bldg., Phila.
 S. B. MacDowell & Son,
 1927 Montgomery ave., Phila.
- Window Screens.**
 S. B. MacDowell & Son,
 1927 Montgomery ave., Phila.
- Wire Work.**
 N. J. Wire Cloth Co.,
 Trenton, N. J., and 627 Market st., Phila.
 Audubon Wire Cloth Co., Inc., Audubon, N. J.



IMPERVITE

A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit. Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.

Woolworth Bldg.,
Peoples Gas Bldg.,
Beacon Building,

NEW YORK
CHICAGO
BOSTON

Let us estimate on your work
Alterations, New Construction, Repairs

RUSSELL & KEFFER
Carpenters and Builders

Commercial Trust Building, Philadelphia, Pa.

Prompt and Efficient Service. Low Cost

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998



KNICKERBOCKER LIME COMPANY
MANUFACTURERS OF

Wood Burnt LIME



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND
GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention **THE BUILDERS' GUIDE.**

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 51.

PHILADELPHIA, WEDNESDAY, DECEMBER 22, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S



HIGHEST STANDARD

SAMUEL H. FRENCH & CO.

Established 1844

York Avenue, Fourth and Callowhill Streets

PHILADELPHIA

TELEPHONES—Bell, Market 1924 Keystone, Main 1221

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF
COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent

LUMBER YARDS

Third and Girard Avenue, Philadelphia



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates. Lawn Fences. Tennis-Courts, Follies and Kennel-Yard Enclosures. Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

Anchor Post Iron Works

W. S. SLACK, Manager
Real Estate Trust Bldg., Phila.

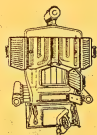


Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The **PIERCE-SCHMIDT CO. Inc.**
BULLETIN BUILDING, PHILA., PA.

—MILLS—



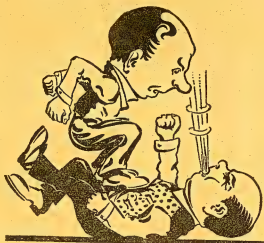
"Guarantee"

We stand back of our Boiler.

They will do everything we claim for them.

Send for information.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

**Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile**

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.
Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS
Shops, Rochester, Pa.

District Representative

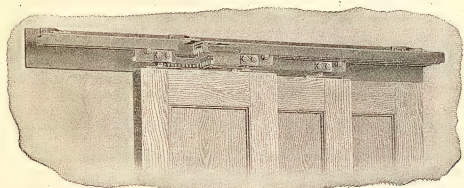
JAMES G. MADDEN

1011 Franklin Bank Building

Bell Phone, Walnut 4344
Keystone Phone, Race 2718

Philadelphia, Pa.

IDEAL Elevator Hanger



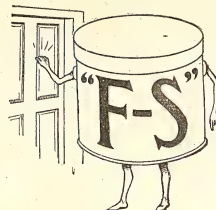
**IDEAL in Name and Action
"And Made in U. S. A."**

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



**Opportunity knocks at
your door through "F-S"
Products.**

They say that Opportunity knocks but once to every man, but you can secure good results every day with our Imperial Spar Varnish. It is light, clear and of medium body; *dries without dust in 8 hours*; does not turn white; is unaffected by heat and moisture, and is durable indoors and out.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(120)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

GOLD MEDAL AWARDED BERLIN STEGLITZ
Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars. Etc., wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

**Has your work ever been held
up on account of slow delivery
of BRICKS?**

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

**Complete line of Clay Products
including Face Bricks, Hard Bricks,
Sewer Bricks, Flue Linings, Sewer
Pipe, Roofing and Floor Tile.**

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller
GLENWOOD COMBINATION
COAL and GAS RANGES
 Crown Furnaces and Globe Ranges
 Seamless Porcelain Lined Refrigerators
 46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C.F. SHELLENBERGER

303 Builders' Exchange
 Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages? Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
 CAMDEN, N. J.
 1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

ALTERATIONS

:

JOBGING

Bell, Spruce 4419

Keystone, Race 3210

"SPHINX" DIRECT PROCESS BLACK PRINT PAPER

WATER BATH ONLY

Only paper of its kind made in America. Quicker printing than the imported and positively black lines. Will keep for a long time. Will print in the electric machine.

In 10 and 50 yard rolls, thin medium and thick

Printed samples on request. Directions for printing accompany each roll. Made only by



F. WEBER & CO., Manufacturers, Importers

Drawing Materials, Engineering Supplies

MAIN HOUSE AND FACTORY: PHILADELPHIA

Branches: St. Louis, Mo., Baltimore, Md.

W. E. WARK CO.

1737 Filbert Street
 Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
 STEEL TOWERS
 ORNAMENTAL IRON
 WORK
 CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 51.

PHILADELPHIA, WEDNESDAY, DECEMBER 22, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store Building, 426 and 428 Market street, Philadelphia. Architect, Charles E. Oelschlag, Harrison Building, Philadelphia. Owner's name withheld. Brick and terra cotta, 2 stories, 33x113 feet, slag roof, steam heating, electric lighting, maple floors, elevator, tile work, metal lath. Architect has received bids.

Church (alts.), Seventh street, below Girard avenue, Philadelphia. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owners, Second Baptist Church, Rev. E. W. Powell, 3819 North Sixteenth street, Philadelphia. Consists of interior alterations, metal lath, waterproofing. Architect has received bids.

Department Store, 833-85 Market street, Philadelphia, \$100,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Blauers, Inc., 833 Market street, Philadelphia. Brick, marble and terra cotta and steel, 4 stories, 43x200 feet, asphalt roof, vapor vacuum heating, electric lighting, maple floors, tile, marble and mosaic work, kalamain doors, metal sash, iron stairs, metal lath, waterproofing. Architects have received bids.

Store Building (alt. and add.), northeast corner of Seventeenth and Sansom streets. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Harrison E. Morse, 135 South Fifteenth street, Philadelphia. Brick, 3 stories, consists of remodeling residence into store building, steam heating, electric lighting. Plans in progress.

Garage and Service Building, 329 to 335 South Broad street. Architect, Carl P. Berger, 1416 South Penn Square. Owners, Pennsylvania Taximeter Cab Co., J. T. Kinsley, general manager, 1407 Locust street, Philadelphia. Concrete, brick and steel, 10 stories, 67x150 feet, slag roof, steam heating, electric lighting, steel sash. Plans in progress. Architect will take bids about January 1st.

Chemical Factory (alts.), Thirty-seventh and Morris streets, Philadelphia. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Nitrogenous Chemical Co., West End Trust Building, Philadelphia. Consists of general alterations. Engineers have received bids.

Factory (alt. and add.), Second and Glen-

wood avenue, Philadelphia. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Schaum & Uhlinger, Inc., on premises. Brick, 4 stories, slag roof, steam heating, electric lighting, fire doors. Builders, Wm. Steele & Sons Co., 1600 Arch street, are taking sub-bids.

Factory (add.), Eighteenth and Courtland streets, Philadelphia. Architects, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Friedberger-Aaron Manufacturing Co., on premises. Reinforced concrete and brick, 3 stories, 72x94 feet, asbestos roof, steel sash, metal weather strips, reinforcing bars, steel rolling doors, fire doors (heating and electric work reserved). Owners have taken bids.

Store Building (alts.), 505 Market street, Philadelphia. Architects, Denby & Nute, 333 Fourth avenue, New York City. Owner's name withheld. Consists of general alterations, new bulk windows, etc. A Raymond Raff, 1635 Thompson street, Philadelphia, is figuring.

Elevated, Frankford, Philadelphia. Engineers, Department of City Transit, Bourse Building, Philadelphia. Owners, City of Philadelphia, A. M. Taylor, Director, Bourse Building, Philadelphia. Consists of steel superstructure for elevated railway on Frankford avenue, from Unity street to Dyre street. Lowest bid submitted by American Bridge Co., Widener Building, Philadelphia, \$249,000.

Residences (59), Forty-third and Lancaster avenue, Philadelphia. Architect, private plans. Owner, Martin Molony, 5900 Spruce street, Philadelphia. Brick, 2 stories, 156x63 feet, slag roof, hot water heating, combination lighting, hardwood floors. Plans in progress. Owner will take sub-bids about January 1st.

Residences (6), Tenth street and Windrim avenue, Philadelphia. Architect, private plans. Owners, Russell & Keffer, Commercial Trust Building, Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, hot water or steam heating, electric lighting, tile baths, parquetry floors. Plans in progress. Owners will take sub-bids in one week.

Residence and Garage, 225 West Nippon

street, Philadelphia. Architect, private plans. Owner, Robert E. Lamb, 1027 Wood street, Philadelphia. Brick, 2½ stories, 38x42 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

Passenger Station (alts.), Chelton avenue, Philadelphia. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Company, Broad Street Station, Philadelphia. Stone and brick, 1 story, consists of moving station to another site, new foundations and alterations and shelter sheds. Lowest bidders, Peoples Bros., Twenty-fifth and Callowhill sts., \$8,858; Eugene Tourison, Jr., 1001 Chestnut street, \$9,250.

Court Building (alts.), Twelfth and Wood streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, care of County Commissioners, Room 134 City Hall. Consists of remodeling school building for Misdemeanors Court. Brick, 3 stories, slag roof, enameled bricks, metal lath, composition floors, steel stack, iron stairs, safety treads, metal sash, fire doors, iron fence, terrazzo floors (heating, plumbing and electric work separate bids). Lowest bidders (according to plans), James P. Farrell & Co., \$28,900; lowest bidders (with alternates), Mitchell Bros., \$31,360.

Alterations for Court Rooms, Twenty-first and Race streets, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, City of Philadelphia, care of County Commissioners, Room 134, City Hall, Philadelphia. Consists of remodeling building for Municipal Court (heating, plumbing and electric work separate bids). Lowest bidders, James P. Farrell & Co., \$32,200; Mitchell Bros., \$32,889.

Bridge, Diamond street, over connecting railway, \$75,000. Engineer, George S. Webster, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Concrete and steel, girder type, 70x170 feet. Lowest bid submitted by Cantrell Constructing Co., Twenty-first and Sedgley avenue, \$60,175.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.
125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative, 371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic.



Terrazzo and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and Texture resembles Maple.

Worked $1\frac{3}{16}$ " x $2\frac{1}{4}$ " and $3\frac{1}{4}$ " face. End matched, hollow backed, and bored for secret nailing.

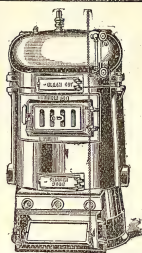
Longer lengths, better grade and will cover more floor space than any other Hardwood Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take you to inspect WACCAMAW GUM WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



The NEW Round

ADELPHIA

Hot water or Steam Boiler installed in your cellar would mean the freedom from annoyance, and the assurance of a comfortably heated home this coming winter.

Why not investigate now? A postal addressed to

BORDEN STOVE COMPANY

118-120-122 N. SECOND STREET, PHILADELPHIA, PA.

Will bring you data by mail or our representative, just as you request.

Stores and Dwellings (5), Sixteenth and Courtland streets, Philadelphia. Architect, private plans. Owner, Charles H. Eckman, 2126 North Sixteenth street, Philadelphia. Brick, 2 stories, 15x63 feet, slag roof, hot water heating, electric lighting. Owner ready for sub-bids.

Stores and Residences (3), Ninth and Anin streets, Philadelphia, \$9,000. Architect, J. E. Fieldstein, Hale Building, Philadelphia. Owners, A. Kolsky & Co., 730 South Fifth street, Philadelphia. Brick, 3 stories, slag roofs, hot air heating, electric lighting. Plans in progress. Architect will take sub-bids.

Show Rooms, Twelfth and Spring Garden streets, Philadelphia. Architects, Price & McLanahan, Bellevue Court, Philadelphia. Owners, Haines, Jones & Cadbury, 1123 Ridge avenue, Philadelphia. Consists of general alterations to present building for show rooms. Plans in progress.

Mill Buildings, Reed and Dickinson streets, Twenty-fifth and Twenty-sixth streets. Architect, F. E. Hahn, 1112 Chestnut street, Philadelphia. Owners, S. B. & B. W. Fleisher, Eighth and Chestnut streets, Philadelphia. Concrete and brick, will occupy one whole block of ground. Too early for details. Competitive plans in progress.

Service Station, Broad and Hunting Park avenue, Philadelphia. Architect, private plans. Owners, Gulf Refining Co., Morris Building, care of Scott W. Hahn, Glenside, Pa. Brick, 1 story, slag roof, cement floors, oil pump, storage system. Plans in progress.

Theatre, Germantown, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, J. Effinger, Forty-first and Lancaster avenue, Philadelphia. Brick and concrete, 1 story, 130x145 feet, slag roof, electric lighting. Plans in progress. Architect will take bids in about ten days.

Office Building (alts.), 1320 Arch street, Philadelphia. Architect, private plans. Owners, Bell Telephone Co. of Pennsylvania, on premises. Brick, terra cotta and steel, 8 stories, consists of rearranging offices, new partitions, etc., composition floors, electric lighting, plumbing. Revised plans in progress. Owners will take bids in about one week.

Residence and Garage, Lincoln Drive, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Samuel T. Hendrickson, 5102 Newhall street, Philadelphia. Stone, 2½ stories, 30x52 feet, slate

roof, hot water heating, electric lighting, tile work, hardwood floors. Architects taking bids. Thomas M. Seeds, 1207 Race street, is figuring (only bidder).

Mill Buildings, Stable (alts.) and Garage, Frankford avenue and Westmoreland street. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Thomas Wolstenholme Sons & Co., 3300 Frankford avenue. Brick, 2 and 3 stories, cement floors. Plans in progress. Too early for details.

Church, Allegheny avenue and F street, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Trinity Reformed Episcopal Church, Rev. Henry McCrea, 3229 Rorer street, Philadelphia. Stone and terra cotta, 2 stories, 80x101 feet, slag roof, metal lath, tile and marble work (heating, plumbing and electric work reserved). Architects taking bids, due December 28th. The following are figuring: F. E. Wallace, 1220 Chancellor street; A. R. Raff, 1635 Thompson street; R. C. Ballinger & Co., 218 North Thirteenth street; Henry E. Baton, Twelfth and Sansom streets; Frank G. Stewart, 1619 Sansom street, Philadelphia.

Power House, American and Somerset sts., Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Haffleigh & Co., American and Somerset streets. Brick and concrete, 1 story. Plans in progress. Too early for details.

Factory (add.), Tacony street, Philadelphia. Architect, private plans. Owners, Miller Lock Co., 4523 Tacony street, Philadelphia. Consists of machine shop, brick, 1 story, 100x200 feet; warehouse, reinforced concrete, 2½ stories, 75x250 feet, and concrete trestle, 250 feet long, slag roofs, metal sash (heating, electric work and elevators reserved). Owners taking bids, due December 23rd. Note change in date. The following are figuring: Barclay White & Co., Perry Building; H. E. Baton, Twelfth and Sansom streets; G. F. A. Havens & Co., 845 North Nineteenth street; Cramp & Co., Denckla Building; H. H. Burrell, 206 South Quine street; Harrison C. Rea Co., 1027 Wood street, Philadelphia.

Garage, 31 West School House lane, Philadelphia. Architect, private plans. Owner, George F. Stumpff, 5430 Wayne avenue, Philadelphia. Brick, 2 stories, 26x101 feet and 57x98 feet, slag roof, steam heating, elec-

ASPHALT SHINGLES

FRANK C. GILLINGHAM & SON COMPANY

PHILADELPHIA

BUILDING LUMBER

SINCE 1910 ROT AND SPLINTERING HAVE
BEEN STOPPED ON THESE FLOORS BY
SAUMS PRESERVATIVE



Houghton & Dutton Department Store
Boston, Mass.

In 1910 the old Maple and Yellow Pine floors were splintering and dry rot had started. They were treated with SAUMS PRESERVATIVE and are in good condition to-day; splintering and rot both stopped.

Another proof that "Saums has Stood the Test of Time." New floors have also been treated as insurance against these conditions.

FURNISHED, APPLIED AND GUARANTEED FOR FIVE YEARS BY
THE SAGENDORPH COMPANY, Inc.
N. E. COR. 24th and WALNUT STREETS : PHILADELPHIA, PA.

In Renovating

the interior of the CATHEDRAL of
SS. PETER and PAUL, Philadelphia

Modern Gas Light was Selected

on account of its superior daylight
quality, coupled with its economy
and artistic appearance.

It will pay you to consider this
ideal illuminant whenever you
build or renovate churches, assem-
bly halls or houses.

Get in touch with our "Build-
ers and Operators Division."

Telephones:
Bell—Filbert 2191; Keystone—Race 2690

THE UNITED
GAS IMPROVEMENT
COMPANY

THE FAIRBANKS CO.

PHILADELPHIA

VALVES AND SCALES

R. B. WIBLE & SON

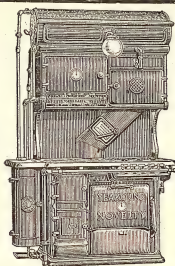
Brick Arches and Angles
Ground and Fitted

Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards
114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"NOVELTY" REMINDERS

"Yearound Novelty"

The Greatest and Most Popular Combination Coal and
Gas Range.

Absolutely Complete for the use of Both Fuels.

Four Coal Cooking Holes. Five Gas Cooking Burners.

Compact—Extreme Width (Including Gas Water Heater)
ONLY 49 INCHES.

WRITE FOR "YEAROUND" LITERATURE

Made in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE American and Dauphin Sts.

trick lighting, reinforced concrete floor in
office. Owner taking bids, due December 24th.
In addition to those previously reported, Edw.

Fay & Son, 2 South Mole street; James P.
Farrell & Co., 1619 Sansom street, Philadel-
phia, is figuring.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Convention Hall (alts.), Broad and Alle-
gheny avenue, \$5,000. Architect, Philip S.
Tyre, 1509 Arch street, Philadelphia. Owners,
Philadelphia Auto Trade Association, Broad
and Calowhill streets. Consists of fitting up
Hall for Automobile Show (electric work and
decorating reserved). Contract awarded to A.
Raymond Raff, 1635 Thompson street.

Garage, Front and Dauphin streets, Phila-
delphia. Architect, H. B. Weldon, 1606 Cher-
ry street, Philadelphia. Owner, A. A. Frankel,
Front and Dauphin streets, Philadelphia.
Lessee, A. C. Keeley, 2215 North Front street,
Philadelphia. Brick, 1 story, 40x100 feet, slag
roof, electric lighting, cement floors (plumb-
ing and heating and galoine tank and storage
system separate bids). Contract awarded to
Smith-Hardican Co., 1606 Cherry street, Phila-
delphia.

Pile Factory Buildings, Tacony, Philadel-
phia. Architect, private plans. Owners, Henry
Diston & Sons, Inc., Tacony, Philadelphia.
Consists of three 1-story, brick and steel build-
ings. Annealing and pickling building, 50x366
feet; forge shop, 50x360 feet, and toilet build-
ing, 22x13 feet, slag roofs (heating and elec-
tric work reserved). Contract awarded to F.
W. Van Loon, Denckla Building, Philadelphia.

Pier Superstructure, McKean street, Phila-
delphia, \$548,000. Engineers, Department of
Wharves, Docks and Ferries, Bourse Build-
ing, Philadelphia. Owners, City of Philadel-
phia, John Meigs, Director, Bourse Building.
Brick, steel, terra cotta and concrete, fire-
proof, double deck, 900x250 feet, slag roof,
waterproofing, expanded metal, steel sash,
safety treads, proposal bond. Contracts
awarded to Snare & Triest, 40 South Wharves,
Philadelphia.

Ice House and Storage Shed, Darien street
and Washington avenue. Architects, Ballin-
ger & Perrot, Seventeenth and Arch streets,
Philadelphia. Owners, American Ice Co.,
Sixth and Arch streets, Philadelphia. Con-

sists of general repairs to roof, new supports,
etc. Contract awarded to Philip Haibach Con-
tracting Co., Twenty-sixth and Thompson
streets, Philadelphia.

Residence, Lincoln Drive, Philadelphia.
Architects, Van Voorhees & Harvey, Hale
Building, Philadelphia. Owner, Samuel Knock-
son, care of architect. Stone, 2½ stories, slate
roof, hot water heating, hardwood floors, elec-
tric lighting, tile work. Contract awarded to
I. T. Shoemaker, 1309 Walnut street, Phila-
delphia.

Machine Shop and Offices, Twenty-third and
Ontario streets, Philadelphia, \$6,500. Archi-
tect, private plans. Owners, Tioga Machine
Co., 2027 Estangh street, Philadelphia. Brick,
1 story, 116x157x105 feet, slag roof (hot
water heating and electric work reserved).
Contract awarded to Burd P. Evans & Co.,
Thirteenth and Wallace streets.

Stores and Dwellings, 263-5 South Eleventh
street, Philadelphia, \$1,500. Architect, pri-
vate plans. Owner, J. H. Brinton, 709 Wal-
nut street, Philadelphia. Consists of general
alterations and additions. Contract awarded
to Burd P. Evans & Co., Thirteenth and Wal-
lace streets.

Coal Yard Reconstruction, Emerald street,
Philadelphia, \$76,130. Engineer, Samuel T.
Wagner, Reading Terminal, Philadelphia.
Owners, Philadelphia & Reading Railway Co.,
Reading Terminal. Consists of concrete walls,
trestles, alterations and additions to stable
and offices, slag roofing, steam heating, electric
lighting, dampproofing and waterproofing, re-
inforcing bars. Contract awarded to C. P.
Bower, Roberts street and Wayne avenue,
Philadelphia.

Chemical Factory, Thirty-seventh and Mor-
ris streets, Philadelphia. Architects, Day &
Zimmerman, 611 Chestnut street, Philadel-
phia. Owners, Nitrogenous Chemical Co.,
West End Trust Building, Philadelphia. Con-

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
SUPERSEDES PLASTER FOR
WALLS
AND CEILINGS

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1482 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK
Main Office, Trenton, N. J.OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.**BUILDING CONSTRUCTION**

1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work*



**Does Your
Roof Leak?**

Tin and Slag

Roofing

**HEATERS
RANGES
CORNICES
SKYLIGHTS**

BRINKMANN BROS.

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

**WELLS DRILLED**

Test Borings
Ask for Prices
JOHN B. RULON
1355 Colwyn Street
Philadelphia, Pa.

The prosperous, the great, the wise,
You may have noticed, advertise!

sists of rebuilding of buildings and new additions. Brick and concrete, 1 story, conveying machinery. Contract awarded to James C. Driscoll, 1524 Chestnut street, Philadelphia.

PENNSYLVANIA**Construction News**

Residence, near Mendenhall, Pa., \$35,000. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner, Philip F. du Pont, Merion, Pa. Stone, 2½ stories, 114x25 feet; wing, 23x45 feet, green slate roof, tile work, oak floors, vacuum cleaning system (heating and electric work reserved). Architect taking bids, due December 23rd. The following are figuring: Pomeroy Construction Co., 1609 Ranstead street; Melody & Keating, Bailey Building, Philadelphia; and John E. Healy & Son, 707 Tatnall street; James M. Smyth, 2406 West Sixteenth street; Harry P. Carlson, 2430 West Eighteenth street, Wilmington, Del.

Residence, St. Martins, Philadelphia, \$15,000. Architect, Robert Rhodes McGovern, 34 South Sixteenth street, Philadelphia. Owner, Robert J. Coleman, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 67x45 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architect has received bids.

Residence, Springfield, Pa., \$5,500. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, Albert W. Wilson, 1320 South Wilton street, Philadelphia. Stone, 2½ stories, 26x40 feet; wing, 10x26 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in about two weeks.

Church, West Chester, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, Methodist Episcopal Church of West Chester, J. L. King, chairman Building Committee, West Chester, Pa. Granite, 1 story, 90x116 feet, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about three weeks.

Residence, Cresmont, Pa. Architect, Oliver Randolph Parry, 1731 Chestnut street, Philadelphia. Owner's name withheld. Stone, 2½ stories, 32x48 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architect will take bids in a few days.

Residence, Bryn Mawr, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Lyle G. Park, care of architect. Brick and frame, 2 stories, 26x50 feet, shingle roof, hot water heating, electric light-

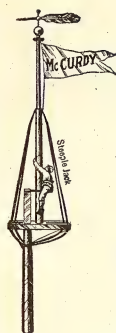
ing. Architect taking bids, due December 24th. The following are figuring: Eugene Tourison, 1001 Chestnut street, and S. Bannett & Son, Drexel Building, Philadelphia; W. Harry Roberts, Ardmore, Pa.; Charles C. Pace, Merion, Pa., and Philip H. Davis, Bryn Mawr, Pa.

High School, Lehigh, Pa., \$80,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, care of G. F. Rehrig, secretary, Lehigh, Pa. Brick and stone or marble, 2 stories, 120x130 feet, slate or tile roof, metal lath, dampproofing, concrete floors (warm air heating, electric lighting and plumbing separate bids). Owners taking bids, due December 29th. The following are figuring: Beard Const. Co., Reading, Pa.; Andrew Breslin, Summit Hill, Pa.; Haupt & Reutz, Wyomissing, Pa.; Mitchell Const. Co., Brooklyn, N. Y.; Henry L. Brown, 1714 Sansom street, and Cramp & Co., Denckla Building, both of Philadelphia; W. H. Gange-were Co., Allentown, Pa.; J. F. Bamhardt Co., Harrisburg, Pa.; William H. Wiant, Pottstown, Pa.; Butz & Clader, Allentown, Pa.

Institution Buildings, Spring City, Pa., \$200,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Eastern Pennsylvania State Institution for Feeble Minded and Insane, care of Henry F. Walton, Real Estate Trust Building, Philadelphia. Consists of four 2-story buildings, two dormitories, infirmary, administration building and connecting corridors. Brick, stone and terra cotta, slate and slag roofs, metal lath, waterproofing, enameled bricks, metal weather strips, marble and terrazzo floors, iron stairs, safety treads (heating, plumbing and electric work separate bids). Owners taking bids, due December 30th at 10.30 A. M. The following are figuring: Doyle & Co., 1519 Sansom street; W. W. Anstine & Co., 1218 Filbert street; Ketcham & McQuade, 1029 Brown street; Frank G. Stewart, 1619 Sansom street; Fidelity Construction Co., Heed Building; P. J. Hurley, 1233 Cherry street; George & Borst, 277 South Eleventh street; Melody & Keating, Bailey Building, Philadelphia; F. H. Keiser & Co., Pottstown, Pa.; J. P. Brennenman, Lancaster, Pa.; Mitchell Bros., 2125 Race street; William R. Dougherty, 1610 Sansom street;

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building
Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

THE AQUABAR CO.

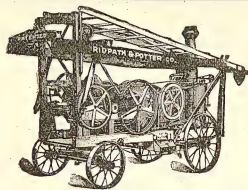
Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
- PHILADELPHIA. PA.



Thomas Reilly, 1616 Thompson street; Henry L. Brown, 1714 Sansom street; Metzger & Fisher, Denckla Building, Philadelphia, and Connors Bros., New York City.

Residences (6), Eighteenth street, Reading, Pa., \$6,600. Architect, private plans. Owners, Diener, Endy & Fisher, Reading, Pa. Brick, 2 stories, 50x26 feet, slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Residences (3), Birch and Green streets, Reading, Pa., \$6,600. Architect, private plans.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

Owners, Behu & Henne, Reading, Pa. Brick, 2 stories, 23x50 feet, slag roof, hot air heating, gas lighting. Owners taking sub-bids on all lines.

Cigar Factory, Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, T. J. Dunn & Co., 438 East Ninety-first street, New York City. Lessees, Dauphin Cigar Co., Harrisburg, Pa. Reinforced concrete and brick, 6 stories, 164x82 feet, composition roof, steel sash, waterproofing, iron stairs (heating, plumbing and electric work separate bids). Architect taking bids, due December 27th. The following are figuring: Frank G. Stewart, 1619 Sansom street; Roydhouse-Arey Co., Fidelity Building; Barclay White & Co., Perry Building, all of Philadelphia.

Bungalows (2), Elkins Park, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, M. G. Paul, 135 South Fifth street, Philadelphia. Hollow tile, plaster and frame, 1½ stories, 45x25 feet and 40x30 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architects taking sub-bids.

Residence, Bryn Mawr, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Lyle G. Park, care of architect. Brick and frame, 2 stories, 26x30 feet, shingle roof, hot water heating, electric lighting. Plans about completed. Architect will take bids in a few days.

Residence and Garage, Merion, Pa. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 23x75 feet, tile or slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will be ready for bids in a few days.

Club House (alt. and add.), South Lawndale, Pa. Architects, Zantzing, Borie & Medary, Fifteenth and Walnut streets. Owners, Curtis Publishing Co., Seventh and Walnut streets, Philadelphia. Stone and plaster, 2½ stories, 50x200 feet, shingle roof, steam heating, electric lighting. Architects taking bids, due December 20th. The following are figuring: Doyle & Co., 1519 Sansom street, and H. H. Burrell, 206 South Quince street, Philadelphia.

Residence, Garage and Gardener's Cottage, Rydal, Pa., \$30,000. Architects, Dubring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. Henry C. Diamond, Rydal, Pa. Stone (whitewashed), 2½ stories. Residence, 100x30 feet, tile work, hardwood floors (heating, plumbing and electric work reserved). Architects taking bids, due December 28th. The following are figuring: George & Borst, 277 South Eleventh street; R. C. Ballinger &

Co., 218 North Thirteenth street; J. B. Flounders, 1329 Arch street; A. L. Fretz & Sons, 1229 Chancellor street; H. E. Gran Co., 1709 Sansom street, all of Philadelphia, and W. John Stevens, Wyncote, Pa.

Service Building and Alt. to Old Building, South Bethlehem, Pa. Architect, private plans. Owners, Lehigh Coke Company, South Bethlehem, Pa. Concrete, steel and brick, 120x50 feet, American centile roof, new plumbing. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Residence (alt. and add.), Brownsburg, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, J. du Bois Pette, Brownsburg, Pa. Stone, 2½ stories, consists of general alterations (interior). Architect taking bids, due December 31st. The following are figuring: Frank Heston, Churchville, Pa.; John Ramsay, Ivyland, Pa.; Walter Smith, Newtown Square, Pa.; John La Rue, Wrightsville, Pa.

Residence, St. Davids, Pa., \$10,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, W. L. Moorhouse, Ambler, Pa. Stone, 2½ stories, slate roof, hot water heating, hardwood floors, tile work, electric lighting. Plans about completed. Architects will take bids about January 1st.

Residence, Crestmont, Pa. Architect, Oliver Randolph Parry, 1731 Chestnut street, Philadelphia. Owners, Anna A. and Michael F. Dalton, Crestmont, Pa. Stone, 2½ stories, 32x48 feet, tile roof, tile work, hardwood floors (heating, plumbing and electric work separate bids). Architects taking bids, due December 36th. The following are figuring: Thomas Reilly, 1616 Thompson street; Frank G. Stewart, 1619 Sansom street; F. B. Davis, 240 North Sixteenth street; Elfreth & Wood, 1708 Sansom street; Thomas C. Trafford, 1613 Sansom street; Specht & Sperry, Heed Building; James P. Farrell, 1621 Sansom street, all of Philadelphia; C. M. Hill, Roslyn, Pa.; Michael E. Hauser, Glenside, Pa.; A. Thompson, Glenside, Pa.

SOME MORE ADVERTISING "DON'T'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

R. O. SCHEEL, PRESIDENT

FLOORS

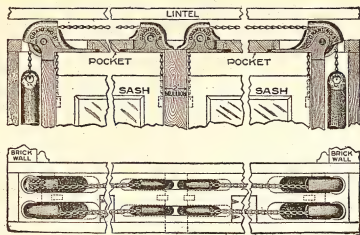
PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

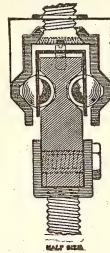
H. H. S. OGDEN, SECRETARY



Grant Pulleys for Twin Windows

The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

Write
for
Catalogue
and
Discounts



THE DIAMOND TUBULAR BALL-BEARING DOOR HANGERS

This Hanger requires less space than other hangers.

Is easily installed and quickly adjusted. Dirt or dust cannot lodge in the track.

GRANT PULLEY & HARDWARE CO.

3 W. 29th STREET, NEW YORK CITY

Philadelphia Office, Land Title Building.

NEW JERSEY Construction News

Laboratory Buildings. Princeton, N. J. Architects, Coolidge & Shattuck, Ames Building, Boston, Mass. Owners, Rockefeller Institute for Medical Research, Avenue A and Sixty-sixth street, New York City. Hollow tile and plaster, 1 and 2 stories, consists of laboratory building, 143x37 feet; isolation building, 234x26 feet; dog kennels, 100x22 feet; operating building, 235x26 feet; power house, laundry and garage, tile and asbestos shingle roofs, reinforcing bars, safety treads, waterproofing, metal lath, kalamein doors, metal lath, metal trim, metal sash, metal weather strips, terrazzo and marble work, tile work, metal lockers (heating and electric work reserved. Architects have received bids.

Machine Shop. Elizabethport, N. J. Architects, Ring, Cleaves & Graham, Elizabethport, N. J. Owners, Samuel Moore & Sons Co., Elizabethport, N. J. Brick, 3 stories, 250x160 feet, slag roof, wood block floors (heating, plumbing and electric work reserved). Architects taking bids, due December 22nd. F. A.

Havens & Co., 845 North Nineteenth street, Philadelphia, are figuring.

Residence. Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Dr. Marvin A. Street, 300 Broadway, Camden, N. J. Frame, 2½ stories, 25x65 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in about two weeks.

School Building (alt. and add.), Montclair, N. J. Architects, Starrett & Van Cleave, 8 West Fortieth street, New York City. Owners, Board of Education, Montclair, N. J. Brick, concrete and steel, 2 stories, slag roof, metal lath, waterproofing, composition flooring, tile work, reinforcing bars, iron stairs, kalamein doors (heating, plumbing and electric work separate bids). Owners taking revised bids, due December 28th. James P. Farrell & Co., 1169 Sansom street, Philadelphia, are figuring.

NEW JERSEY Contracts Awarded

Residence. Moorestown, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, Walter S. Lippincott, Stanwick, N. J. Frame, 2½ stories, 35x34 feet, shingle roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to George W. Shaner, Palmyra, N. J.

Residence (alts.), Beverly, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Stanley Haines, Beverly, N. J. Consists of general alterations and new hot air heating system. Contract awarded to Garrett B. Logan, Beverly, N. J.

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.

622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG.
YORK, PA.

Miscellaneous Construction News

Permits for New Buildings

Theatre, Store and Office Building, Detroit, Mich. Architect, C. Howard Crane, Detroit, Mich. Owners, Ferry Field Theatre Co., Detroit, Mich. Reinforced concrete and terra cotta, 100x162 feet, tile roof, steam heating, electric lighting, metal lath. Architect taking bids, due December 23rd. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Church Building, Detroit, Mich. Architects, Smith, Hinchman & Grylls, 710 Washington Arcade, Detroit. Owners, the First Church of Christ Scientists, Detroit, Mich. Reinforced concrete and steel, 2 stories, 147x120 feet, asbestos roof, metal lath (plumbing, heating and lighting reserved). Architects taking bids, due December 20th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Court House, Greenville, S. C. Architect, P. Thornton Marye, Atlanta, Ga. Owners, Greenville County Commissioners, Greenville, S. C. Brick, granite, terra cotta and steel, fireproof, 8 stories, 129x50 feet, composition roof, electric lighting, elevators, steam heating, tile, terrazzo and marble work, metal lath, iron stairs, waterproofing. Owners taking bids, due January 3rd. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Passenger Shed, Indianapolis, Ind. Architects, Price & McLanahan, Bellevue Court, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, steel and concrete, 1,000 feet long, over 12 tracks. Plans in progress.

Dairy Building, Wilmington, Del., \$50,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Clover Dairy Co., Wilmington, Del. Reinforced concrete, brick and steel, 2 stories, 68x45 feet, concrete roof, steam heating, electric lighting, metal

sash, metal lath, waterproofing and damp-proofing, refrigerating plant, conveying machinery. Plans in progress.

Apartment House, Wilmington, Del., \$30,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner's name withheld. Brick, 3 stories, 40x80 feet, slag and tile roof, vapor or steam heating, electric lighting, hardwood and composition floors, tile work, metal lath, dumb waiters. Plans in progress.

Bank Building, Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Brick, granite and terra cotta, 2 stories, 30x67 feet, metal roof, steam heating, electric lighting, tile work, composition flooring, metal lath, dampproofing, bank fixtures. Plans in progress.

Residence, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Washington Ralston, Wilmington, Del. Brick, 2½ stories, 26x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Hunter Grubb, 1106 Jackson street, Wilmington, Del. Brick, hollow tile and stucco, 3 stories, 58x47 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work, metal lath. Plans completed. Architects ready for bids.

Garage, Wilmington, Del., \$20,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owner, Dr. Stephen McKee, Ninth and French streets, Wilmington. Brick and steel, 3 stories, 46x152 feet, slag roof, steam heating, electric lighting, gasoline tank and storage system. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Frank Hardart (O.), 102 South Tenth street. Stuckert & Co. (C.), 1420 Chestnut street. Cost, \$16,000. Stores, brick and terra cotta, 2 stories, 39x120 feet, 1638 Market street.

Charles H. Eckman (O.), 2126 North Tenth street. Cost, \$15,000. Five stores and dwellings, stone and brick, 2 stories, 15x63 feet, Courtland and Sydenham streets.

John J. Hurley & Co. (O.), 503 East Monastery avenue. Cost, \$4,500. Two dwellings, stone and brick, 2 stories, 16x39 feet, Apple and Wendover streets.

Vincenzo Rosica (O.), 4400 Leiper street. Cost, \$1,200. Dwelling, stone and brick, 2 stories, 22x19 feet, Unity and Leiper streets.

Miller Lock Co. (O.), Tacony, Philadelphia. Cost, \$2,500. Factory foundation, brick, 100x195 feet, Tacony and Melrose streets.

Pennsylvania Sugar Co. (O.), 1037 North Delaware avenue. O'Meara Const. Co. (C.), 253 South Quince street. Cost, \$40,000. Boiler house, 2 stories, 34x50 feet, 1037 North Delaware avenue.

Mittelman & Robin (O.), 2432 South Seventh street. Cost, \$42,800. Eighteen dwellings, brick, 2 stories, 15x40 feet, Memphis and Cambria streets.

Dr. George Woodward (O.), North American Building. Pringle Borthwick (C.), 8018 Germantown avenue. Cost, \$10,000. Dwelling, stone and shingles, 76x25 feet, Lincoln Drive and Willow Grove avenue.

Burton C. Simon (O.), 2200 South Nineteenth street. Harry V. Williams (C.), 2334 South Twentieth street. Cost, \$120,800. Eighty-two dwellings and stores and one garage, brick, 2 stories, 14x35 feet, Twenty-fourth and Moore streets.

Tacony M. E. Churn (O.), Longshore and Hageman streets. Burd P. Evans & Co. (C.), Thirteenth and Wallace streets. Cost, \$2,200. Sunday School building, stone, 1 story, 93x61 feet, Longshore and Hageman streets.

Public Bath Association (O.), 720 Wood street. Frank E. Wallace (C.), 1220 Chancellor street. Cost, \$17,000. Brick, 2 stories, 23x49 feet, 720 Wood street.

Charles Krigin (O.), 2352 North Second street. Jacob Gaertner (C.), 2214 North Third street. Cost, \$3,250. Shop, stone and brick, 2 stories, 40x53 feet, 2375-70 Phillips street.

W. O. Mahan (O.), 4817 York road. Cost, \$19,200. Four dwellings, brick, 2 stories, 16x62 feet, Broad street and Sixty-seventh avenue.

William C. Runge (O.), 6354 Germantown avenue. George A. Boyd (O.), 211 East Willow Grove avenue. Cost, \$2,925. Two stores, stone and brick, 1 story, 16x35 feet, 5513-15 North Fifth street.

George Stephen (O.), 1032 Rising Sun lane. Frank M. Hale (O.), 1332 Airdrie street. Cost, \$3,750. Dwelling, brick, 2 stories, 20x53 feet, Cottman and Oxford streets.

Alterations and Additions

The Salvation Army (O.), 120 West Fourteenth street, New York City. F. L. Hoover & Sons Co. (C.), 1023 Cherry street. Cost, \$25,000. Chapel, stable and dormitory, 1234 Parrish street.

Pennsylvania Railroad Co. (O.), Broad street Station. Cost, \$520. Baggage room and ticket office. Chelton and Morris streets.

Pennsylvania Flexible Metallic Tubing Co. (O.), Seventy-second and Powers lane. Frank Hall (C.), 7124 Greenway avenue. Cost, \$3,000. Galvanizing building, Seventy-second and Suffolk streets.

Morgenthaler Bros. (O.), Second and Jackson streets. Koelle Speth & Co. (O.), Twenty-

MARYLAND

Construction News

Residence, Liberty Heights avenue, Baltimore, Md., \$3,500. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owners, Liberty Heights Building Co., Baltimore, Md. Frame, 2½ stories, 28x38 feet, slate roof, hardwood floors (hot water or vapor heating reserved). Plans in progress.

Residences (50), Reisterstown road, Baltimore, Md. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore. Owners, The Standard Concrete Steel Co., 41 Knickerbocker Building, Baltimore. Brick, 2 stories,

15x55 feet, slag roof, steam heating, gas and electric lighting. Owners will take sub-bids.

Residence, Greenway near Windover road, Guilford, Md., \$35,000. Architect, Edw. L. Palmer, 408 Roland avenue, Roland Park, Md. Owner, C. B. Dallan, Roland Park, Md. Brick, 3 stories, 106x45 feet, slate roof, hardwood floors, hot water heating, combination lighting. L. S. Owings, Mt. Washington, Md., has submitted lowest bid and will be awarded contract.

MARYLAND

Contracts Awarded

Residence, Charles street, near Thirty-second street, Baltimore, Md. Architect, O. B. Wright, 1122 Munsey Building, Baltimore, Md. Owner, Mrs. Sarah R. Owens, Baltimore, Md. Brick, 3 stories, composition roof, hardwood floors, steam heating, electric lighting. Contract awarded to C. W. Littleton & Son, 4313 Liberty Heights avenue, Baltimore, Md.

Residence, Springdale avenue, near Division street, Baltimore, \$6,000. Architect, John R. Forsythe, 232 St. Paul street, Baltimore, Md. Owner, A. M. Beazley, Baltimore, Md. Frame, 2½ stories, 28x35 feet, slate roof, hardwood floors and trimmings, steam heating, electric lighting. Contract awarded to C. W. Littleton & Son, 4313 Liberty Heights avenue, Baltimore, Md.

sixth and Oxford streets. Cost, \$2,500. Boiler house, Phillips and Jackson streets.

Louis Bros. (O), 1952 North Front street. Jacob Gaertner (C), 2214 North Third street. Cost, \$450. Store and dwelling, 3022 Ridge avenue.

A. Antonuzzi (O), 2043 Indiana avenue. George Ciavero (C), 3042 North Twenty-first street. Cost, \$600. Store and dwelling, 2043 Indiana avenue.

S. Mengolia (O), Forty-eighth and Parkside avenue. Sol. Shestack (C), 322 Dickinson street. Cost, \$400. Coal pockets, Forty-eighth and Parkside avenue.

T. B. Schenkel (O), Cedar and Wheatheaf lane. Cunningham & Bartholomew (C), 4326 Paul street. Cost, \$900. Dwelling, Wheatheaf lane and Thompson street.

Ridge Publishing Co. (O), Sixth and Chestnut streets. Doyle & Co. (C), 1519 Sansom street. Cost, \$1,000. Printing house, Sixth and Chestnut streets.

L. Dannenbaum & Co. (O), 809 Arch street. Smith Hardican Co. (C), 160 6Cherry street. Cost, \$1,800. Stores, 930 Market street.

Lit Bros. (O), Eighth and Market streets. P. M. Sax (C), Heed Building. Cost, \$800. Store, Eighth and Market streets.

John Cardella (O), 4979 Thompson street. J. Marziani (C), 4952 Lancaster avenue. Cost, \$500. Stable, 4985 Thompson street.

Harry C. Davis (O), 319 Tasker street. J. B. Emery (C), 1803 South Fifteenth street. Cost, \$475. Dwelling, 331 Tasker street.

P. T. Turco (O), 921 South Ninth street. A. Puntello (C), 838 Christian street. Cost, \$1,300. Store and dwelling, Ninth and Montrose streets.

Pennsylvania Railroad Co. (O), Broad Street Station. Cost, \$1,600. Tool house, Pennsylvania Railroad and Thirty-third street.

W. T. Gabell (C), 3206 Ridge avenue. S. B. MacDowell & Sons (C), 1927 Montgomery avenue. Cost, \$500. Garage, 3209 Ridge avenue.

Morganthaler Bros. (O), Second and Snyder avenue. Alphons Cuspidis Chimney Co. (C), Pennsylvania Building. Cost, \$2,000. Smoke stack, Phillips and Jackson streets.

American Ice Co. (O), Sixth and Arch sts. P. Haiback Contracting Co. (C), Twenty-sixth and Thompson streets. Cost, \$2,800. Storage, Darien and Washington avenue.

John Donahue (O), 3047 Frankford avenue. J. P. Crowe (C), 3127 Belgrade street. Cost, \$600. Lodge rooms, 3055 Frankford avenue.

Board of Education (O), Land Title Building. E. Clifford Durrell (C), 1713 North Twenty-fourth street. Cost, \$2,650. School, Oakland and Faust streets.

Neptune Laundry Co. (O), Fifteenth and Columbia avenue. Concrete Const. Co. (C), 2009 Market street. Cost, \$500. Garage, Park avenue andolumbia avenue.

Eastern Paving Co. (O), Fifty-eighth and Grays avenue. M. J. Welsh (C), 7000 Woodland avenue. Cost, \$500. Storage building, Fifty-eighth and Grays avenue.

Germantown Tool Works (O), Second and Ashland streets. D. W. O'Dea (C), 5319 North Fifth street. Cost, \$400. Tool works, Second and Ashland streets.

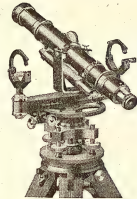
Mrs. Maderia (O), 1522 Pine street. Chas. Gilpin (C), Harrison Building. Cost, \$1,000. Dwelling, 1522 Pine street.

University Settlement (O), Twenty-sixth and Lombard streets. Armstrong & Latta (C), Land Title Building. Cost, \$350. Storage building, Twenty-sixth and Lombard streets.

Adolph Bowman, 4910 York road. G. F. Reich (C), 1112 Loudon street. Cost, \$1,500. Store, 4910 York road.

Philadelphia Steel and Forge Co. (O), Milnor and Bleigh streets. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$2,000. Machine shop, Milnor and Bleigh streets.

Harry Crooks (O), 5465 Thomas avenue. William Stoffer (C), 1237 North Eleventh



THE UP-TO-DATE BUILDER

The progressive, successful man who is satisfied with nothing short of the very best—the most efficient—equipment, recognizes the exclusive advantages of

"Sterling" Transits and Levels

It will pay you to investigate—to find out why they are invariably selected. Write, phone or call for free copy of "Facts" (just issued), illustrating our latest models.

We repair
Transits
Levels
Tapes

Designed and Made by
WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

PHILADELPHIA

Rebuilds
Instruments
For Sale
or Rent

street. Cost, \$350. Bakery and dwelling, 5465 Thomas avenue.

J. H. Brinton (O), 709 Walnut street. B. P. Evans (O), Thirteenth and Wallace streets. Cost, \$1,500. Store and dwelling, 263 South Eleventh street.

R. C. Winters (O), 3305 North Fifteenth street. F. B. Davis (C), Thirteenth and Nedro streets. Cost, \$1,200. Dwelling, 6512 Elwood avenue.

Edward Schoettle Co., Eleventh and Brandywine streets (O). John Decker & Sons (C), 2704 Girard avenue. Cost, \$550. Manufacturing building, Eleventh and Brandywine streets.

Texas Co. (O), Morris Building. C. E. Lloyd, Jr. (C), Oak Lane. Cost, \$1,200. Offices, Tenth and Cheltenham.

Charles M. Withcomb (O), Penrose Ferry and Island road. Cost, \$3,000. Cow barn, Penrose Ferry and Island road.

David Petz (O), Jasper and Wensley sts. Otto Maltz & Sons (C), 2198 North Lawrence street. Cost, \$700. Bakery and dwelling, Jasper and Wensley.

M. Bruce Ford (O), 25 East Summit street. P. Borthwick (C), 8015 Germantown avenue. Cost, \$1,200. Dwelling, 25 East Summit street.

Masbaum Bros. & Fleischer (O), South Penn Square. Basch & Co. (C), 1426 South Front street. Cost, \$400. Store, 1904 Market street.

William H. Stehle (O), 1507 Dauphin street. John N. Sites, Jr. (C), 2918 Fletcher street. Cost, \$1,600. Auto repairs shop, 1509 Dauphin street.

J. Williams (O), Sedgley and Dauphin sts. John J. Sites, Jr. (C), 2918 Fletcher street. Cost, \$500. Offices, Sedgley and Dauphin streets.

Fred McOWens (O), 5871 Drexel road. M. W. Young (C), Overbrook. Cost, \$600. Garage, 5871 Drexel road.

City of Philadelphia (O). A. R. Raff (C), 1635 Thompson street. Cost, \$4,000. Convention Hall, Broad and Allegheny avenue.

Midvale Steel Co. (O), Nicetown. Barclay White Co. (C), Perry Building. Cost, \$65,000. Factory, Wissahickon and Hunting Park avenue.

ART AND THE AMERICAN PUBLIC

How They Can Get Together For Their Mutual Benefit

Whistler once said, "There never was an artistic age, there never was an artistic people." But America—his own country—has disproved that, has it not? We have more galleries, more exhibitions, more prizes, more patrons, more encouragement, more painters, than any other country had before the war—but art is not confined to paint, though some modern painters would like to make the public think so, and do their best to prove it. There are sculptors who have commissions for years ahead, so numerous, I am told, are these commissions; architects who are working night and day to change the face and the skyline of the country and the cities; illustrators not a few of whom prove by their work that they are perfectly familiar with the technique of all their fellows, and who turn out so much that I scarce see how they have the time.

Dealers in New York crowd and postle each other, and there is not a little city anywhere without an art shop. All over this broad land there are growing up the most valuable and interesting or curious collections and collectors.

There is hardly a town without its art gallery, society or club, while the whole affair is governed, directed and managed by a cen-

tral authority. Even the cities tax themselves for the support of art, artists and art galleries. Art education has been given a place in schools and colleges. Traveling and perambulating lecturers and docents explain and point out that which might be obscure to the unwary, and even babes—at least they would be babes anywhere else—vote on the merits of their favorites.

Murals are seen on the walls of every public building and many of the private houses one goes to. We are all arteristics, and so have no use for the professionals who would instruct us. We are all amateurs and know just what we like, and art has descended upon us and is all over us. There never was such a time, such an opportunity, and there never were so many artists, so much encouragement of them, things never were going so well. As I have said, every town, big and little, has its gallery, many an academy or society, but I overlooked one matter in this revival of art—there is no place on Manhattan Island where an art society or an artist can show in a public gallery, there is no municipal or public gallery in the city of New York (Brooklyn has taken its place). There is but one other great city in the world—London—

(Continued on page 822.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDERS' GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States . . . \$5.00 a year
To all points in Canada . . . 5.50 a year
To all points in Europe . . . 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE
Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., DECEMBER 22, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1887)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Royd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauran St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonigle, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. OF A.

President. Horace Wells Sellers
First Vice-President. J. P. B. Sinkler
Second Vice-President. Milton B. Medary, Jr.
Secretary. Edward A. Crane
Recorder. Arthur I. Meigs
Treasurer. Edmund C. Evans
Executive Committee—Elliston P. Bissell,
Charles Z. Klauder, Walter H. Thomas.

T SQUARE CLUB.

President John F. Harbeson
Vice-President Herman L. Duhring
Secretary Wilbur H. Tusler
Treasurer Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzing.

Editorial Comment

As one grows older the years seem to pass more swiftly. It does not seem possible that twelve months can have come and gone since last we found ourselves writing a word or two of Christmas greeting to our readers, and yet here we are again called upon to say something to symbolize the Yuletide spirit. It's in the air on all sides of us, this Yuletide spirit, from the bustle of Christmas shopping, the presence of not very convincing Santa Claus on the street corners, and the gaily decorated shop windows, on down to the sidewalk vendors with their trays of holly and mistletoe.

* * *

The year opened badly with a general business depression due to conditions abroad, but rallied early in the summer, started to boom in the fall and reached a condition of bustling prosperity at the outset of the winter. The tremendous activity in many lines of trade incident to enormous contracts placed here by the warring military powers in Europe, has made itself felt in all lines.

* * *

Increased demand for munitions has brought about a corresponding demand for enlarged manufacturing facilities.

The influx of new hands by the thousands has created a demand for homes in which to house these communit of almost mushroom growth. In and about Chester, Marcus Hook, Pennsgrove and Wilmington the boom conditions are widespread and extend in nearly every line of business activity.

The ship yards are busy, the big steel and iron mills working day and night. Building totals for the year will exceed the expectations of the most optimistic among contemporary observers.

* * *

The indications are good for a continuance of this wave of prosperity for two to three years to come. Many of the larger contracts under way for war supplies are of a size to insure full time for the next five years. Nobody seriously counts upon a cessation of hostilities short of three years in the future.

Most of us will find a cause to be thankful in the fact that in the approaching Christmas season we are spared the suffering that is the lot of nations engaged in the titanic struggle abroad. It is a deplorable condition that, in spite of the onward march of popular intelligence, the combined chancellories of the countries engaged are unable even to agree upon tentative terms as to peace.

* * *

It has been a busy year for "The Guide," a year of effort and of progress. We have gained heavily in new subscribers, have notably enlarged our family of regular advertisers and have made small but important betterment in the physical make-up of the publication.

We want to thank our many friends and patrons for kind words and signal co-operation during the year. To each and all we beg to wish the merriest kind of a Merry Christmas and the happiest sort of a happy and prosperous New Year.

* * *

"The Craftsman Magazine" had an interesting paper in a recent number on the subject of "The Development of Beautiful Architectural Detail in America." "Almost the richest art inheritance the world has," said this paper, "is what we call architectural detail. The lovable, picturesque, beautiful details in the fine buildings of the world are just the arresting of lovable, beautiful impulses of mankind; and the more we come in contact with the important buildings, with the structures that have carried their beauty past centuries, the more sure we are that it is mankind we love, not stone, or wood, or concrete. This is probably the reason we cannot take the ornament of any age and superimpose it upon the structure of any other time; its beauty is its human intention, not its concrete outline. America has suffered more in her art through lack of understanding this fact than through any other unthinking phase of her confused and confusing civilization. We have been like cheerful, confident children; we have wanted what we liked, and we have liked without training.

* * *

"If we fancied, in our travels abroad, a flying buttress, a mediæval facade, a Norman tower and an Italian formal villa, we combined these in the structure we called our home without an æsthetic quiver, and the only reason we gave for this heterogeneous combination into a house of unrelated art was the fact that we liked these architectural details, at least we had liked them when we saw them in their own environment with their own kind of skies and atmosphere, enveloped in the love and interest that had formed and executed them. We did not stop to think that what we really loved was something that could not be transplanted, something that could not ever be rebuilt by human hands—the imagination and wonder of the men that produced them. We only brought away our memory of the external impression of something which we imagined we were powerful enough to transplant—an inspiration, a moment's exaltation of spirit.

* * *

"That marvelous thing that has made the beauty of the world—genius—the contact with what Carlyle calls the infinite, is difficult enough to transfuse into art, but it is far more difficult to copy, or to imitate, or to represent it because it has pleased us. When Nature has great wonder to express to the world she forces this splendor through some

humble channel and while the wonder flows through this medium, art is born and the world is enlightened. But we who have merely seen the outline of the miracle have really nothing to do with it except to be glad. We cannot bring away a particle of it, except in our spirit, and we certainly cannot ask a human being who has never even seen it to make it over for us. Imitation art is like warmed-over food, if one may be so commonplace, or a false limb, or music badly played, or an artificial flower, which is probably the most inartistic and horrible inanimate thing in the world. But to return to the question of architectural detail which is the spirit of genius made manifest—we can only have it beautiful and inspiring in this country if we, ourselves, devise it, if our builders, our architects permit their own purpose to become so suffused with what is essentially beautiful that they are inspired to design and establish in their own work the beauty they feel.

* * *

"This has been done; it was done in Colonial days, it was done by the humble builders of New England a century or so ago; it is being done to-day in California by the people who design their own homes, and by the architects who know the country, the landscape, the color values, the vast beauty of the Pacific Coast; it is being done by the really great domestic architects of the East,—Grosvenor Atterbury, D. Knickerbacker Boyd, Aymar Embury, Second, Mann & MacNeille, Albro & Lindeberg, J. Russell Pope, men whose work has furnished us architectural detail as lovely as the eager spirit of mankind could desire."

* * *

After extensive laboratory and service tests the Department of Agriculture has secured results which appear to establish definitely the value of oil-mixed concrete for damp-proof construction. Detailed results of these tests, which were carried out in connection with the work of the Office of Public Roads, are contained in the new bulletin, No. 230, of the Department, entitled "Oil-Mixed Portland Cement Concrete." Briefly summarized, the conclusions to be drawn from them are that the admixture of certain mineral oils in small proportions, not to exceed 10 per cent. of cement used, does not lessen the tensile strength of mortar; that the decrease in the compressive strength of mortar and concrete is not serious; that concrete mixed with oil takes much longer to set hard, perhaps twice as long, but that the increase in strength is nearly as rapid in the oil-mixed material as in the plain concrete. The use of oil does not make the concrete impervious to heavy water pressure, but it does make it practically non-absorbent under low heads.

The value of oil-mixed concrete is said to be particularly great in the construction of basement floors and walls, watering troughs, cisterns, barns, silos, and in all parts of concrete structures that are to be made damp-proof.

The oil should in no case exceed 10 per cent.

of the weight of the cement and for the most part, 5 per cent. is all that is necessary. Since a bag of cement weighs 94 pounds, 4.7 pounds of oil, or about 2½ quarts, should be added for each bag of cement used in the mixture. The sand and cement should be first mixed with the proper amount of water into a stiff mortar, to which is added the correct amount of oil, and the whole mass again thoroughly mixed until all traces of oil have disappeared. Particular care should be taken to insure that the oil is thoroughly incorporated in the mixture and the time of mixing should be practically double that when the oil is not used. For this reason a continuous mixer should not be used in oil-cement-concrete work, as it is difficult with this type of machine to increase the time of mixing sufficiently.

* * *

The kind of oil is also important, and the following technical specifications are suggested in the bulletin in order to prevent the use of certain oils which might tend to impair the strength of the mortar or the concrete:

- (1) The oil shall be a fluid petroleum product and shall contain no admixture of fatty or vegetable oils.
- (2) It shall have a specific gravity not greater than 0.945 at a temperature of 25 degrees C.
- (3) It shall show a flash point of not less than 150 degrees C. by the closed-up method.
- (4) When 240 cc. of the oil is heated in an Engler viscosimeter to 50 degrees C., and maintained at that temperature for at least three minutes, the first 100 cc. which flows out shall show a specific viscosity of not less than 15 nor more than 30.
- (5) When one part of the oil is shaken up with two parts of hundredth normal caustic soda, there shall be no emulsification, and upon allowing the mixture to remain quiet the two components shall rapidly separate in distinct layers.

For practical use the addition of oil will be found particularly useful in the construction of basement floors and walls. Many of these now in existence are continually damp and such a condition may be remedied by the application of an oil-mixed mortar coat to the old surface. A mortar composed of one part of cement and two parts sand and containing 5 per cent. of oil should be sufficiently non-absorbent for this purpose.

* * *

Watering troughs and cisterns made of oil-mixed concrete should also prove of considerable practical value in the conservation of water. In the construction of barns, where oil-mixed concrete is used, the interior will be noticeably drier than when ordinary concrete is used. Owing to their durability, cleanliness, and resistance to fire, concrete barns are becoming more and more popular, but they suffer from the disadvantage that during a long beating rain the side walls are inclined to absorb much moisture, which ultimately penetrates into the interior. The addition of oil to the extent of 5 per cent. of the

weight of cement in the concrete used in the side walls obviates this objection. Barn floors can also be constructed in the same way with advantage. A damp-proof floor is warmer because of the lack of evaporation from its surface, and it is also more sanitary than an ordinary concrete floor because of its non-absorbent character.

There are, of course, any number of other types of buildings and structures of all sorts in which oil-mixed concrete may be used advantageously, or, if this is not necessary, a coat of oil-mixed mortar may be applied effectively.

Attention is called, however, to the fact that extreme care in proportioning, mixing, and placing the concrete is absolutely necessary if the addition of any waterproofing agent is to be of value. The process of mixing oil with concrete has been covered by a public patent so that anyone is at liberty to use it. The methods of using this material are discussed more fully in the bulletin already mentioned.

FOR MORE SIMPLE INSPECTION.

First steps toward co-operation between the State Labor Department and the city building bureaus of New York City in the matter of inspection of buildings under construction or alteration were taken last week when members of these bodies met with representatives of the New York Joint Committee of Architects and the Building Trades Association to discuss the matter of a single inspection by the building bureaus, as is permitted by law.

Chairman John Mitchell, of the Industrial Commission, presided. Both city representatives, architects and owners coincided in this criticism of present conditions: Before a building can be constructed or altered plans must first be filed with and approved by the State Industrial Commission, and this usually takes two months. Then a similar procedure is gone through to secure approval by the building department of the borough where the structure is to be located, and this takes practically as long. Should the city department make any changes then the plans go back to the State commission for another inspection.

It was pointed out that the labor law gives the State Industrial Commission power to accept, if it desires, the inspection and approval by the city building department and the building interests urged that this be done. A committee was named to work out the details of such a plan at the earliest possible moment.

This committee was selected: Rudolph P. Miller, building expert of the building committee of the Board of Aldermen and former Superintendent of Buildings for the Borough of Manhattan; P. J. Carlin, Superintendent of Buildings for the Borough of Brooklyn; Henry D. Sayer, secretary of the State Industrial Commission, and one representative each of the Joint Committee of Architects and the Building Trades Association to be named by these organizations.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



ART AND THE AMERICAN PUBLIC.

(Continued from page 819.)

and London shares with New York the glory of patronizing artists and suppressing their work.

Now I happen to know something of the condition of affairs in some other great cities of the world. In London the Royal Academy dominates art, and has dominated it for one hundred and fifty years, and will dominate it almost certainly for another hundred and fifty. The method and the reason are as plain as they are carefully hidden.

The Royal Academy care little for opposition from artists, for if an artist is strong enough to oppose it, and forms a strong enough society to offer strenuous opposition to it, some of the most prominent members of that society are offered membership in the Royal Academy, and they accept, and the power and backbone of the new society are broken. And why do these one-time independent artists accept? For three reasons—their pictures are given a place on the line in every exhibition; they are given social precedence in England; but most important, though least known and carefully concealed, they are given a pension, to say nothing of a palace—dinners, and if officials in the Academy, a salary. An Academy which gives these privileges to its forty members and thirty associates as well as getting its galleries and schoolrooms free, ought to be pretty sure of itself. But it is not—and it will do nothing or has done nothing toward starting a public exhibition gallery in London; though it could do everything. But what is more, though its galleries are unused from August to December, it will not let any other society, any other artists, use them. It will not allow any other body of artists to interfere with its rights and privileges or prestige.

Every art society in England contains academicians amongst its members, and as far as I know, and I do know, these societies either have members in the Academy as their officials or are dominated by them. For reasons I have stated, almost every artist resident in Great Britain strives and struggles to get in; even Whistler's name was down for years, and to the everlasting disgrace of the American members, who could have easily elected him, they never did, preferring their pals,—and so there is no public gallery in London.

The Academy also, or members of it, called Charity Trustees, purchase the only modern works officially purchased for the Tate Gallery. The State and County Council believe in the Academy, and would never encourage art that it opposed or erect or support any gallery for modern art that it did not approve of; and the Royal Academy disapproves of all modern art, all galleries but its own. Its conduct has been investigated before Royal Commissions and censured, and that is all that happens. The Royal Academy goes on, though almost every British provincial city has a public gallery for the exhibition of modern work and an annual exhibition, and they each encourage art and artists by the purchase annually of large numbers of works from these exhibitions. Every important city on the continent of Europe that I know has a public art gallery in which modern art is shown, located in a public park, and these galleries and expositions are either managed by the state or city, or the gallery is turned over to various societies at various times to make their own exhibitions, and usually the authorities make a grant for their expenses or pay the bill if there is a deficit; and here to a practical nation of practical business people, as we are never tired of calling ourselves, is a practical proposition.

I will take two typical cases, the city of Venice and the city of Paris. Some fifteen or more years ago, the city of Venice, or rather Professor Fradeletto, Signor Grimani, the Sindie, at any rate, these names stood and still stand out, conceived the idea of holding an art exhibition in that city. They knew it must be in the city and accessible; they seized the public garden, the playground of Venice. I believe there was opposition, but the press and the public do not, save in war and strikes, dominate Italy; one-half nearly of the garden was taken and enclosed, though this was done gradually. The people were told it would pay Venice—dead despite the business man and the shipping man and the government's plans and expenditures—again make it a seaport.

The city was absolutely dead in the summer when the scheme of making it the art center of the world occurred to these City Fathers. Outside the chromo and the photo shops in the Piazza, there was no place for the modern Venetian to exhibit. Though every artist went to Venice to work, he never "showed" there. In fact, about eighteen hundred and eighty, when the artists protested against the turning of one of the islands into an arsenal or a hospital, the Sindie (the Mayor) replied

he hoped the day would come, and soon, when Venice would be so changed that not an artist would want to visit it. It has changed, and how has this come about? In the beginning there was no place for the artists to show, but in the Public Garden a permanent one was put up, the most eminent artists were invited, others were permitted to submit. Their work swere judged by an International Jury, all the expenses of transport, insurance and installation were paid by the city, prizes in money and medals were offered, and it was announced that the state and city would make purchases. The critics of the world were invited, too, and their expenses paid, to attend on a press day before the opening, and they were treated to excursions and dinners far better, in fact, than the artists even. Prizes were offered for their criticisms of the exhibition. Ambassadors and patrons were brought in special trains and received in state. Even the advertisements distributed broadcast were artistic, and the literature worth reading and well printed.

So well was the whole affair managed and advertised, that Venice woke up to find itself, what we are never tired of saying we will be some time, the art center of the world to-day. And what has been the result? From that day to this the management has remained in the same hands. First the people were appeased because the exhibition was opened officially by the King, who bought a number of works; the various government officials bought works for their departments; the city of Venice bought works; private syndicates of Venetian merchants, especially the hotel keepers, bought works; the greatest publicity was given to these facts; the public and artists came to see what was being shown and bought, and to do so, they were given return tickets good for nine months over any Italian state railway or steamship from the frontier and back at greatly reduced rates. And the public came in thousands, saw, and they too bought. The result was and is that Venice woke up; the Piazza was crowded, the hotels that were empty became so full that new ones had to be built, and as there was no room in the city, the sandy waste of the Lido became another city.

So great was the success, and rows over awarding the money prizes, that they never were given again. So great were the sales, so great the publicity that the most eminent artists strove to be represented. All the while the same management continued, and made themselves the dictators and the final jury, but there are benevolent autocrats and intelligent dictators. The success increased; collectors and dealers and museum directors came from all over Europe, a few even from America, to see modern art. The city ceased to give medals, but it bought more works, and it purchased a palace for a modern museum to put its acquisitions in, and the artists of Europe and the Americans of Europe showed an increasing eagerness to have their work shown, to get on the Jury, to attend the opening, the State Banquet in the Doge's Palace, and the other functions.

Then another idea occurred to the directors; they took over more of the park and they put up small galleries in it. There is now but a strip at the front left the public when the exhibition is over, and even that is closed at official functions. These small galleries were offered to various nations, one to the United States, and refused, only to be purchased for Great Britain, not by its government, but by a private individual, and turned over to a British Art Committee. The other nations purchased theirs, and over them, as over Embassies, float national flags. And here was the scheme: as the pavilions are national, each nation fills its gallery as it likes, and pays its own expenses, save that the superior Jury, the directors, can reject anything, even though hung, that they object to. The result is the main exposition building is given over one-half to Italian art and the other half, or rather about one-third, to collective exhibits by artists, living or dead, whom the directors wish to honor, to make known in Italy. Several Americans have already been so honored—Bartlett, Miller, Freiseke, Sargent and myself amongst others. After the pavilion was refused by the United States, three rooms were offered free to the National Academy, and a more commonplace collection could not have been exhibited. Good enough; the assumption, later carried out at Rome, being that anything was good enough for the Dagoes. Some works that were sent were rejected; and when I, representing the country on the Jury, asked why, I was told, because they were not up to the Venetian standard, and I could but agree; in fact, the statement, the last statement, made by Frank Millet in Rome at the American garage hen-coop palace gallery, that "American art had got a black eye it would not get over in Europe for twenty-five years," was perfectly true. And at the opening of the American Galleries that year the American Ambassador was conspicuous by his absence. To sum up this example, Venice is the art metropolis of the world to-day. The papers are out for next year, and the show will be held if the city still stands. The last exhibition suffered terribly from this terrible war, but at the previous one I believe more than half the works exhibited were sold, and sold to collectors all over the world; and owing to this exhibition of the Fine Arts, Venice is again a prosperous, a flourishing city.

As to Paris, have not the salons held in a public park for a century brought tourists, amateurs, collectors and artists, and with them endless money that they spend, to Paris? So well is this known, that the Grand and Petit Palais are never without, or were not till this war, a show in them.

Berlin, Barcelona, Munich, Budapest, Brussels, Venice, Rome, all have shows of modern art in modern galleries, built and owned by the states or cities and all in public parks. Even London has its annual academy, but that and the millions of shillings it has brought are for the members and not for art, but for Academicians, as is true of our Academy. Here is this hustling, business, go-ahead, commercial, even artistic city of New York.

What have we got in the way of a gallery for the Academy or any society as a public gallery for the exhibition of modern art? Nothing; and this has been prevented by cranks who leave the park open to the grossest indecency—landscape gardeners who don't mind the whole place being littered with newspapers and other similar rubbish, enthusiasts who endlessly talk of encouraging art and artists, and when a practical suggestion is made that we should encourage it and add millions to the revenue of the city and incidentally to artists, suppress every attempt to erect what every other city save London—they are known, many of them, anglomaniacs—has got. Look, for example, at the popular exhibition lately held in New York, Sorolla and the Futurists, which brought in millions,

and yet not one cent can be spent or one inch of ground given for the exhibition of American art in the greatest American city. It is the most pitiful exhibition of American artlessness that the world has ever seen, a farce funnier than our comics to Europeans, a sad spectacle indeed to the few Americans who know a loss of revenue that the average American business man seems unaware of; something to be ashamed of, something that can and must be changed. We must have a gallery in Central Park, and the city or the State must support it as they do the Metropolitan Museum of Art and the Brooklyn Museum. By so doing they would really encourage modern art, as every other city in Europe does—save London.—Joseph Pennell in "The Craftsman."

HOW TO MEASURE PAINTING—INTERIOR AND EXTERIOR

A tape line with fine wire woven into its body is flexible and will not stretch; a steel tape line is not flexible enough. A two-foot rule and a note book, these are the measuring outfit. To reach high parts attach the tape to a light pole, or fishing rod, joining as many together as may be necessary to reach very high or difficult places. Have note book ruled for jotting down the various items. Some use a sort of estimate sheet.

Verify all figures and don't estimate too close. For walls and all flat surfaces, multiply height by width, and add the squares of all openings, projecting sills and caps and bay windows being counted as openings. These are charged as extras.

Plain cornices and copings, multiply length by $1\frac{1}{2}$ times the girth, increase figures as building increases in height, and consider difficulty of getting at the work, and also note fact of walls being painted or unpainted. Say a three-story building, multiply length of cornice by three times the girth; buildings up to six stories multiply by four times the girth. Where the walls are also to be painted the estimate may be closer, or lower, as the same scaffold would do for both.

Cornice bracketed, dented, or panelled, multiply the length by from two to four times the girth, according to work. Where only the cornice is to be painted, no wall painting, you may make it from four to eight times the girth, according to the amount of work on it. For more than one color, increase rate accordingly. Hazardous work, or extra difficult work, or extra scaffolding, allow extra.

Add up your measurements and divide off into squares of 100 feet, or into square yards.

One of the most important parts of the contract is the glazing and glass. Be sure whether you are to furnish and set the glass, or set it only. If the glass and glazing are included in the painting contract this part is taken off first. This we get from the blue prints. Careful architects specify the correct

sizes of the glass on the plans, then it is easy. Or if the outside openings are figured the size of glass may be had from same by deducting width of sash and thickness of frames, which should be mentioned in the specifications.

Always figure plenty of glass, never guess at it, be accurate. You can sometimes take short-cut methods; for instance, say it is a house where all the glass is D. S. blown glass, there will be quite a number of different sizes, all within the same bracket, like 32x32 to 32x34; 30x32 to 30x38; 28x36 to 28x40; all listed at the same price, \$10.31. All of these and all intermediate sizes may be set down at any of the above figures, and the result will be the same for estimating purposes. Get acquainted with glass lists with this end in view. After properly estimating and listing the glass the cost is easily determined, and then add to it the risk of breakage.

For estimating price for setting or glazing various sizes of D. S., or plate, the percentage basis is the easiest and most accurate method, the percentage varying with the character and kind of glass. For ornamental glass, that is figured by the square foot, a price per foot may be added. In factory glazing, where there are thousands of lights of one size, the glazing may be figured by the light, taking into consideration bedding, size of muntins, etc. Estimating factory and mill building jobs is often done. The outside doors and windows are all the painter is usually called upon to do; the doors will be estimated by square measure; windows and transoms by the number of lights; for instance, all the windows, transoms, etc., are made up of lights 10x14; the cost of the glass is taken and enough is added to cover the glazing and also the painting of sash and window frames. From this basis all work is computed by counting the number of lights in the transoms, etc., and then multiplying by the price.

Measuring surfaces on plans is simply a

mathematical work and ought to be absolutely correct. But the character of surfaces vary so that the estimator has to use judgment, too, in order to make a paying estimate. That is to say, he cannot apply one price to every square yard of surface, but must regulate the price by the character of the work. So that there must be doubling, trebling and quadrupling the difficult part, so that when the quantities are given it is not the mathematically correct quantity, but the relative cost quantity.

Measuring or estimating, figuring as some call it, requires time, and the method that is sure and requires the least time is the one to use. Where the building is a simple frame structure the work is simple indeed, requiring only the reduction of the plain surface to squares or square yards, with such additions as may be required in order to pay the painter for additional work. With a brick building, or structure other than of frame, where the surface is much cut up, the lineal and unit method is best. Take a slate roof, needing no paint, we find tin gutters, ridge rolls and valleys, and these must be computed by the lineal foot, we cannot well use the square basis. Then comes the cornice, the measuring of which has been described. So with the cornices on the dormers, if any, also on porches. The outside windows are often taken off with the outside work, the price being added to cover same. Usually, or at least very frequently, painters estimate outside windows by the piece. An expert master painter will know how many windows of a given size a painter will be able to do in a day, and likewise how much paint it will take. This gives a basis for forming a unit price, which may be increased or decreased according to size of window, making the minimum charge for a double-hung window not far below that of the 3x6 window, as a man can do almost as many of this size as the smaller one.

Measuring on porches requires careful measuring of all painted parts with tape line, this being particularly true of large structures; while with ordinary small ones the painter should know from past experience how to estimate without measuring every part; but there should at the same time be some definite method for this, say by squaring up the floor space and other parts. By keeping records and training the eye and memory the painter may quite accurately estimate on most plain or small priced work. He can tell the cost of an average window, shutters, etc. If he has done say a door, he remembers the result or records it, and the same kind of door needs not to be measured on the next job. Then the figuring of the price is in like manner recorded and remembered for future use. This is the unit system. The unit usually taken is a single door, just one side of it. Some estimators get all their work done on this unit system, even to the picture moldings. Let us take this example: Let us say for convenience that all work throughout the house is grained and varnished and all of

the same kind or class of work. The plans show that on the first floor the doors are 2 feet 10 inches by 7 feet, with 6-inch finish. Reckon 25 square feet as a side. Set the arbitrary price of 54 cents per square yard. This will make one side of a door \$1.50; as the design of the work in the same apartment must be of like character the unit price is applied and is usually computed as follows: Each side of a door, one side; each two sides of frame, one side; inside of window, two sides; inside shutters, additional to windows, four to six sides; three square yards of wainscoting, one side; one room of base, one side; one room of picture mold, one side; plain mantel, four sides; and so on; thus on each lower door in pantry fitting one side. Each upper door in pantry fitting two sides, through, all parts being reckoned as far as possible in sides.

Taking the second floor, with lower ceilings, we find a door 2-10 by 6-6; this would figure \$1.40 per side, or \$4.20 for a door and frame on both sides; for any door that has a transom above it over 18 inches wide, add one side. Now, this method is less accurate, of course, than the square yard system, yet very good results may be had from it on such work as has been pointed out. It, of course, requires good judgment in the man making the estimate. And some while using this method, the unit system, do not measure all the parts by it, but figure wainscot by the square foot, picture mold and base by the lineal foot, and make special measurements and calculations for the odd items.

Here is a method employed by one master painter. First he takes a general view of the plan to get a good idea of the character of the job. Then he takes up the specifications, reading those for the painting carefully and making an abridged copy of them on top of the estimate sheet. Then the same with the specifications for the other trades; then another study of the plans, until they are perfectly understood. Then he takes off the attic first, the second floor, back stair, kitchen and pantry; all that class of work goes together. Then comes the cellar and laundry work, three coats of paint. The rest of the work is in yellow pine, filled, shellaced and two coats of varnish. Balance of second story, seven coats of white, with a coat of white enamel left bright. The windows are taken first, doors next, base, picture mold, then mantels, closet work, seats and extras. The rest of the first floor is taken off by rooms, hall white and rubbed, library and living room oak finished; English oak shellacked and waxed; music room white and rubbed. All work figured here by the square foot, except French doors and windows, which are estimated by the piece. Dining room mahogany stined and filled, shellacked, three coats of varnish and rubbed down with pumice stone powder and oil to a satin finish; yellow pine floors and oak floors next.

This, with the items of outside and glass, would be a complete set of items.—A. A. Kelly in "National Builder."

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 7, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 17, 1916, for the construction complete of the United States post office at Hackensack, N. J. Two-story and basement building; ground area, 8,200 square feet; fireproof throughout; stone facing; composition and copper roof. Drawings and specifications may be obtained from the custodian of the site at Hackensack, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 10, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 21, 1916, for the construction complete of the United States post office at Waterloo, N. Y. Two-story and basement building, 4,000 square feet ground area; fireproof construction (except roof, brick facing, with stone and terra cotta trimmings and stone base; composition roof. Drawings and specifications may be obtained from the custodian of site at Waterloo, N. Y., or at this office, in the discretion of the Acting Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 8, 1915.—Sealed proposals will be opened in this office at 3 P. M., January 19, 1916, for the construction complete (including mechanical equipment and approaches) of a one-story part basement and mezzanine, stone and brick-faced building of 8,584 square feet ground area, fireproof construction, composition roof, for the United States post office at Hornell, N. Y. Drawings and specifications may be obtained from the custodian at Hornell, N. Y., or at this office, at the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

SIMON & BASSETT HONORED.

A notable honor conferred on Philadelphia architects during last week was the selection by Governor Brumbaugh of Simon & Bassett to assist Charles Grady in the designing of the General Meade statue to be erected in Washington, D. C.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co., Bourse Bldg., Phila.
 John B. Rulon, 1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins, 125 S. 11th st., Phila.
 Warren-Knight Co., 136 N. 12th st., Phila.
 F. Weber & Co., 1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
 Brick (Face, Etc.).
- O. W. Ketcham, Builders' Exchange, Phila.
Brick Arches and Angles.
 R. B. Wible & Son, 11th and Ontario sts., Phila.
- Brick Renovating.**
 Adolph Christensen, 1433 Brown st., Phila.
 John Gallatig, 447 W. Dauphin st., Phila.
- Blue Prints.**
 Chas. H. Robbins, 125 S. 11th st., Phila.
 F. Weber & Co., 1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins, 125 S. 11th st., Phila.
- Builders.**
 James P. Farrell & Co., 1619 Sansom st., Phila.
 Graham-Campion Co., Heed Bldg., Phila.
 Mitchell Bros., 2125 Race st., Phila.
 Pomeroy Const. Co., 1609 Ranstead st., Phila.
 Russell and Keffer,
 Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden, Franklin Bank Bldg., Phila.
 W. E. Wark Co., 1737 Filbert st., Phila.
- Cement.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
 Knickerbocker Lime Co., 266 N. 24th st., Phila.
- Cement Colors.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Concrete Mixers.**
 Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Contractors' Equipment.**
 Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Dampproofing.**
 The Aquabar Co., Real Estate Trust Bldg., Phila.
 Barrett Mfg. Co., N. Y. City and Phila.
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- Door Hangers.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
 Richards-Wilcox Mfg. Co., 50 N. 6th st., Phila.
- Drawing Materials.**
 Charles H. Robbins, 125 S. 11th st., Phila.
 Warren-Knight Co., 136 N. 12th st., Phila.
 F. Weber & Co., 1125 Chestnut st., Phila.
- Electrical Specialties.**
 Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Electrical Construction.**
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.
- Engineers' Supplies.**
 Charles H. Robbins, 125 S. 11th st., Phila.
 Warren-Knight Co., 136 N. 12th st., Phila.
 F. Weber & Co., 1125 Chestnut st., Phila.
- Fences.**
 Anchor Post Iron Works,
 Real Estate Trust Bldg., Phila.
- Fireproofing.**
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- Flooring.**
 Currie & Campbell Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Floor Renovating.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Finishes.**
 R. O. Scheel, 9 S. 18th st., Phila.
- Floor Laying.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Planing.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floors and Floor Finishing.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Furnaces.**
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
 Borden Stove Co., 118 N. 2d st., Phila.
 Henry M. Miller, 46-48-50 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
 United Gas Improvement Co.,
 Broad and Arch sts., Phila.
- Granite.**
 Holmesburg Granite Co., Fidelity Bldg., Phila.
- Hardwood Floors.**
 General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Heating Contractors.**
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.
- Heating (Vapor).**
 Vapor Heating Co.,
 York, Pa., and North American Bldg., Phila.
- Heating Boilers.**
 H. B. Smith, 1225 Arch st., Phila.
- Iron Work (Structural and Ornamental).**
 James G. Madden, Franklin Bank Bldg., Phila.
 W. E. Wark & Co., 1737 Filbert st., Phila.
- Lumber.**
 Currie & Campbell, Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Howard Ketcham, 3d and Girard ave., Phila.
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
- Metal Lath.**
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- N. J. Wire Cloth Co.,
 Trenton, N. J., and 627 Market st., Phila.
- Marble Mosaic.**
 Belfi Bros. & Co., 20-22 S. 19th st., Phila.
- Mill Supplies.**
 The Fairbanks Co., 7th and Arch sts., Phila.
- Mill Work.**
 O. M. Weber Co., North Wales, Pa.
- Mortar Colors.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Overhead Carrying Systems.**
 Richards-Wilcox Mfg. Co., 50 N. 6th st., Phila.
- Paints and Varnishes.**
 Felton, Sibley & Co., 136 N. 4th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Pipe Fittings and Valves.**
 The Fairbanks Co., 7th and Arch sts., Phila.
- Preservatives (Wood and Concrete).**
 Barrett Mfg. Co., N. Y. City and Phila.
 F. E. Sagendorph, 131 S. 24th st., Phila.
- Radiators.**
 H. B. Smith Co., 1225 Arch st., Phila.
- Ranges.**
 Borden Stove Co., 118 N. 2d st., Phila.
 Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Refrigerators.**
 Borden Stove Co., 118 N. 2d st., Phila.
 Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Roofing.**
 Barrett Mfg. Co., N. Y. City and Phila.
 Brinkmann Bros., 2615 Frankford ave., Phila.
 T. S. Johnson Sons Co., 622 Cherry st., Phila.
- Roofing Slate.**
 C. F. Shellenberger, Builders' Exchange, Phila.
- Roofing Tile.**
 C. F. Shellenberger, Builders' Exchange, Phila.
 O. W. Ketcham, Builders' Exchange, Phila.
- Scales.**
 The Fairbanks Co., 7th and Arch sts., Phila.
- Sanitary Flooring.**
 Leather Flooring Co.,
 Glen Rock, Pa., & Land Title Bldg., Phila.
 Philadelphia Mineral Flooring Co.,
 5632 Summer st., Phila.
- Sewer Pipe and Flue Linings.**
 C. F. Shellenberger, Builders' Exchange, Phila.
- Sash Pulleys.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
- Soundings.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
- Ridpath & Potter Co., Bourse Bldg., Phila.
 John B. Rulon, 1355 Colwyn st., Phila.
- Stair Work.**
 O. M. Weber Co., North Wales, Pa.
- Structural Engineer.**
 Harry C. Eisenbise Co., Penna. Bldg., Phila.
- Switchboards.**
 Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Terra Cotta (Architectural).**
 O. W. Ketcham, Builders' Exchange, Phila.
- Test Borings.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
- Ridpath & Potter Co., Bourse Bldg., Phila.
 John B. Rulon, 1355 Colwyn st., Phila.
- Tile and Terrazza Work.**
 Belfi Bros. & Co., 20-22 S. 19th st., Phila.
- Wall Board.**
 Cell Board.
- The Philip Carey Co., 13th & Hamilton sts., Phila.
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
- "Compo."
 Howard Ketcham, 3d and Girard ave., Phila.
- "Utility."
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Waterproofing.**
 The Aquabar Co., Real Estate Trust Bldg., Phila.
 Barrett Mfg. Co., N. Y. City and Phila.
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- Standard Paint Co., 100 William st., N. Y. City.
- Weather Strip (Metal).**
 Diamond Flexible Metal Weather Strip Co.
 Geo. R. C. Johnston, Drexel Bldg., Phila.
- S. B. MacDowell & Son,
 1927 Montgomery ave., Phila.
- Window Screens.**
 S. B. MacDowell & Son,
 1927 Montgomery ave., Phila.
- Wire Work.**
 N. J. Wire Cloth Co.,
 Trenton, N. J., and 627 Market st., Phila.
 Audubon Wire Cloth Co., Inc., Audubon, N. J.



A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit. Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO.
NEW YORK CHICAGO BOSTON

WAINWRIGHT & CO.,
H. LOEB & SON
THOS. ROBINSON

Philadelphia
Philadelphia
Philadelphia

Let us estimate on your work
Alterations, New Construction, Repairs

RUSSELL & KEFFER

Carpenters and Builders

Commercial Trust Building, Philadelphia, Pa.

Prompt and Efficient Service. Low Cost

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

Bell
Locust 200
and 201

Keystone
Race 998

KNICKERBOCKER LIME COMPANY

MANUFACTURERS OF

Wood Burnt LIME



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings

LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.



LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXX., No. 52.

PHILADELPHIA, WEDNESDAY, DECEMBER 29, 1915.

LESS THAN ONE YEAR
15 CENTS PER COPY

FRENCH'S

"Quality First"
PEERLESS

MORTAR



COLORS

Brightest

Strongest

Unfading

Manufacturers also of the Famous

BUCK WHITE LEAD—A combination white paint
CROWN PAINTS—Ready mixed, semi-liquid, paste
COLORS—in oil, Japan, distemper, dry
VARNISHES—Elastic, durable, lustrous

WE SET AND SELL

TILES, MANTLES, FIREPLACE FIXTURES

SAMUEL H. FRENCH & CO.

York Ave., Fourth and Callowhill Sts.

Established 1844

PHILADELPHIA

MINERAL FLOOR

Base and Floor
one continuous
piece



should be used
wherever a sani-
tary floor is de-
sired. Practically
noiseless, it is the
ideal floor for
schools, public
buildings, railway
stations, stores,
kitchens, etc.

Water, Fire and Vermin Proof

We lay this floor anywhere
Information and samples on request

PHILADELPHIA MINERAL FLOORING CO.

5632-34 Summer Street

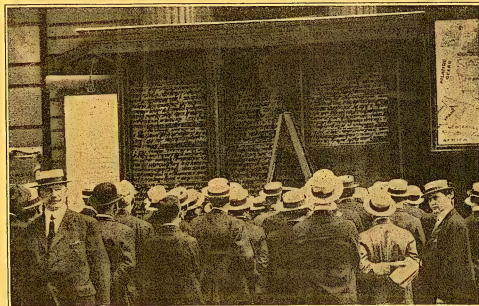
Philadelphia, Pa.

THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Pennsylvania Building



EXPOSED ALL KINDS OF WEATHER
THE NORTH AMERICAN BULLETIN BOARD MADE OF

COMPO BOARD

THERE IS ONLY ONE COMPO BOARD

The Great Substitute for Lath and Plaster. Quick and Clean Partition Work.
The Original and Real Article. The only board, a repeater. Sample will convince
you. See our exhibit at the Builders' Exchange.

HOWARD KETCHAM, Sole Agent
LUMBER YARDS

Third and Girard Avenue, Philadelphia



ANCHOR POST FENCES of Chain Link Woven Steel

Chain Link Woven Steel is the strongest and heaviest fence material made and when built on galvanized Anchor Posts forms a rust-proof, thief-proof enclosure that will last indefinitely. Write now for catalogue and full information.

ANCHOR POST IRON WORKS

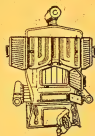
W. S. SLACK, Manager
Real Estate Trust Bldg., Philadelphia

Contractor's Equipment

NEW AND SECOND HAND
Concrete Mixers Builders' Hoists
Concrete Supports and Ties

The PIERCE-SCHMIDT CO. Inc.
BULLETIN BUILDING, PHILA., PA.

— MILLS —



"Opportunity"

You have an opportunity of obtaining the best boiler made—

By insisting upon a

MILLS WATER TUBE BOILER

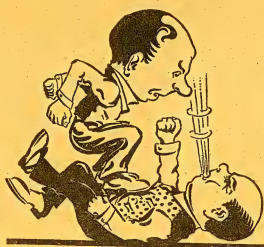
Best by test.

Ask for Information.

The H. B. SMITH CO.

1225 Arch Street

PHILADELPHIA - PA.



"Get the Jump on Your Competitors"

Join the "Live Wires"

Read the
Daily Building News

Reliable, verified,
advance building news
concerning work in
Philadelphia, Eastern
Pennsylvania, South-
ern New Jersey and
Delaware.

Let our represen-
tatives show you the
merits and utility of
this service.

"DAILY BUILDING NEWS"

Perry Building, Philadelphia

O. W. KETCHAM

Manufacturer of

Ornamental Terra
Cotta
Face Brick
Hollow Tile
Paving Brick
Roofing Tile

Philadelphia, 24 S. Seventh St.
New York, 1170 Broadway
Baltimore, American Building
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

HARRY C. EISENBISE CO.

Consulting Engineers

1302 Pennsylvania Bldg., Phila.
PHONE SPRUCE, 62-91

ADOLPH CHRISTENSEN CONTRACTOR

In Pointing and Renovating
Stone, Brick and Terra-
Cotta Work

Cementing and Rough Casting

1433 Brown St., Philadelphia, Pa.

The Originator of the New Method
of Renovating Bricks

POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building
work

1609 Ranstead Street, Phila.

Architectural Iron Work

ALBEE & GODFREY CO., Inc.
Shops, Brooklyn, N. Y.

Structural Steel

PITTSBURGH BRIDGE AND IRON WORKS
Shops, Rochester, Pa.

District Representative

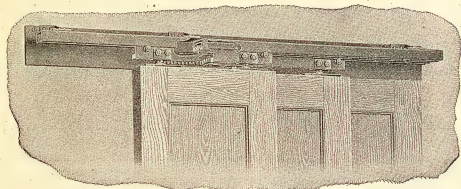
JAMES G. MADDEN

1011 Franklin Bank Building

Bell Phone, Walnut 4344
Keystone Phone, Race 2718

Philadelphia, Pa.

IDEAL Elevator Hanger



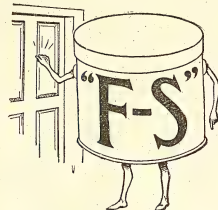
**IDEAL in Name and Action
"And Made in U. S. A."**

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street



**Opportunity knocks at
your door through "F-S"
Products.**

They say that Opportunity knocks but once to every man, but you can secure good results every day with our Imperial Spar Varnish. It is light, clear and of medium body; *dries without dust in 8 hours*; does not turn white; is unaffected by heat and moisture, and is durable indoors and out.

FELTON, SIBLEY & CO., Inc.

Manufacturers of Colors, Paints and Varnishes since 1863

136-140 N. 4th St., PHILADELPHIA

(120)

LEATHERFLOOR

A COMPOUND OF LEATHER

A Superior Sanitary Flooring



The highest degree of efficiency in composition flooring has been obtained in Leatherfloor. It is fire-proof, water-proof, dust-proof, germ and vermin-proof, noiseless, non-slipping, flexible, elastic and inexpensive.

Leatherfloor is admirably adapted for floors, base and wainscoting, in Hospitals, Asylums, Schools, Churches, Libraries, Theatres, Hotels, Restaurants, Apartment Houses, Factories, Stores, Banks, Steamships, Yachts, Railroad Cars. Etc., wherever a smooth, sanitary, fire and water-proof flooring is desired.

Leatherfloor is the Best

Leather Flooring Co.

Glen Rock, Penna.

Philadelphia Office: 1103 Land Title Building

Brick and Clay Products

Has your work ever been held up on account of slow delivery of BRICKS?

Unnecessary delay can be avoided and prompt deliveries assured by placing your order for BRICKS with BRADY.

Complete line of Clay Products including Face Bricks, Hard Bricks, Sewer Bricks, Flue Linings, Sewer Pipe, Roofing and Floor Tile.

JOHN F. BRADY

Crozer Building, Philadelphia, Pa.



Henry M. Miller

GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges
Seamless Porcelain Lined Refrigerators
46-48-50 N. SECOND ST., PHILA., PA.

Bell Phone, Market 24-43

Keystone Phone, Main 15-25

C. F. SHELLENBERGER

303 Builders' Exchange
Philadelphia



COMPLETE LINE OF

Roofing and Structural Slate
Roofing and Floor Tile
Sewer Pipe and Flue Linings
and Slaters' Tools



The INAUDIO

Absolutely Noiseless Closet Combination.

Substantial as a Closet. Can be made noiseless in operation. Thoroughly vitreous.

The special feature is the refill chamber, giving perfect water seal, thus preventing the escape of gases.

Why continue to handle the ordinary closet combination when the INAUDIO costs no more to install, is positively quiet in operation, and has many other superior advantages? Write for Booklet.

Manufactured only by
CAMDEN POTTERY CO.
CAMDEN, N. J.
1511 Sansom Street, Philadelphia

James P. Farrell Co.

1619 & 1621 Sansom Street, Philadelphia

Contractors and Builders

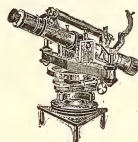
ALTERATIONS

:

JOBGING

Bell, Spruce 4419

Keystone, Race 3210



Convertible Wye Level

A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sunshade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

Other transits from \$15

to \$115.

Serviceable.

Durable. Will hold adjustments



F. WEBER & CO.

Mining, Engineering, Surveying Instruments, Drafting Material

1125 CHESTNUT ST., Philadelphia

Phones: Bell, Filbert 8803, 8604. Keystone, Race 278

W. E. WARK CO.

1737 Filbert Street
Philadelphia

Contracting ENGINEERS

STRUCTURAL STEEL
STEEL TOWERS
ORNAMENTAL IRON
WORK
CONCRETE DESIGNS

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

Afford Protection against Drafts.

Eliminates window rattle and is practically everlasting.

AMERICAN METAL WEATHER STRIP CO.

S. B. MAC DOWELL & SON, Representatives

1927 Montgomery Avenue, Philadelphia, Pa.

E. W. BAIRD

W. B. BUCHANAN

BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

1112 Chestnut Street, Philadelphia

THE PHILADELPHIA REAL ESTATE RECORD AND

Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXX., No. 52.

PHILADELPHIA, WEDNESDAY, DECEMBER 29, 1915.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Fire House (alts.), Jackson and Van Kirk streets, Philadelphia. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Safety, Robert D. Dripps, Director, City Hall. Composition flooring, metal lockers, cement paving (heating and plumbing separate bids). Owners taking bids, due December 30th at noon.

Fire House (alts.), 319 Delancey street, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Robert M. Dripps, Director, City Hall, Philadelphia. Brick and stone, 2 stories, consists of interior changes. Owners taking bids, due December 30th at noon.

Residences (100), Pulaski and Roberts avenues, Germantown. Architect, Bart Tourison, Land Title Building. Owner, John H. McClatchy, 639 Land Title Building. Stone and brick, 2 stories, 16x50 feet, tin roof, hot water heating, electric lighting, parquetry floors, tile baths. Owner is taking sub-bids.

Residence and Garage (alt. and add.), 401 West Cheltenham avenue, Philadelphia. Architect, Herbert C. Wise, 133 South Fifteenth street, Philadelphia. Owner, Henry Weiner, Jr., Stephen Girard Building, Philadelphia. Stone and brick, 2½ stories, slate and slag roof, tile work, electric lighting, oak floors, composition floors, electric elevator. Revised plans in progress.

Sunday School and Parsonage, Twelfth and Wyoming streets, \$40,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Logan United Brethren Church, Logan, Philadelphia. Stone, 2 and 2½ stories, slate roof, steam heating, electric lighting, tile work. Plans in progress. Architect will take bids about January 15th.

Shed and Storage Building, 911 North Ninth street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Keystone Supply and Manufacturing Co., on premises. Brick and steel, 1 story, 60x100 feet, slag roof. Architect has received bids.

Factory, 12201224 Spring Garden street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street, Philadelphia. Owner, B.

Eschner, president, M. Rice Co., 1220 Race street, Philadelphia. Reinforced concrete, brick and terra cotta, 5 stories, 54x100 feet, asphalt roof, tile work, expanded metal, damp-proofing, reinforcing bars, kalamein doors, steel sash (plumbing, heating and electric work, elevator and sprinklers reserved). Architects have received revise bids.

Ice Manufacturing Plant (alt. and add.), 2331 North Bodine street, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Consolidated Ice Manufacturing Co., on premises. Brick, concrete and steel, 2 stories, 58x110 feet, slag roof, concrete floors, metal sash. Architects taking bids, due December 31st. The following are figuring: Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Turner Concrete Steel Co., 1713 Sansom street; Harry Gill, Jr., 2515 Germantown avenue; John N. Gill & Co., Heed Building; A. R. Raff, 1635 Thompson street; Kessler Cont. Co., Drexel Building, all of Philadelphia.

Warehouse, 1224 to 1228 Callowhill street. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, The Crucible Steel Co. of America, 523 Arch street, Philadelphia. Brick and steel, 2 stories, 54x138 feet, slag roof, metal lath, composition floorings, steam heating, electric lighting. Architects have received bids.

Coal Yard, Abbottsford avenue and Pennsylvania Railroad. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, Ogden Peel, Bowman and East Cresson streets, Philadelphia. Consists of offices, garage, feed shed and coal pockets. Architect has received bids.

Paving, Fairmount Park, Philadelphia. Engineer, Jesse T. Vodges, City Hall, Philadelphia. Owners, City of Philadelphia, Commissioners of Fairmount Park, Room 127, City Hall, Philadelphia. Consists of paving, granite curbing, vitrified blocks, fencing and asphalt pavements. Owners taking bids, due December 29th at 11 A. M.

Coal Yard, Abbottsford avenue and Pennsylvania Railroad. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, Ogden Peel, Bowman and East Cresson streets,

Philadelphia. Consists of offices, garage, feed shed and coal pockets, brick and concrete, slate and slag roofs, electric lighting. Architect taking bids, due December 29th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; H. E. Baton, Twelfth and Sansom streets; A. R. Raff, 1635 Thompson street; E. E. Hollenback, Fifteenth and Race streets; Gotlob Steine, 3542 Sunnyside avenue, Falls of Schuylkill, Philadelphia.

Store and Apartments, 411 South Fifth street, Philadelphia. Architect, Julius J. Anderson, Drexel Building, Philadelphia. Owners, United Printing Co., 407 South Fifth street, Philadelphia. Brick, 3 stories and basement, 20x54 feet, slag roof, electric lighting, hot water heating, metal lath. Owner taking bids. Abraham Kirpichnikoff, 1110 North Forty-first street, is figuring.

Storage Warehouse, 651 North Forty-second street, Philadelphia. Architect, private plans. Owners, Millbourne Storage Co., 22 North Fifty-second street, Philadelphia. Brick, 3 stories, 156x117 feet, slag roof, steam heating, elevator, electric lighting, fire doors. Builder, F. C. Borell, Jr., 5425 Summer street, will take sub-bids.

Theatre, Germantown avenue and Venango street, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, J. Effinger, The Brantwood, Forty-second and Parkside avenue. Brick, terra cotta, concrete and steel, fireproof, 1 story, 130x145 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath. Plans completed. Architects ready for bids.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

Don't expect outsiders to give you a big rating on a one-inch space.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Diamond Flexible Metal Weather Strip



Geo. R. C. Johnston, Eastern Sales Representative
371 Drexel Bld., Phila., Pa.

Belfi Bros. & Co.

Marble
Mosaic



Terrazza and
Ceramic Mosaic

Tiles for Floors and Fireplaces
Interior Marble Work
Mantles, Marble and Wood

20 and 22 S. 19th Street
PHILADELPHIA

Branch Office, Allentown, Pa.
225 COMMONWEALTH BUILDING

WACCAMAW GUM WOOD FLOORING

Durable as Maple. Color and
Texture resembles Maple.

Worked $1\frac{1}{16}$ " x $2\frac{1}{2}$ " and $3\frac{1}{4}$ "
face. End matched, hollow
backed, and bored for secret
nailing.

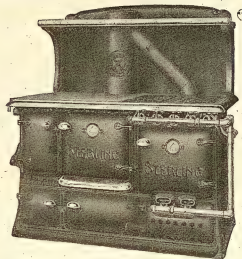
Longer lengths, better grade
and will cover more floor space
than any other Hardwood
Flooring.

Costs 25 to 30 per cent. less

We will Show Samples or take
you to inspect WACCAMAW GUM
WOOD FLOORING in use.

CURRIE & CAMPBELL
DISTRIBUTORS

Commonwealth Bldg. - Philadelphia



DOUBLE STERLING

"In the Whole World, Not Another Like It"

The most complete coal and gas range. Two in one
occupying a minimum of space

The Range for POSITIVE Satisfactory Results.

May be seen in many different combinations at

BORDEN STOVE CO.

118-120-122 N. Second St., Philadelphia

Drop Postal for Handsomely Illustrated Booklet

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Residence (alt. and add.), Chestnut Hill,
Philadelphia, \$12,000. Architects, Brookie &
Hastings, 1713 Sansom street, Philadelphia.
Owner, J. E. Morgan, 235 Chestnut street,
Philadelphia. Stone, $2\frac{1}{2}$ stories, slate and tin
roof, electric lighting, tile work, electric elevator,
metal weatherstrips (heating reserved).
Contract awarded to H. H. Burrell, 206 South
Quince street, Philadelphia.

Alterations for Court Rooms, Twenty-first
and Race streets. Architect, J. T. Windrim,
Commonwealth Building, Philadelphia. Owners,
City of Philadelphia, County Commissioners,
Room 134, City Hall. Consists of remodeling
building for Municipal Court (heating,
plumbing and electric lighting separate bids).
Contract awarded to James P. Farrell & Co.,
1619 Sansom street.

Court Building (alts.), Twelfth and Wood
streets, Philadelphia. Architect, Philip H.
Johnson, Land Title Building, Philadelphia.
Owners, City of Philadelphia, Office of County
Commissioners, Room 134, City Hall. Brick, 3
stories, slag roof, enameled bricks, metal lath,
composition floors, steel stack, iron stairs,
safety treads, metal sash, fire doors, iron
fence, terrazzo floors (heating, plumbing and
electric work separate bids). Contract awarded
to James P. Farrell & Co., 1619 Sansom
street.

Store Building (alts.), 18 South Seventeenth
street, Philadelphia. Architect, H. E. De Hoff,
48 South Sixty-first street, Philadelphia. Owner,
Cornelius Monihan, 16 South Seventeenth
street, Philadelphia. Brick, 2 stories, addition
of 15x16 feet, slag roof, steam heating.
Contract awarded to Clarence A. Le Gates, 322
North Gross street.

Flats (alts.) and Garage, Twenty-sixth and
Jefferson streets, \$3,800. Architect, Ralph E.
White, Pennsylvania Building, Philadelphia.
Owner, William F. Brey, Pennsylvania Building,
Philadelphia. Brick, 2 stories, slag roof,
tile work (heating reserved). Contract awarded
to A. Whitehead, Inc., 1624 Latimer street.

Factory, 1220-1224 Spring Garden street,
Philadelphia, \$50,000. Architects, Sauer &
Hahn, 1112 Chestnut street, Philadelphia.
Owner, B. Eachner, president, M. Rice Co.,
1220 Race street, Philadelphia. Reinforced
concrete, brick and terra cotta, 5 stories, 54x
100 feet, asphalt roof, tile work, expanded
metal, dampproofing, reinforcing bars, kalamain
doors, steel sash (plumbing, heating and
electric work, elevator and sprinklers reserved).
Contract awarded to H. E. Batton,
Twelfth and Sansom streets, Philadelphia.

Factory (add.), Eighteenth and Courtland
streets, Philadelphia. Architects, William
Steele & Sons Co., 1600 Arch street, Philadelphia.
Owners, Friedberger-Aaron Manufacturing
Co., on premises. Reinforced concrete and
brick, 3 stories, 72x94 feet, asbestos roof, steel
sash, metal weather strips, reinforcing bars,
steel rolling doors, fire doors (heating and
electric work reserved). Contract awarded to
William Steele & Sons Co., 1600 Arch street,
Philadelphia.

Warehouse, 1224 to 1228 Callowhill street.
Architects, The Hoffman Co., Finance Building,
Philadelphia. Owners, The Crucible Co.
of America, 523 Arch street, Philadelphia.
Brick and steel, 2 stories, 54x138 feet, slag
roof, metal lath, composition flooring, steam
heating, electric lighting. Contract awarded
to Freund-Siedenbach Co., Bulletin Building,
Philadelphia.

For every "one" man you can mention
who has succeeded without advertising we'll
agree to name ten whose greater success
has been due to advertising "direct."
Moral Advertiser!

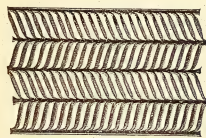
The man who does not advertise is like the
man who stops his watch to save time.—Exchange.

UTILITY WALL BOARD

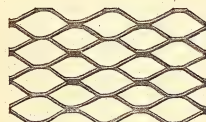
FRANK C. GILLINGHAM & SON COMPANY
PHILADELPHIA

BUILDING LUMBER

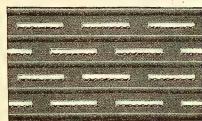
We Pay For This Space



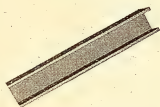
Herringbone Metal Lath



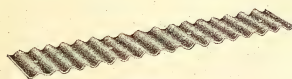
'Bilco' Metal Lath



'Bilco' Sheet Lath



Cold Rolled Channels



Wall Ties

TO SERVE YOU

For every problem there is one best method—for every method, one best material. Combine the two and perfect results are assured.

When you want Concrete Floors or Roofs designed, when it is a question of Suspended Ceilings, Stucco Work or Inside Plastering, call on us.

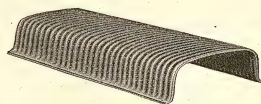
OUR ENGINEERS ARE AT YOUR SERVICE

The only way to estimate just exactly how much our Engineering Department has helped Architects, Contractors, Plasterers and Owners during the past year

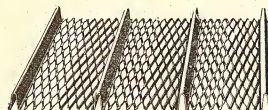
ABSOLUTELY FREE

is by their return inquiries.

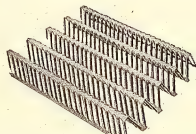
We have designed concrete floors and roofs, porch floors, suspended ceilings, partitions, curtain walls—in fact, every form of light concrete construction.



Steel Tile



Self Sentering



Trussit



Expanded Metal



'Bilco' Corner Bead

Have We Helped
You? Why Not?

Builders Steel Products Co.

PHILADELPHIA WILKES-BARRE

—WATERPROOFING MATERIALS—

When writing to advertisers, please mention THE BUILDERS' GUIDE.

In Renovating

the interior of the CATHEDRAL of
SS. PETER and PAUL, Philadelphia

Modern Gas Light was Selected

on account of its superior daylight
quality, coupled with its economy
and artistic appearance.

It will pay you to consider this
ideal illuminant whenever you
build or renovate churches, assem-
bly halls or houses.

Get in touch with our "Build-
ers and Operators Division."

Telephones:
Bell—Filbert 2191; Keystone—Race 2690

THE UNITED GAS IMPROVEMENT COMPANY

THE FAIRBANKS CO. PHILADELPHIA

VALVES AND SCALES

R. B. WIBLE & SON Brick Arches and Angles Ground and Fitted

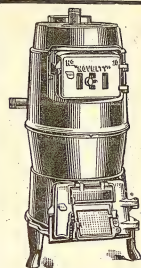
Full Size Drawings Furnished
11th & ONTARIO STS. 3404 N. 12th ST.
Philadelphia, Pa.



LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
Steel Boxes, Panel Boards

114 NORTH THIRTEENTH STREET
PHILADELPHIA, PA.



"NOVELTY" REMINDERS

The "Novelty" Tank Heater

Has more distinctive features than any similar appliance and will
produce maximum results with low fuel consumption

The demand for Tank Heaters is large and one installed in
your houses will add to their value.

Why not have the best?—"The Novelty"

Manufactured in Philadelphia by

ABRAM COX STOVE CO.

EXHIBIT AT
BUILDERS' EXCHANGE

American and Dauphin Sts.

PENNSYLVANIA Construction News

Residence, Merion, Pa. Architects, Frank
Seeburger & C. F. Rabenold, Pennsylvania
Building, Philadelphia. Owner, Christopher
T. Wetherill, 6365 Sherwood road. Brick, 2½
stories, slate roof, hot water heating, electric
lighting, hardwood floors, tile work. Plans
in progress. Builder, E. J. Hedden, Finance
Building, Philadelphia.

Hotel, Eddystone, Pa., \$150,000. Archi-
tects, Henon & Boyle, 10 South Eighteenth
street, Philadelphia. Owners, Remington
Hotel Co., care of architects. Brick, steel,
stone trimmings, 7 stories, 50x120 feet, slag
roof, steam heating, electric lighting, tile
work, concrete fireproofing. Plans about
completed. Architects will take bids about Janu-
ary 1st.

Residence, Fort Washington, Pa. Architect,
L. V. Boyd, Harrison Building, Philadelphia.
Owner's name withheld. Hollow tile and plas-
ter, 2½ stories, 30x50 feet, slate roof, hot
water heating, electric lighting, hardwood
floors, tile work. Plans in progress. Archi-
tects will take bids in about ten days.

Residence and Garage, Wynnewood, Pa.
Architect, Paul A. Davis, 3rd. 1713 Sansom
street, Philadelphia. Owner, Paul A. Davis,
3rd, 1713 Sansom street, Philadelphia. Stone
and frame, 2½ stories, 78x31 feet, shingle
roof, hot water heating, electric lighting, oak
floors, tile work. Plans completed. Architect
will probably sub-let and will be ready for
bids in about one week.

School Building, Marcus Hook, Pa., \$50,000.
Architect, W. E. Hance, 204 West Twenty-
fourth street, Wilmington, Del. Owners, Board
of Education, Marcus Hook, Pa. Brick, 2 sto-
ries, 104x45 feet, slag roof, slate blackboards,
metal lath (heating, plumbing and electric
work separate bids). Owners taking revised
bids, due January 5th.

Residence (alts. and add.), Reading, Pa.
Architect, A. A. Ritcher, Sixth and Court
streets, Reading, Pa. Owner, Dr. John Beat-
tie, Fourth and Cumberland streets, Reading,
Pa. Brick, 2 stories, 30x60 feet, composition
roof, steam heating, electric lighting, hard-
wood floors, metal lath. Plans completed.
Architect ready for bids.

Residence, St. Davids, Pa., \$10,000. Archi-
tect, Ralph E. White, Pennsylvania Building,
Philadelphia. Owner, W. L. Moorhouse, Am-
bler, Pa. Hollow tile and stucco, 2½ stories,
42x60 feet, shingle roof, hot water heating,
electric lighting, hardwood floors, tile work.
Architect taking bids, due December 30th.
Jacob Myers & Sons Co., Witherspoon Build-
ing, and Specht & Sperry, Heed Building,
Philadelphia, are figuring.

Residence (alts. and add.), Haverford, Pa.
Architect, Charles Barton Keen, Bailey Build-
ing, Philadelphia. Owner, Charles E. Mather,
226 Walnut street, Philadelphia. Stone and
hollow tile, 2 stories, 41x20 feet and 21x52
feet, consists of new hall, kitchen wing and
stone walls, shingle and slate roof, tile floors,
ornamental iron railings and gate, fan system
of heating, electric lighting. Plans completed.
Architect ready for sub-bids on all lines.

Residence (alts. and add.), Reading, Pa.
Architect, A. A. Ritcher, Sixth and Court
streets, Reading, Pa. Owner, Dr. John Beat-
tie, Fourth and Cumberland streets, Reading,
Brick, 2 stories, 30x60 feet, composition roof,
steam heating, electric lighting, hardwood
floors, metal lath. Plans completed. Archi-
tect ready for bids.

Residence, Wynecote, Pa. Architects, Duh-
ring, Okie & Ziegler, Bailey Building, Phila-
delphia. Owner, Mrs. Henry E. Baltzell, Wynecote, Pa. Stone, brick and rough cast, 2½
stories, shingle roof, oak floors, tile work
(heating, plumbing and electric work reserv-
ed). Architects taking bids, due January 3rd.
The following are figuring: Elfret & Wood,
1706 Sansom street; I. A. Dunkelberger, 71
East Herman street; F. B. Davis, 240 North
Sixteenth street; O'Neill Co., 7811 German-
town avenue; A. L. Fretz & Son, 1222 Chan-
cellor street; Wolverson & Collins, 7930 Ger-
mantown avenue, Philadelphia.

Apartment Houses (2), Eddystone, Pa.
Architect, Herman H. Kline, Sixth and Mil-
lin streets, Philadelphia. Owner, John N.
Kennedy, Jr., 1001 Chestnut street, Philadel-
phia. Brick, stone and terra cotta, 3 stories,
20x125 feet, slag roof, steam heating, com-

Distributed by

The Philip Carey Co.

Roofing and Building Specialties

13th & Hamilton, Streets, Philadelphia

CAREY

Ceil-Board
SUPERSEDES PLASTER FOR
WALLS
AND CEILINGS

Distributed by

James E. Tague & Co.

LUMBER—White Pine a specialty

Yards: N. E. Cor. 10th & Columbia Ave.
N. W. Cor. 19th & Cambria Sts.

"THE ACKNOWLEDGED STANDARD"

ROEBLING WIRE LATHThe Best Plaster Foundation for all classes of Buildings
New Illustrated Catalogue No. 1432 mailed on request.**The New Jersey Wire Cloth Co.**

Manufacturers and Distributors of

ROEBLING WIRE LATH, WIRE CLOTH, NETTING, FENCING AND WIRE WORK

Main Office, Trenton, N. J.OFFICES AND STORES: 627 Market Street, Philadelphia, Pa., 210 Fulton Street, New York City
93 and 95 Pearl Street, Boston, Mass.

Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores

bination lighting, fire escapes. Owner will take sub-bids about January 1st.

Residence (alts. and add.), Haverford, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Charles E. Mather, 226 Walnut street, Philadelphia. Stone and hollow tile, 2 stories, 41x20 feet and 21x52 feet, consists of new hall, kitchen wing and stone walls, shingle and slate roof, tile floors, ornamental iron railings and gate, fan system of heating, electric lighting. Plans completed. Architect ready for sub-bids on all lines.

Y. M. C. A. (add.), Allentown, Pa. Architects (associated), Louis E. Jallade, 37 Liberty street, New York City, and Ruhe & Lange, Allentown, Pa. Brick, steel and reinforced concrete floors, fireproof, 6 stories, 60x148 feet, slag roof, metal doors, metal sash, tile and terrazzo floors, reinforcing bars, waterproofing, fire escapes, metal lath (heating, plumbing, electric lighting, elevator and structural steel separate bids). Architect taking revised bids, due December 30th. The following are figuring: Irwin & Leighton, 126 North Twelfth street, and Pomeroy Construction Co., Heed Building, Philadelphia.

Auto Body Factory, Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, The Autocar Co., Ardmore, Pa. Brick and steel, 3 stories, 275x300 feet, consists of main building, boiler house and blacksmith shop, slag roof, reinforcing bars, steel sash, fire doors, dampproofing (plumbing, heating, electric work, elevators reserved). Revised plans about completed. Architects will take bids in about ten days.

Residence, Easton, Pa., \$13,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, William Prellwitz, Easton, Pa. Brick and stucco, 2½ stories, 48x33 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Revised plans in progress.

Residence (alt. and add.), Haverford, Pa. Architects, Morris Erskine, Crozer Building, Philadelphia. Owner, Paul Thompson, 1816 Delancey Place, Philadelphia. Frame, 2½ stories, 2 wings, 52x49 feet and 21x38 feet, shingle roof, hot water heating, plumbing, electric lighting, tile work. Architects will sub-let.

PENNSYLVANIA**Contracts Awarded**

Residence, Easton, Pa., \$20,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, W. Evans Chipman, Easton, Pa. Stone and frame, 2½ stories, 40x61 feet, shingle roof, vapor heating, electric lighting, tile work, hardwood floors. Contract awarded to William Snyder, Easton, Pa.

Bakery and Tea House (alt. and add.), Easton, Pa., \$6,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, Mrs. Matilda Felver, Easton, Pa. Stone and brick,

1 story, 20x56 feet, glass roof, steam heating, electric lighting. Contract awarded to Asa Smith & Son, Easton, Pa.

Garage, Villanova, Pa. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Mrs. H. Howard Ellison, Jr., 1953 Locust street, Philadelphia. Hollow tile and plaster, 2 stories, 26x24 feet, slate roof, metal lath, waterproofing (heating and electric work reserved). Contract awarded to Gray Bros., Rosemont, Pa.

NEW JERSEY**Construction News**

School Building, Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of W. C. Haines, Berlin, N. J. Brick, 2 stories, 59x74 feet, slate roof (electric lighting, steam heating reserved). Revised plans about com-

pleted. Owners will take bids in about ten days.

School Building, West Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, William C. Haines, District Clerk, Berlin. Brick, 1



EXPERIENCE and organization enable us to execute building contracts thoroughly.

Strict attention to details of heavy construction or artistically delicate work.

Graham-Campion Co.**BUILDING CONSTRUCTION**

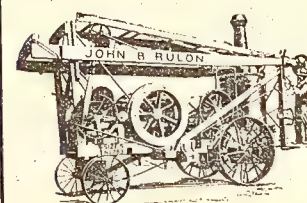
1215 Filbert Street, Philadelphia

*We please architects and satisfy owners
Both will recommend our work.*

**Does Your Roof Leak?****Tin and Slag Roofing****HEATERS
RANGES
CORNICES
SKYLIGHTS****BRINKMANN BROS.**

2615-17 Frankford Ave. - Phila., Pa.

ESTABLISHED 1865

**WELLS DRILLED****Test Borings**
Ask for Prices**JOHN B. RULON**
1355 Colwyn Street
Philadelphia, Pa.

The prosperous, the great, the wise,
You may have noticed, advertise!

HEATING**BOWERS BROS. & CO.**

Real Estate Trust Building

Philadelphia, Pa.



FLAG POLES and Fittings

Tubular Steel,
Oregon Pine,
Norway Spruce,
All Sizes
Furnished and Erected
Complete

STEEPLEJACK
CANVAS ROOFING

BERNARD McCURDY

110 North 9th Street
Philadelphia

Bell, Filbert 23-13.
Keystone, Race 60-17A



Wells - Soundings
Test Borings

Artesian Well
Drilling Co.

Real Estate Trust Building, Philadelphia

Let Us Make Your Home Weather Proof

Aquabar Co's No. 2
Colorless Compound
Prevents Rain Absorption
on Stone, Brick and
Stucco Houses

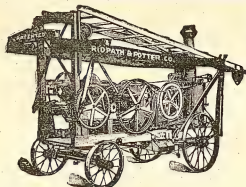
THE AQUABAR CO.

Waterproofing
Engineers and Contractors
REAL ESTATE TRUST BLDG.
PHILADELPHIA. PA.



JOHN GALLATIG Practical Brick and Stone Pointer

Old, dirty brick fronts not painted,
made like new
447 W. DAUPHIN ST., PHILA., PA.



We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

RIDPATH & POTTER CO

587 Bourse Building
Philadelphia, Penna.

story, 75x60 feet, slate roof (warm air heating, plumbing and electric work separate bids). Revised plans about completed. Owners will take bids in about ten days.

Church and Sunday School, Pitman, N. J., \$60,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Pitman M. E. Church, Pitman, N. J. Stone, 1 and 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Sunday School, Cape May, N. J. Architect, Ferdinand Witt, 105 West Fortieth street, New York City. Owners, First Baptist Church, Cape May, N. J. Stone, 1 story, 43x68 feet, slate roof, steam heating, electric lighting. Architect has received bids.

Sunday School, Cape May, N. J. Architect, Ferdinand Witt, 105 West Fortieth street, New York City. Owners, First Baptist Church, Cape May, N. J. Stone, 1 story, 43x68 feet, slate roof, steam heating, electric lighting. Architect taking bids, due December 28th. William J. McShane, 417 South Thirtieth street, Philadelphia, is figuring.

Residences (9), Trenton, N. J., \$18,000. Architect, private plans. Owner, Fred T. Walters, Lumberville, N. J. Frame, 2½ stories, 14x40 feet each, slate and tin roofs, hot water heating, electric lighting. Owner is

sub-letting all contracts.

Factory Buildings (2), Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Reinforced concrete, 4 stories, 275x90 feet and 6 stories, 75x232 feet, slag and concrete roofs, steam heating, electric lighting, steel sash. Plans in progress.

Club House, Salem, N. J., \$10,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Royal Order of Moose, Old Oak Lodge, Salem, N. J. Brick, stone trimmings, 2 stories, 30x60 feet, slag roof, steam heating, electric lighting, composition flooring. Plans in progress.

Garage, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Roger Henry, 216 North Broad street, Trenton. Brick, 2 stories, 41x118 feet, slag roof, steam heating, electric lighting, concrete floors. Architects taking bids.

Store and Apartments, Roebling, N. J., \$10,600. Architect, R. A. Shuman, 341 Tyler avenue, Trenton. Owners, Stern Bros., Roebling, N. J. Brick, 3 stories, 25x150 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing. Architect has received bids.

NEW JERSEY

Contracts Awarded

Club House, Bridgeton, N. J., \$7,500. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Conhanzick Country Club, Bridgeton, N. J. Frame and concrete, 2½ stories, 80x44 feet, shingle roof, steam heating, electric lighting, metal lockers. Contract awarded to Murphy & Co., 261 South Tenth street, Philadelphia.

Varnish Factory, State and High streets, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Eugene E. Nice, 268 South Second street, Philadelphia. Brick, steel and concrete, 1 story, 35x30 feet and 55x29 feet, Toncan metal roof, cement floors. Contract awarded to Philip Haibach Cent. Co., Twenty-sixth and Thompson streets, Philadelphia.

Office Building (4), Camden, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Mason Temple Building, George W. Jessup & Sons, 533 Federal street, Camden, N. J. Consists of changing lodge rooms on fourth and fifth floors into offices, mill work, metal ceilings, steam heating, revolving doors, electric light-

ing, plumbing fixtures. Contract awarded to William Wrifford, 525 Market street, Camden, N. J.

Residences (2), North Thirty-seventh street, Camden, N. J. Architect, private plans. Owner, Frank Walters, Camden, N. J. Frame, 2½ stories, 16x38 feet, slate roof, hot water heating, electric lighting. Contract awarded to Joseph Trucksees, 138 South Thirty-second street, Camden, N. J.

Store and Residence, Trenton, N. J., \$4,000. Architect, private plans. Owner, Lewis W. Long, 799 East State street, Trenton, N. J. Brick, 3 stories, 30x31 feet, slag roof, steam heating, electric lighting. Contract awarded to Burton & Burton, American Mechanics' Building, Trenton, N. J.

Factory (add), Trenton, N. J., \$5,000. Architect, private plans. Owners, Joseph Stokes Rubber Co., Trenton, N. J. Brick and steel, 1 story, 44x60 feet, slag roof, metal sash, steam heating, electric lighting, concrete floors. Contracts awarded: Mason work to Scott & Day, Interstate Telephone Building, Trenton, N. J.; steel to N. A. K. Bugbee & Co., 206 East Hanover street, Trenton, N. J.

R. O. SCHEEL, PRESIDENT

FLOORS

PARQUETRY—PLAIN HARDWOOD—MAPLE—PINE AND EVERY KIND
LAYING—PLANING—FINISHING

GENERAL FLOORING AND MFG. CO.

9 So. 18th STREET, PHILADELPHIA, PA.

SUCCESSOR TO J. C. MOORE CO. AND FLOOR LAYERS AND PLANERS, INC.

H. H. S. OGDEN, SECRETARY

Miscellaneous Construction News

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Hunter Grubb, Wilmington, Del. Brick, hollow tile and stucco, 3 stories, 58x47 feet, shingle roof, hot water heating, electric lighting, metal lath, hardwood floors, tile work. Architects have received bids.

Office Building, Tenth and Market streets, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner's name withheld. Granite, brick, terra

cotta and steel, 3 stories, 30x70 feet, tin and copper roof, steam heating, electric lighting, tile work, metal lath, dampproofing. Architect has received bids.

Factory (add.), Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Second and Greenhill avenue, Wilmington. Brick, 2 stories, 18x63 feet, slag roof, steam heating, electric lighting, concrete floors, steel sash. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

MARYLAND Construction News

Business Building (alts. and add.), 306 West Baltimore street, Baltimore. Architect, Louis Levi, Munsey Building, Baltimore, Md. Owners, J. Leopold & Son and Pereth Cohen, on premises. Brick, 3 stories, consists of general remodeling of entire building for factory.

Residences (15), Collins avenue, north of Massachusetts avenue, Baltimore. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owners, Welsch Const. Co., 11 East Fayette street, Baltimore. Brick, 2 stories, 14x26 feet each, slag roofs, hot air heating. Architect is sub-letting all contracts.

School (add.), Park avenue and Laurens street, Baltimore, \$12,000. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owners, The Friends School, on premises. Stone, 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Stable (add.), Josephine street, Baltimore, Md. Architect, John Freund, Jr., 11 East

Lexington street, Baltimore. Owner, E. H. Koester, 644 West Lexington street. Brick, 2 stories, 45x85 feet and 27x85 feet, slag roof, concrete floors. Architect taking bids. The following are figuring: Bunnecke & Sons, 305 St. Paul street; C. L. Stockhausen Co., Marine Bank Building; Decker & Son, 1215 East Bidle street; Baker & Palmer, Lexington and Mount streets; George Pierson, 1013 Hanover street; Adam Kratz, 118 South Carrollton avenue; Consolidated Engineering Co., Calvert Building; John E. Kunkel Co., 29 South Linwood avenue; Cogswell-Koether Co., 406 Park avenue; L. Milske, 1011 East Preston street; Singer-Pentz Co., Equitable Building, Baltimore, Md.

Factory (add.), 132 West Fayette street, Baltimore. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, Wise Bros., on premises. Brick and steel, 3 stories, 18x45 feet, slag roof, steam heating, electric lighting. Architects taking bids.

MARYLAND Contracts Awarded

Factory (add.), Woodberry, Baltimore, Md., \$16,000. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Mt. Vernon-Woodberry Mills, Baltimore. Brick, concrete and steel, 2 stories, concrete and slag roofs. Contract awarded to W. T. Childs, 14 West Fayette street, Baltimore, Md.

Factory Buildings, Covington street, foot of Warren avenue. Architects, Smith & May, Calvert Building, Baltimore. Owners, John S. Beacham & Bro., on premises. Brick, 1 story, 19x23 feet and 16x27 feet, slag roofs. Contract awarded to Staylor Building Co., Baltimore, Md.

THE ELEMENT OF ERROR IN ESTIMATING.

Much has been written on the subject of estimating and the importance which it holds in the success of the building contractor. The element of error in estimating, due to carelessness or other mistakes not arising from inability is a recurring one, but among careful men this is far less frequent than commonly supposed. In a recent monthly letter of the secretary of the Master Builders' Association of Boston, the statement is made that "an estimate far below a group of figures—a frequent happening—can only mean one of three things:

"First. An error on the part of a man doing good work—and who will do the job properly and suffer by his error.

"Second. An honest price from an honest man who gives the best value of which he is capable, but whose work is low in quality.

"Third. A cut-throat price from a cheap man who will save or skim where he can, trust more or less to luck to come out square, and who cares little for results if he can 'get by.'

"The two latter are the usual low bidders, and the last is the man commonly found surprising every one by his low figures until finally he is pushed to the wall and another of the same kind takes his place."

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

T. S. Johnson's Sons Co. invites the confidence of buyers who are in the habit of accepting promises as final and who expect the utmost in returns from the money they invest in Roofing and Sheet Metal Work.

T. S. Johnson Sons Co.
622 Cherry Street
PHILADELPHIA - PA.

WOOD WORK OF QUALITY



Mill Work
Stair Work Cabinet Work
Flooring

O. M. WEBER CO., Inc.
North Wales, Pa.

SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

Are you aware, Mr. Advertiser, that this paper circulates in 5,000 offices, reaches every architect of any prominence in the East and the Secretary of every architectural club and chapter in the country?

THE BUILDERS' GUIDE,
Perry Building, Philadelphia.

Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Edwin C. Dreby (O), Haddonfield, N. J. Cost, \$15,950. Eleven residences, 14.9x35 feet, brick, steam heat, slag roofs, west side of Almond and Westmoreland streets.

E. P. Moxey, Jr. (O), 31 Westview street. McClintock & Weaver (C), 24 West Phil-Elena street. Cost, \$10,240. Dwelling, brick, 3 stories, 29x62 feet, slate roof, steam heat, southeast corner Quincy and Phil-Elena streets.

City of Philadelphia (O). F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$43,000. Public library, 104x88 feet, two wings, brick and terra cotta, McPherson Square and F street.

James Mifflin (O), 125 North Tenth street. G. Bartram Bond, 5204 North Carlisle street. Cost, \$9,000. Residence, stone, 44x34 feet, 3 stories, hot water heat, shingle and slats roof. Thirteenth and Sixty-sixth avenue.

Tioga Machine Co. (O), Twenty-third and Tioga streets. Burd P. Evans (C), Thirteenth and Wallace streets. Machine shop, 107x95 feet, brick, slag roof, steam heat, Twenty-third and Ontario streets.

Frederick J. Miller (O), 5511 North Fifth street. Cost, \$55,000. Eighteen dwellings, brick, 2 stories, 15x43 feet, slag roof, hot water heat, Franklin, Eighth and Wingohocking.

Charles M. Green (O), 5511 North Fifth street. Three dwellings, brick, 2 stories, 15x29 feet, hot air heat, slag roof, Palethrops and Chew streets.

Kahn & Greenberg (O), Morris Building. M. H. Dickinson (C), 2330 Market street. Cost, \$400,000. Loft building, terra cotta, slag roof, 395x220 feet, 4 stories, Twenty-third and Market streets.

Schuykill Realty Co. (O), 5600 Walnut street. Cost, \$85,000. Twenty-six stores and dwellings, stone, slag roof, hot water heat, 2 and 3 stories, 15x46 feet, Sixty-second and Catherine streets.

George M. Reis (O), 1118 Lincoln Building. Cost, \$30,600. Fifteen stores and dwellings, brick, slag roof, hot water heating, 2 and 3 stories, 16x40 feet, Slocum and Germantown avenue.

Alterations and Additions

Weiner & Pollner (O), 408 Market street. J. Copeland (C), 1645 North Eighth street. Cost, \$1,100. Store and dwelling, new bulks, 519 South street.

Fels & Co. (O), Twenty-third and Woodland avenue. Cost, \$9,500. Manufacturing building, brick, 72x102 feet, metal windows, southwest corner of Island road and Woodland avenue.

Adolph Bonnem (O), 4925 North Broad street. Morris Yellin (C), 712 North Franklin street. Cost, \$5,500. Dwelling, porch and brick 3-story addition, 4907 North Broad street.

William Brey (O), Pennsylvania Building. Wilbert & Springer (C), 1624 Latimer street. Cost, \$3,000. Store and dwelling, 2 stories, brick, Twenty-sixth and Jefferson streets.

United Gas Improvement Co. (O), Broad and Arch streets. John G. Davies & Co. (C), Twentieth and Clearfield streets. Cost, \$3,000. Product building, Thirty-second and Passunk avenue.

Baltimore and Ohio R. R. (O), Twenty-fourth and Chestnut streets. James C. Driscoll (C), 1524 Chestnut street. Cost, \$1,500. Chemical building, fire repairs, Thirty-seventh and Morris streets.

B. Orzechawski (O), 4640 Melrose street. John Boile (C), 4640 Melrose street. Cost, \$550. Dwelling, brick, kitchen and bed room, 11x18 feet, 4638 Melrose street.

Brown & Leonard (O), 21 North Fifty-second street. R. Weber (C), 5326 Margat street. Cost, \$500. Store and dwelling, brick, 5125 Market street.

United Gas Improvement Co. (O), 1401 Arch street. R. M. Godwin (C), 1401 Arch street. Cost, \$400. Manufacturing building, iron frame, 7x24 feet, Passunk avenue and Schuykill.

H. Falsom (O), 2443 North Twenty-ninth street. A. Barsky (C), 636 Pine street. Cost, \$1,000. Store and dwelling, brick, 2443 North Twenty-ninth street.

J. Shechter (O), 532 Watkins street. Cost, \$1,000. Dwelling, brick, 526 Mifflin street.

Philip Cahia (O), 1317 South Eighth street. Cost, \$400. Dwelling, 1207 South Eighth street.

Texas Co. (O), Morris Building. Cost, \$1,000. Retaining wall, concrete, Tenth and Chelton.

H. B. Cassel (O), 1721 North Second street. B. P. Evans (C), Thirteenth and Wallace streets. Cost, \$6,200. Feed warehouse, 1536 North American street.

Andrew Forbes & Co. (O), 940 Market street. Brilliant Manufacturing Co. (C), 1035 Ridge avenue. Cost, \$600. Sign, electrical, 940 Market street.

William Happold (O), Bala, Pa. H. P. Werner (C), 3245 Germantown avenue. Cost, \$350. Store and dwelling, 3063 Germantown avenue.

Pennsylvania Silk Dyeing Co. (O), Adam avenue, Frankford. Hugh F. Munro (C), 1737 North Fifth street. Cost, \$400. Boiler house.

C. B. Roberts (O), Sixth and Columbia avenue. Cost, \$2,000. Offices, Ruan and Tackawana streets.

A. Siegel (O), 2027 North Front street. F. C. Aubel (C), 2520 North Ninth street. Cost, 365. Store, 2027 North Front street.

J. Alboutz (O), 620 South Third street. Abe Shestack (C), 528 Reed street. Cost, \$350. Store and dwelling, 620 South Third street.

A. M. Collins Manufacturing Co. (O), Third and Columbia avenue. George B. Clopp (C), 3207 Spring Garden street. Cost, \$590. Foot bridge, Third and Columbia avenue.

General Manufacturing Co. (O), Swanson and Snyder avenue. H. P. Friend (C), Boyer Arcade Building, Norristown, Pa. Cost, \$2,000. Manufacturing Building, Swanson and Snyder avenue.

Schuykill Realty Co. (O), 5600 Walnut street. Cost, \$2,400. Four garages, Sixty-third and Christian streets.

N. M. Holden (O), 5235 Frankford avenue. F. Deitrich (C), 1828 East Schiller street. Cost, \$500. Garage, 4325-27 Frankford avenue.

Hutchinson Baking Co. (O), 3240 Walnut street. Drehman Pacing Co. (C), 2622 Parish street. Cost, \$1,000. Bakery, 3240 Walnut street.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$650. Dwelling and garage, northeast corner of Sixty-third and Walnut streets, brick, 15.7x13.6 feet.

Yerkes Eveland Co. (O), 1401 Spring Garden street. Federal S. S. Electrical Co. (C), 1518 Sansom street. Cost, \$500. Roof sign, 1401 Spring Garden street.

Dr. W. E. Gahta (O), Aldine Hotel, Brownmont & Co. (C), 1611 Sansom street. Cost, \$1,000. Store and apartment, 1727 Walnut street, fire escape and fireproofing.

Thomas Donnelly (O), 2658 East Norris street. Willard Myers (C), 2000 East Cambrist street. Cost, \$1,000. Saloon, interior, 2658 East Norris street.

Berl Weintraub (O), 2134 South Seventh street. A. Krauss (C), 348 Jackson street. Cost, \$600. Store and dwelling, 3 stories, brick, 2134 South Seventh street.

Maria Cundarda (O), 512 Queen street. M. Cipriano (C), 941 Federal street. Cost, \$300. Dwelling, raise roof, 512 Queen street.

Harry Slochman (O), 25 North Marshall street. Charles Slochman (C), 507 Green street. Cost, \$1,150. Store and dwelling, brick, 2 stories, 13x26 feet, 25 North Marshall street.

Dr. F. R. Bigley (O), Huntingdon and Amber streets. Cost, \$1,500. Garage, 1 story, brick, 2657 Collins street.

William Brey (O), Pennsylvania Building. Wilbert & Springer (C), 1624 Latimer street. Cost, \$700. Garage, 1 story, brick, 11x17.6 feet, Twenty-sixth and Jefferson streets.

Charles Lawson (O), northeast corner of Seventh and Wood streets. Barclay White & Co. (C), Perry Building. Cost, \$550. Bridge, iron and frame, northeast corner of Seventh and Wood streets.

City of Philadelphia (O), City Hall. F. W. Van Loan (C), Denckla Building. Cost, \$23,000. Recreation Building, 1 story, hollow tile, 57x35 feet, new walls, new roof, West Moreland and Fifth streets.

A. A. Frankel (O), southeast corner of Front and Dauphin streets: Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$3,000. Garage, 1 story, brick, 100x40 feet, 1926 East Dauphin street.

Home for Deaf Children (O), Belmont and Monument avenues. Charles P. Biggin Co. (C), 1829 Harlan street. Cost, \$400. Fire escapes, Belmont and Monument avenues.

A. Sanders (O), Land Title Building. Lam Building Co. (C). Cost, \$900. Garage, fire repairs, 1728 Brandywine street.

DO IT NOW.

All we have is just this minute

Do It Now.

Find your duty and begin it

Do It Now.

Surely you're not always going

To be "a going to be," and knowing

You must sometime make a showing.

Do It Now.

SURE.

Stick to your work, forget the mob.

Avoid the discontented throng;

For, if you're always on the job

Success is sure to come along.

THIRD NATIONAL FOREIGN TRADE CONVENTION

Philadelphia to be an Important Factor in the Coming Foreign Trade Meeting at New Orleans. Philadelphia and Pennsylvania Industries to be Extensively Represented. Important Subjects Underlined For Discussion and Some of the Men Who Will Contribute Papers of Interest

Philadelphia will share largely in the deliberations of the Third National Foreign Trade Convention, to be held in New Orleans January 27, 28 and 29.

The immense volume of foreign trade here and through the State will direct the attention of Pennsylvania manufacturers to the discussions of the convention, as the rules bar the reiteration of familiar theories of foreign trade, and those interested will present solutions for the problems which have arisen from the war.

Men whose names are known not only throughout the United States, but to all the world as leaders in financial and commercial affairs will attend and speak at the convention. It is the intention of the organizers to see that the smaller dealers and manufacturers get a hearing and provisions have been made in the program for the discussion and exchange of views on the problems of the smaller business men.

Action Versus Conversation.

Alba B. Johnson, president of the Baldwin Locomotive Works, who will address the convention on "World Trade Conditions After the European War," is one of the Philadelphians on the program.

Following the regular sessions each day group sessions will take place for the detail discussion of the various suggestions and theories. The slogan of the convention is to substitute "national action for national conversation."

The latitude of the National Foreign Trade Council is very large. It includes virtually every phase of our trade with the remainder of the civilized world. But the gospel for a vast commercial expansion between the North, Central and South Americas will not go unheeded at the coming meeting, and it is also expected to be the keynote of the business sessions will be striking discussion of the issues analogous to the application of the commercial interpretation of Pan-Americanism. In order that delegates may be given the benefit of expert information from Government sources, representatives of the Bureau of Foreign and Domestic Commerce, Department of Commerce, will be present. Practical advice on the detail of foreign trade will be available from eight experienced managers of foreign trade departments of great industries and export houses, and consultation had as to the conditions in and methods of entering the markets of Latin America, Europe, Asia and Australasia.

Discuss Important Subjects.

James A. Farrell, president of the United States Steel Corporation, will speak on "Foreign Investment of American Capital as an Aid to Foreign Trade," and Fairfax Harrison, president of the Southern Railway, will be heard on "The Relation of American Railroads to the Development of Foreign Trade." Of particular interest to the smaller manufacturer and merchant will be the subjects, "How the Smaller Manufacturer May More Largely Share the Benefits of Foreign Trade," "The Smaller Manufacturer in Foreign Trade" and "Unfair Discrimination Against American Exports." Frank A. Vanderlip, president of the National City Bank, of New York, and chairman of the American International Corporation recently organized for \$50,000,000, is also to make an address.

Invitations have been sent to thousands of commercial and industrial organizations, to firms and individuals throughout the country requesting their attendance at the convention. Those addressed to the heads of concerns may equally be used, if desired, by junior partners or others in authority. Manufacturers and all others interested in foreign trade who have not received invitations are advised to communicate at once with Mr. R. H. Patchin, secretary National Foreign Trade Council, 64 Stone street, New York City. The Council believes it is highly important that the State of Pennsylvania, with its great foreign trade interests, should be largely represented.

Among those in Philadelphia to whom invitations have been sent are James E. Bonner, of Carnegie Steel Company; J. G. Brill & Co, Cambria Steel Company, William Cramp & Sons, Charles B. McElhany, Ernest Harrah, Henry U. Hand, William J. Conlein, T. R. Palmer, S. C. Huber, Harold Peirce, Robert Radford, Standard Steel Works, Edward D. Roberts, Henry Disston & Son, Edward H. Sanborn, J. W. Van Dyke, Atlantic Refining Company, J. B. Bonner, Dudley Bartlett, E. A. St. George Bodbrook, Charles W. Bailly, Stanley C. Flagg, Jr., W. S. Duling, E. V. McCaffery, E. Lawrence Fell, J. S. W. Holton, J. V. Lobar, Calvin M. Smyth, C. Fred Stout, J. B. Stetson, Jr., N. B. Kelly, W. S. Harvey, W. H. Arrow, National Association of Clothiers, Chamber of Commerce, Morocco Manufacturers' National Association, Board of Trade, Grant Wright, National Association of Hosiery and Underwear Manufacturers, National Varnish Manufacturers' Association, National Wholesale Dry Goods Association,

Philadelphia Bourse, Paint Manufacturers' Association of the United States and Ernest T. Trigg.

Among Those to Be Present.

Among the members of the National Foreign Trade Council who will be present at the convention are: James J. Hill, chairman Great Northern Railway Co.; Willard Straight, vice-president American International Corporation; E. A. S. Clarke, president Lackawanna Steel Co.; P. A. S. Franklin, vice-president International Mercantile Marine Co.; Samuel P. Colt, president United States Rubber Co.; John G. Ryan, president Anaconda Copper Mining Co.; Charles A. Schieren Co.; President C. A. Schieren Co.; E. P. Thomas, president United States Steel Products Co.; W. L. Saunders, chairman Ingersoll Rand Co.; Charles E. Jennings, president C. E. Jennings Co.; Maurice Coster, Westinghouse Electric Manufacturing Co.; Charles E. Muchnie, vice-president American Sales Corporation, and Daniel Warren, American Trading Co.

Among those scheduled to speak are: Willard Straight, on "Relation of the Tariff to World Trade Conditions After the War;" Captain Robert Dollar, on "The Merchant Marine;" Percival Farquhar, president of the Brazil Railway Co., on "Investment in Latin America;" John Clauson, of the Crocker National Bank, of San Francisco, "Investment in Central America," and J. J. Culbertson, of the Interstate Cotton Seed Crushers' Association, Paris, Texas, on "Unfair Discrimination Against American Exports."

Henry Howard will speak on "The Necessity for an American Dyestuffs Industry to Aid Export Trade in Textiles." David Warren, Victor Camors and others will discuss the subject of "How to Utilize the Export Houses."

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

WHY WE DO IT.

Advertise and the world buys of you; Remig, and you need a loan. If you never tell what you have to sell, You'll have troubles all your own. —Los Angeles Evening Herald."

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDERS' GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)
Sixteenth and Chestnut Sts., Philadelphia, Pa.

SUBSCRIPTION RATES

To all points in United States \$5.00 a year
To all points in Canada 5.50 a year
To all points in Europe 5.50 a year

ALL SUBSCRIPTIONS PAYABLE IN ADVANCE

Subscriptions not discontinued at expiration
unless so ordered

PUBLISHED BY

Building News Publishing Company, Inc.
PERRY BUILDING, PHILADELPHIA.

W. S. Harvey, 2nd. President
Joseph M. DeLone. Vice-President
Louis S. DeLone. Secretary and Treasurer

Entered at the Post Office at Philadelphia as
Second Class Matter.

Irving Dillon. Editor

PHILADELPHIA, PA., DECEMBER 29, 1915.

AMERICAN INSTITUTE OF ARCHITECTS (Organized 1857)

OFFICERS FOR 1915

President. *R. Clipston Sturgis, Boston
First Vice-President. *Thomas R. Kimball, Omaha, Neb.
Second Vice-President. D. Knickerbacker Poyd, Phila.
Secretary. *Burt L. Fenner, New York
Treasurer. *J. L. Mauian St. Louis
Auditors. { Thomas J. D. Fuller, Washington, D. C.
 { Robert Stead, Washington, D. C.

Board of Directors 1915

For One Year—*C. Grant La Farge, New York City;
H. Van Buren Magonie, New York City; John Hall
Rankin, Philadelphia.

For Two Years—Walter Cook, New York City;
W. R. B. Wilcox, Seattle, Wash.; Octavius Morgan,
Los Angeles, Cal.

For Three Years—Walter Cook, New York; W. A.
B. Wilcox, Octavius Morgan.

*Executive Committee.

PHILADELPHIA CHAPTER A. I. OF A.

President. Horace Wells Sellers
First Vice-President. J. P. B. Sinkler
Second Vice-President. Milton B. Medary, Jr.
Secretary. Edward A. Crane
Recorder. Arthur I. Meigs
Treasurer. Edmund C. Evans
Executive Committee—Elliston P. Bissell,
Charles Z. Klauder, Walter H. Thomas.

T SQUARE CLUB.

President. John F. Harbeson
Vice-President. Herman L. Duhring
Secretary. Wilbur H. Tusler
Treasurer. Walter Mellor
Directors—E. Nelson Edwards, William F. B.
Koelle, Clarence C. Zantzinger.

Editorial Comment

The proposed Philadelphia Municipal Art Gallery, design and plans for which have been completed by Horace Trumbauer and his associates, Messrs. Zantzinger, Medary and Borie, is now being shown in model in the pavilion in City Hall courtyard.

"If it is actually carried out in marble," comments the Philadelphia "Public Ledger," "it will make the hill of Fairmount a true acropolis of art and famous the world over. Profiting by the previous studies, and understanding the needs of the occasion from the point of view of gallery space as well as that of erecting an edifice which will command the lofty site, the architects, with Mr. Trumbauer in charge, have developed a superb design. Dignity with simplicity and a striking beauty of proportion and of nobility, which while strictly classical is never monotonous, but is instinct with life and variety of effect, are the features of the structure. It can be said in all truth to excel any similar single gallery group devoted to like purposes here or abroad.

"The nature of the problem, which demanded a central museum gallery with wings that would be a unit and at the same time allow such a development of the wings as to give them equal and even a superior importance, in case they should be called on to house such a collection as that of the late P. A. B. Widener, has been admirably met by the architects. With the terraced and highly ornate fountain plateaus leading up to a main building, with its encircling outreaching wings on either side, forming a fore-court of fine proportions and plainly indicating the purposes of the structure, the best traditions of architecture have been followed, but not too literally. On the contrary, the whole aspect of the hill, with its crowning monument is one of great originality and quite overwhelming. Many of the details, such as the larger outer wall surfaces, which are windowless, thus giving a chance for sculptural effects in low relief, are very impressive, while the lighting from the roofs and the simplicity of the inner wall surfaces insure a maximum of space for the possible exhibits. Moreover, even though the entrance to the central structure is an ornate Corinthian temple with a sculptured pediment in full relief and applied statuary on the gable angles, there is little exterior decoration to distract one, and the main effect is a matter of well-arranged mass that would do credit to the real Acropolis itself.

"It is to be hoped that the optimism of the Fairmount Park Commissioners is justified and that there will be no serious delays in actually realizing this proposed gallery. The Philadelphia of the future needs this focus for its art life and needs it badly."

* * *

In all the many and various discussions had throughout the country bearing on the move-

ment for improving the status of the engineer a recent talk by Ernest McCullough stands out in bold relief. Mr. McCullough's contribution came in the form of a little talk before the Western Society of Engineers on the subject of engineering societies in general and their attitude towards the young engineer.

"Passing by the criticisms leveled at many of the accepted society methods, there are some constructive suggestions regarding the needs of the young engineer. The young engineer, said the speaker," said the speaker, "looks to his society for scholarship, companionship and definite recognition. He is glad to attend a meeting where there is a lack of formalism and perhaps an opportunity to mingle freely with older men who have made their mark. He wants to make acquaintances with men having like interests with himself and to feel that the society is more than an editorial body or an encyclopedia compilation of engineering facts—that is, it is composed of flesh and blood men who want to help him because of their knowledge of the trials and tribulations he is undergoing.

"Among the definite recommendations was one urging the establishment by engineering societies of 'service clearing houses.' On this topic the speaker arraigned a lot of the older engineering bodies. He pictured the engineer as a wanderer from job to job. When capital is active he is hard to find, but when dull times come and capital rests, the streets are full of technically-trained men out of work. The speaker maintained that there is a place for all and that it is the duty of the older and more successful engineers to take care of those not so successful.

When it comes to legislation for the technical man, the speaker endorsed the proposition requiring the registration of technical engineers with an examining board qualified to examine men in different specialties, so that the word "engineer" will possess a dignity comparable with the titles of the other learned professions. He also urged a wider latitude in connection with publicity efforts.

"Throughout his life," he claimed, "the technically-educated man, the engineer, is at times a professional man, a technical employee and a business man. He must do some publicity work, and a society should not be hide-bound in what is to be considered proper means of publicity to be employed by individual members."

Another effect mentioned of proper publicity work was that it would have the effect of sifting out desirable men from those not so desirable, the speaker claiming that it is because of improper publicity work that there are so many complaints to-day of unfit men enrolled as engineers.

In short, as a plain talk on engineering societies, the address was about as breezy a presentation as one could hope to find.

The December number of "Arts and Decoration" has among its many attractive features an article by Mr. Samuel Howe on "An American Derivative of the Spanish Renaissance." The "motif," if one may so use them term, of Mr. Howe's delightfully conceived impressions of the many beautiful things our American architecture owes to Andalusian impulses, is the home of Mr. Charles S. Walton, at St. Davids, Pa.

"Probably one of the most delightful and engaging signs of the times in affairs architectural is the frequent and satisfactory resource to Spain as a vigorous and timely memorandum of its use of Oriental motives," writes Mr. Howe. "Our architects have of late realized that the brightness of our climate and the love of the country for its own sake, invites the attack on the country house problem from such view as that which doubtless inspired the designers of Granada, Cordova or that fascinating and picturesque assemblage of mystery and charm, which appears at times under the nomenclature of 'the pearl of Andalusia.'"

"It is not the first time that houses and villas of Spanish architecture as found in Seville have been used as the incentive for American homesteads. We hear but little else these days in our study of the modern architecture of Southern California, and we desire to hear but little else because it is a big-hearted, a direct style, a style that is not a style after all, as generally understood in correct phraseology, because it knows neither boundary nor limitation, but is only a facetious and fascinating method of expression. In other words, it is free from stylistic propensities and affectation, and colorful. It is free also in its wholesome usage of commonplace materials and winsome for its delightful handling of the essential."

* * *

"It would scarcely be fair to the architect to speak of Walthamton, the home of Mr. Charles S. Walton, as merely Spanish, or, indeed, as Southern Californian based upon Spanish work, in spite of its sympathy with the missions. That classification would not be fair to the general design. Very much of the attraction of this composition is due to the manner in which the scheme has been the outgrowth of the property itself. The plan provides for a central hall, conservatory, patio and a long and very interesting terrace scheme involving a series of steps, runways, fountains and pergolas which unite the upper with the lower level and around which has grown a very pleasing group comprising gardens and balconies at different levels and rooms where rooms seem desirable. The architect of today has become the counsellor and friend, as well as the general practitioner skilled in academic proportions and the hundred and one things that qualify an architect. He studies closely the property assigned to the development of his scheme and seeks to make of it something likely to be of service to the family, rather than the reproduction of the old traditional forms, oblivious to the fact that they may or may not happen to suit the

case. We have in this interesting property at St. Davids an unusually attractive illustration that it pays liberally to devote study to a scheme from the site rather than from the drawing office. The plan follows the Spanish prototype in its treatment of minor rooms, octagonal in plan, which appear in the grouping as towers. The breakfast room, which is connected to the conservatory by means of a loggia, which in turn is tied to one of the main paths of the patio or walled garden, receives the morning light, cool and clear, making it a delightful and serviceable apartment for the morning meal. The apsidal termination of the conservatory, which forms the center or general axis of the whole garden, is also very pleasingly arranged. The billiard room is apart from the main axial center of the house.

"The accent of the composition is naturally upon the decorative connection between the lake and the upper terrace which is accomplished by means of steps which follow in plan, as in section, the general level of the ground, but do so in a very interesting and unusual manner."

* * *

"As in the streets of the Albaicin, Cuesta del Pescado and other old quarters of Granada the masonry of the walling is made interesting every foot of it, by the way in which the local stone is utilized in the building, and the wide joints flushed with mortar giving a rough texture that is very acceptable, becoming, with its warm gray, an agreeable background to the foliage and avoiding that severity of line which is often troublesome to take care of in domestic problems. It is interesting to note that the mason finds the trap rick of central Pennsylvania as serviceable as that which is so well known in California for this description of Spanish building. In other words, good, sympathetic masons the world over are not slow to find the value of local stone, and it is one of the encouraging signs of the time that our architect to-day finds it profitable to give to his composition an opportunity for his craftsmen to fall in line and express themselves as well as swell the chorus. Spanish architecture owes not a little of its attraction to this veneration for old traditions."

"Here also at St. Davids is there a sympathetic handling of the red clay tile and the red brick, the latter used as string courses and panels, as an accent in the long areading which outlines the patio. Red brick also appears as a weathering of the buttresses and coping to the walls, piers and chimneys."

* * *

"Of course, the man of the world remembers with delight this Spanish phase of architectural detail because it brings to his mind the preferences of a great people. This type is as old as the best work of Italy plus Spain plus the remarkable use which Spain made of color and of materials which Spain made of color and of materials inviting color. Oriental glazes and enamels abound in their decorative treatments which they in their tireless energy embodied in tile so as to

make for themselves a description of ornament worth the attention of the best of us and often defying our skill to repeat. Beyond doubt before long our own continent will in its own fashion add to this form of composition color detail in very much the same way. Just now color is in the country house by virtue of the flowers, plants and foliage. Later, that stimulating note may be had in the shape of metallic oxides protected by translucent glaze. We look forward to that time. Meanwhile our architects are doing remarkably well by this further study of ornament prompted by flowers. That a step in this direction is well shown by views of the interior of this house everyone will recognize. The same cosmopolitanism which shapes the exterior is also responsible largely for the treatment of the main rooms within the house. The catholicity of taste permits the acceptance of many varying forms of architectural tradition."

* * *

The architect, whose work in the instance under discussion brings forth the tribute quoted from the pen of Mr. Howe, is no other than our distinguished fellow townsman, Mr. D. Knickerbacker Boyd, to whose genius in design Eastern Pennsylvania owes many of her finest examples of what has come to be known as the modern American "country house." Mr. Boyd, with Charles Barton Keen, Wilson Eyre, Edmund B. Gilchrist, Horace Wells Sellers, Robert R. McGoodwin, Walter Smedley, Clarence Z. Zantinger, Clarence De Armond, Arthur I. Meigs, Charles L. Borie, Jr., Walter Mellor, Herman L. Duhring, Jr., Charles A. Zeigler, John P. B. Sinkler, and Arthur H. Brockie, is doing work along the lines of domestic architecture that is attracting the attention of architects throughout the country to the eminence of Philadelphia in this field of design. The fame of what has come to be known as "the Philadelphia country house" has indeed spread far and wide largely as a result of the genius of the group named.

TO PREVENT HAIR-CRACKS.

Hair-cracks in cement work result from greater shrinkage in the rich, wet surface than in the body of the work. This can be prevented by the work covered and moist, and protected from sun and wind, for sufficient time to allow the surface to thoroughly harden. This may require from one to four weeks, according to weather and character of the work. Some specifications for ornamental concrete castings require that the work shall be kept moist, at uniform temperature, and protected from weather, for at least four weeks. Excessive troweling is often the cause of discolorations and hair-cracks on cement surfaces.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



A BIG YEAR IN REAL ESTATE.

During the 11 months of the present year, which ended with the close of November, 28,598 deeds conveying property of a total value of \$75,567,538 were recorded, as compared with 32,466 deeds of a total value of \$75,187,775 for the 12 months of 1914. For the 11 months of 1915 30,559 mortgages of a total face value of \$86,566,853 were recorded. To this may be added the \$3,500,000 mortgage on the Bellevue-Stratford, taken by the Philadelphia Company for Guaranteeing Mortgages, which has just been recorded. This gives a total of 30,500 mortgages of a value of \$90,066,853, which already show on the records of the Recorder of Deeds. When the total for December of this year, both as to deeds and mortgages, is compiled the indications are that the business which passed through the Recorder's office for the present year will show a considerable excess over that for last year, despite the view to the contrary entertained by some real estate brokers.

BUILDERS CONVENE IN BALTIMORE FEBRUARY 22-24.

The Builders' Association will hold its annual convention on February 22-24.

Leading architects are advocating contract reform with full arbitration of all questions. The builders are working to attain that end. That subject will be the main topic of discussion of the meeting.

Practically every building organization of note, whether a member of the National Association or not, will be represented.

DWELLINGS TOTAL 24,611.

Manhattan has 24,611 dwelling houses and 40,243 tenement houses.

PHILADELPHIA'S NEW ART GALLERY IN MODEL

Architects Complete Superb Model of the Projected Edifice Which is to Be Shown in the Pavillion in City Hall Courtyard. Horace Trumbauer, Zantzinger, Medary and Borie the Architects. Design Said to Be Notably Successful. Effect That of a Greek Temple

Employees of the architect, Horace Trumbauer, and his associates, Zantzinger, Medary and Borie, have completed the finishing touches to the superb model of the proposed Municipal Art Gallery which is to crown the heights of Fairmount on the old reservoir site facing the Parkway. The model is now open to the public, and comes as a kind of Christmas present to the city and citizens. It is on display in the pavilion in the courtyard of the City Hall.

As revealed, with its wealth of terraces and steps leading up from the street level of the Parkway to the level of the gallery, the model makes a splendid impression, and in style and arrangement is wholly unlike the previous design for a municipal art gallery, and with its main building and the projecting wings and pavilions affords ample opportunity for the housing of the Widener collection or any other collection which the city may receive from well-known local collectors, and gives the city a structural group which is admittedly finer than any of the famous art galleries here or abroad, and on a site of surpassing beauty.

The ground plan of the building is roughly like the letter E with the open side of the E facing the Parkway. This effect naturally makes an open fore-court one of the striking features of the design, and it is the treatment of this forecourt, with its enveloping wings, that is the original and significant thing of the group since these two wings, to the right and left, are long one-storied marble structures without windows, lit from the roof, and completed on the Parkway end with two temple-like pavilions which project slightly at right angles to the length of the wings.

Style Reminiscent of Classic.

These pavilions are relieved by recessed porches with columns on the end at right angles to the axis of the wings, while the plain wall surfaces facing the Parkway are decorated with a sculptural frieze in low relief which continues all along the extensions and gives an effect of beauty and dignity to the approach and also great simplicity. Passing between these corner pavilions, which are like small temples themselves, after the style of the Erechtheion on the Acropolis at Athens, one enters the forecourt, and immediately in front facing the patio is the entrance to the main section of the gallery, which is in the shape of an eight-columned temple of the

richly ornate Corinthian order with a magnificent sculptured pediment in full relief and with the gable of the pediment crowned with the figure of art in a sort of curule chair, while at the cornice angles acroteria in sculptured designs in the round complete the conventional temple effect. This part of the building extends far to the rear, cutting through the transverse wing that connects with the forward extensions and, as it were, carrying the control line of the E as far back as the arms of the E extend in front. All this makes for large wall surface for exhibition purposes and for the greatest seeming variety in a group of buildings, strictly classical, and yet presenting from every point of view effects of gables and column pavilions balancing the long blank wall spaces of the transverse and longitudinal galleries.

Greek Temple Effect.

The main gallery is the only part of the building which has windows in the wall veil, and this adds to the variety of effect also, as do the pavilioned ends of the transverse gallery where it joins the long arms that stretch to the Parkway. The roofs are the simplest of Greek gables, with slight inclination, that of the main structure carrying out the effect of a Greek temple. Crowning the hill as it does, the group is beautifully set in a series of terraces with steps and fountain plateaus in front and a graded and planted slope on the side and the rear where the leveled hill adjoins the older classical groups of the Fairmount Water Works buildings, which give the gallery surroundings of unusual artistic effects.

All those who have seen the model, lay and professional, are loud in their praises of the success that has crowned the work of the architect. And, since he is known to have gone over the matter with the late P. A. B. Widener, regret was generally expressed that Mr. Widener did not live to see the gallery realized so far as this great model, which nearly fills the pavilion in the City Hall courtyard, can realize the project.

If you can persuade people to buy your goods you make money. "The Guide rounds up in its clientele the people you want to persuade. A certain amount of space and the right kind of selling argument does the rest.

AMERICAN INSTITUTE CONVENTION

Forty-ninth Annual Gathering of the A. I. of A. a Business Rather Than an Aesthetic Session. City Planning Considered. L. L. Mauran, of St.

Louis Chosen President. M. B. Medary, Horace Wells Sellers, Warren P. Laird and Charles L. Borie, of Philadelphia, and F. A. Russell, of Pittsburgh, Made Recipients of Honors

The forty-ninth annual convention of the American Institute of Architects in Washington differed somewhat from the average of its predecessors. Greater attention was paid to business and less to aesthetics. The reason was that the Institute had been undergoing an organic reconstruction, a change in the character of membership, etc. The aesthetic side of architecture, however, was not neglected.

City planning received much consideration. Members from about a dozen cities told what was being done. The meeting showed that tremendous opportunities await the architect in city planning and emphasized the tremendous force which the architect could exert for general welfare.

The following officers for the ensuing year were elected: President, John Lawrence

Mauran, St. Louis; first vice-president, C. Grant LaFarge, New York; second vice-president, Milton B. Medary, Philadelphia; secretary, Bert L. Fenner, New York, and treasurer, D. Everett Waid, New York; directors, Edward H. Brown, Minneapolis; B. J. Lub-sch, Kansas City; Horace Wells Sellers, Philadelphia.

Guy Lowell, Boston, Mass.; Frank B. Meade, Cleveland, Ohio; C. H. Prindle, Chicago, Ill.; Donn Barber, New York; Owen Brainerd, New York; Warren P. Laird, Philadelphia, Pa.; Charles L. Borie, Jr., Philadelphia, Pa.; F. A. Russell, Pittsburgh, Pa.; E. B. Homer, Providence, R. I.; G. F. A. Brueggeman, St. Louis, Mo.; George S. Mills, Toledo, Ohio; W. H. Schuchardt, Milwaukee, Wis., were elected fellows.

prepared a slate as follows: For president, Harry M. Hart, Chicago; for first vice-president, Frank T. Chapman, New York; for second vice-president, Arthur K. Ohmes, New York; for treasurer, Homer Addams, New York. For members of the council: D. D. Kimball, New York; Henry C. Meyer, Jr., New York; Dr. E. V. Hill, Chicago; Frank Irving Cooper, Boston; Walter S. Timmis, New York; Charles R. Bishop, North Tonawanda, N. Y.; Fred R. Still, Detroit, and M. W. Franklin, East Orange, N. J.

**OSCAR WENDEROTH, formerly Supervising Architect, U. S. Treasury Department, has become associated with Weary & Alford, architects, 1907 South Michigan Boulevard, Chicago, Ill.

**RALMOND G. BULLOCK was recently appointed chief engineer of the Art Metal Construction Co., of Jamestown, N. Y. Mr. Bullock was formerly connected with this company, first as chief draughtsman and later as manager of the experimental department. He then came to New York as the manager of the local office. About eighteen months ago he resigned to become a member of the firm of Metzger & Bullock, architects and engineers, with offices at 18 East Forty-first street. This firm was successful in its competition for the plans of the new building for the Rome Trust Co., now under construction at Rome, N. Y.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**CHARLES M. SCHWAB, chairman of the Bethlehem Steel Company, was recently made a trustee of Cornell University to fill the vacancy caused by the death of Henry B. Lord, for many years a trustee of that institution.

**NEW YORK RETAIL HARDWARE ASSOCIATION will hold its annual convention at Buffalo, N. Y., February 15-18, 1916. Secretary, John B. Foley, Syracuse, N. Y.

**SOCIETY OF CONSTRUCTORS OF FEDERAL BUILDINGS will hold its annual convention at Washington, D. C., January 3-6. Headquarters will be at the Hotel Ebbitt.

**THOMPSON-STARRETT CO.'S stockholders, at a special meeting, ratified a proposal to reduce the capital stock of \$2,000,000 to \$1,500,000, by redeeming 5,000 shares of preferred stock.

**W. J. JOHNSON, manager of the Pittsburgh office of the Lidgerwood Manufacturing Co., hoisting engineers, 96 Liberty street, New York City, will also have charge of the new offices that company has opened in the Widener Building, Philadelphia, Pa.

**ARCHITECTURAL LEAGUE OF NEW

YORK will hold its thirty-first annual exhibition in the Fine Arts Building, 215 West Fifty-seventh street, from Sunday, February 6, to Saturday, February 26, 1916, inclusive. The annual dinner of the league will be held Friday evening, February 4, at 7 o'clock P. M. On Saturday, February 5, the league will hold a reception from 3 to 6 P. M. Public lectures will be given on Saturdays, February 12, 19 and 26.

**HUNT & HUNT, architects, 28 East Twenty-first street, New York, have prepared preliminary plans for memorial altar to the late George Vanderbilt, to be erected in All Souls' Church, Biltmore, N. C., which Mr. Vanderbilt had built and which he supported during his lifetime. A unique feature of the proposed work is that the oak to be used is that planted and grown on the famous Biltmore estate, and the wood carving will be done in the arts and crafts shop maintained on the estate.

**AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS, at its coming annual meeting, will elect its officers for the year. The Nominating Committee has

BUILDING CODE ACTIVITY.

Requests for committees of three from the Master Builders' Association, the Johnstown Engineering Society and the Cambria County Medical Society have been made by the Johnstown Chamber of Commerce Building Code Committee.

TO PROMOTE MANUFACTURES.

An organization has been formed in Baltimore, Md., to promote the development of manufacturing interests in that city by helping to finance established industries and securing new ones. The organization is known as the Industrial Corporation of Baltimore City.

ORGANIZE MANUFACTURERS' BUREAU.

At a recent meeting of the Board of Directors of the Chamber of Commerce of Reading, Pa., a Manufacturers' Bureau was organized with William A. Heizmann, Penn Hardware Company, as president.

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

CONCERNING PAINT AND PAINT-ING.

No one likes the term "sighting the work," and I have been called down more than once for using the term. So I have abandoned it and now say instead, how to economize on paint. For instance, a job is to have say two coats, and when you come to do the work you find places, as under the cornices, or other sheltered parts, that are in good condition and needing only one light coat. Now it is folly to apply two coats where one does as well, if not better. Yet the contract calls for the two coats, and from every standpoint but that of common sense you are bound to give two coats. There are jobs, exterior work, where no paint at all is required, but simply oiling, a coat of raw or boiled linseed oil, which will revive the work and cause it to wear well for a few years longer before actually needing paint. Again, there may be parts that need simply a very thing coat of paint, while other parts will demand the full coats. It is here where the expert comes in and knows what to do, in saving paint and making a good job. I have done work where the margin of profit was so narrow that every pound of paint counted. And what I say here I mean for the use of the reader who seeks to economize in doing the painting. It would be fine if one could get a proper price for every job, but so often the client is not able to have strictly high grade work done, even though wishing he could. But as I have intimated, the expert can take little paint and make a fine job.

I have been asked whether it would be economical for one to mix his own paint, counting time at regular rates, cost of materials, etc. I do not think it would pay, and certainly not where the mixer is not expert. Some large painting contractors have the paint factory to make up their paint after a certain formula, sometimes having the paint made ready for use, but mostly made up in paste form, color included, so that it has simply to be thinned in the shop for use. Many large shops employ a man for attending to the mixing of paint in the shop, and this man also has charge of all the appliances, etc. Usually he is an elderly painter, preferring to work in the shop rather than work outside; his salary, well earned, is usually much below the figures given full-hand painters. But where the business is not great enough to warrant the shop man, or the factory prepared paint, I think it would be best to buy ready mixed paint, and right here let me say that you can get strictly best paint if you want it and are willing to pay for it. Likewise you can get inferior paint; it is all according to the price, and the poor paint may often suit your purpose.

We have, fortunately, some data concerning the cost of producing hand-mixed paints. Taking 100 pounds of average keg lead, that is, lead that is not too old nor hard, and mixing it, or to use the trade term, breaking it up, and doing it as it should be done, namely, by adding a very little oil at a time, and mixing until the mass becomes a smooth paste, then

adding more oil until thin enough to strain, it will take an average painter from 30 to 45 minutes; to say an hour would be a liberal time allowance, surely. Then if color is to be added time must be given for that, say ten minutes, though in making up some shades, or more particularly matching some difficult shade, it will take more time, but we should think an hour for the whole operation a goodly allowance. Now, what will that hour cost you? From 25c. to 45c. Some estimate an hour per 100 pounds lead. As the amount of lead given will make about 8 gallons of mixed paint, and you know the cost of your lead, oil, driers, etc. by adding the mixing cost you will get cost per gallon. Speaking off-hand, it will cost about 8 or 10 cents per gallon to mix it. To mix the paint you would require from 7 to 9 gallons of oil, for exterior work, and for priming, while for the second and succeeding coats you would require from 5 to 6 gallons to the hundred of lead. Then your colors, which vary in cost per pound according to their kind. Some one has figured that it will cost \$1.82 to mix a gallon of paint in the shop, and \$2.25 to buy a gallon of the best factory mixed paint. But we are not at the end of our estimates. What about the spreading capacity of the two paints? Painters estimate that 6 pounds of white lead made up into paint with oil will give two coats to the square of 100 feet. Say this is correct. Then to mix up 100 pounds of lead in oil, lead at say \$7.25, oil at 80c., and driers 30c. per quart, the cost for the materials alone, for white paint, would be \$11.55. Or \$1.45 per gallon. A ready mixed paint of like quality would cost \$2.25 per gallon. Apparently there is a saving of about 75c. per gallon in the shop mixed paint, but of course there are other factors in the case, already given, also the loss due to mixing improperly, as may occur, causing waste, etc. It is claimed for the ready mixed or factory paint that it will cover more surface per gallon than the hand mixed paint will. The 100 pounds of lead made into white paint in the shop will cover say 1,667 square feet, two coats. It is claimed by the paint manufacturer that 5½ gallons of his high-grade mixed paint will cover the same amount of surface, this as against 8 gallons of shop mixed paint. Hence, the factory paint is cheaper because it covers better.

Covering Power of Paint.

This term is used to express two different properties of paint; first, it means the amount of surface which a gallon of paint will cover with a given number of coats. Second, covering power means the density of a paint; for instance, it will take four coats of white lead to cover up a surface that two coats of iron oxide will hide equally well. To distinguish between these two let us call the first covering, capacity; the second covering, density.

Spreading power of Paint.

The extent of a surface a given quantity of paint will cover is dependent upon a number of factors; first, the pigment and oil must be considered. Volume for volume, the paint

made from white lead is heavier than a similar paint made with lithopone or zinc white. Then there is the character of the surface to be covered. Paint will, of course, spread farther on a hard, non-porous surface than one that is soft and open. And there are all degrees of both in the surfaces we have to paint. Plaster, cement, iron, hard and soft wood, etc. After a surface has been coated over once or twice with paint the result is we have a uniform kind to deal with. In a general way it may be said that the first coat of bare wood will require twice as much paint, by measure, as will be required on the second or third coat. Here is an interesting table in this connection.

Square Feet Covered by 10 Pounds of Paint of Proper Consistency—First and Second Coat.

On Wood.

Red Lead	112	252
White Lead	221	324
Zinc White	378	453
Iron Oxide	453	540

On Metal—One Coat Only.

Red Lead	477
White Lead	678
Zinc White	1134
Iron Oxide	870

Approximate Hiding Strength.

Zinc White, spelter made.....	100
Lithopone	100
Pasie Sulphate White Lead.....	50
Carbonate White Lead.....	50
Neutral Lead Sulphate.....	25
Barytes	2

The linseed oil used in the best paints is the prime factor in the spreading power of a paint. For instance, where a paint of average consistency will cover 324 square feet, as with white lead, or 453 square feet, as with zinc white, raw oil will cover 872 square feet. The pigment that will take up the most oil will be the one to spread farthest. And there is a wonderful difference in the amount of oil that different pigments are capable of taking up. Zinc white takes it up very abundantly, hence covers over a vast surface as compared with certain other pigments. Lampblack is another pigment that takes up oil in large amount. Then again, there is the fineness of the pigment, that which is coarse taking little oil, while that which has been finely ground, or is fine naturally, as lampblack, taking much oil. And it is the oil that is the life of the paint, notwithstanding the fact that the pigment may be a rock or a metal. Remove the oil, as the sun and elements do, and the paint falls. It is necessary that the oil be pure linseed oil in order to get the maximum wear out of it. The least particle of mineral oil will spoil the wear and beauty. By mineral oil I mean coal oil or neutral petroleum oil. Benzine is undesirable, too, though not anything like as bad as the other oils of the mineral class. And considering that good paint after all is not expensive, why employ dope? Whether you mix it yourself or buy it ready to use, get the best and it will pay in the long run.—A. Ashman Kelly in "National Builder."

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
Chas. H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Asphalt Shingles.**
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Brick (Face, Etc.).**
O. W. Ketcham, Builders' Exchange, Phila.
- Brick Arches and Angles.**
R. B. Wible & Son, 11th and Ontario sts., Phila.
- Brick Renovating.**
Adolph Christensen, 1433 Brown st., Phila.
John Gallatig, 447 W. Dauphin st., Phila.
- Blue Prints.**
Chas. H. Robbins, 125 S. 11th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Blue Print Paper.**
Chas. H. Robbins, 125 S. 11th st., Phila.
- Builders.**
James P. Farrell & Co., 1619 Sansom st., Phila.
Graham-Campion Co., Heed Bldg., Phila.
Mitchell Bros., 2125 Race st., Phila.
Pomeroy Const. Co., 1609 Rantstead st., Phila.
Russell and Keffer,
Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
James G. Madden, Franklin Bank Bldg., Phila.
W. E. Wark Co., 1737 Filbert st., Phila.
- Cement.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Lehigh Portland Cement Co., Penna. Bldg., Phila.**
Knickerbocker Lime Co., 266 N. 24th st., Phila.
- Cement Colors.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Concrete Mixers.**
Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Contractors' Equipment.**
Pierce-Schmidt Co., Bulletin Bldg., Phila.
- Dampproofing.**
The Aquabar Co., Real Estate Trust Bldg., Phila.
Barrett Mfg. Co., N. Y. City and Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Door Hangers.**
Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co., 50 N. 6th st., Phila.
- Drawing Materials.**
Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Electrical Specialties.**
Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Electrical Construction.**
Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
Philadelphia Electric Co.,
10th and Chestnut sts., Phila.
- Engineers' Supplies.**
Charles H. Robbins, 125 S. 11th st., Phila.
Warren-Knight Co., 136 N. 12th st., Phila.
F. Weber & Co., 1125 Chestnut st., Phila.
- Fences.**
Anchor Post Iron Works,
Real Estate Trust Bldg., Phila.
- Fireproofing.**
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Flooring.**
Currie & Campbell Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Floor Renovating.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Finishes.**
R. O. Scheel, 9 S. 18th st., Phila.
- Floor Laying.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floor Planing.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Floors and Floor Finishing.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Furnaces.**
Abram Cox Stove Co.,
American and Dauphin sts., Phila.
- Furnaces and Ranges.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
United Gas Improvement Co.,
Broad and Arch sts., Phila.
- Granite.**
Holmesburg Granite Co., Fidelity Bldg., Phila.
- Hardwood Floors.**
General Flooring & Mfg. Co., 9 S. 18th st., Phila.
- Heating Contractors.**
Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
- Heating (Vapor).**
T. S. Johnson Sons Co., 622 Cherry st., Phila.
- Heating (Vapor).**
Vapor Heating Co.,
York, Pa., and North American Bldg., Phila.
- Heating Boilers.**
H. B. Smith, 1225 Arch st., Phila.
- Iron Work (Structural and Ornamental).**
James G. Madden, Franklin Bank Bldg., Phila.
W. E. Wark & Co., 1737 Filbert st., Phila.
- Lumber.**
Currie & Campbell, Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Howard Ketcham, 3d and Girard ave., Phila.**
James E. Tague & Co.,
10th and Columbia ave., Phila.
- Metal Lath.**
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- N. J. Wire Cloth Co.,**
Trenton, N. J., and 627 Market st., Phila.
- Marble Mosaic.**
Belfi Bros. & Co., 20-22 S. 19th st., Phila.
- Mill Supplies.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Mill Work.**
O. M. Weber Co., North Wales, Pa.
- Mortar Colors.**
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Overhead Carrying Systems.**
Richards-Wilcox Mfg. Co., 50 N. 6th st., Phila.
- Paints and Varnishes.**
Felton, Sibley & Co., 136 N. 4th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
- Pipe Fittings and Valves.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Preservatives (Wood and Concrete).**
Barrett Mfg. Co., N. Y. City and Phila.
F. E. Sagendorph, 131 S. 24th st., Phila.
- Radiators.**
H. B. Smith Co., 1225 Arch st., Phila.
- Ranges.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Refrigerators.**
Borden Stove Co., 118 N. 2d st., Phila.
Henry M. Miller, 46-48-50 N. 2d st., Phila.
- Roofing.**
Barrett Mfg. Co., N. Y. City and Phila.
Brinkmann Bros., 2615 Frankford ave., Phila.
T. S. Johnson Sons Co., 622 Cherry st., Phila.
- Roofing Slate.**
C. F. Shellenberger, Builders' Exchange, Phila.
- Roofing Tile.**
C. F. Shellenberger, Builders' Exchange, Phila.
O. W. Ketcham, Builders' Exchange, Phila.
- Scales.**
The Fairbanks Co., 7th and Arch sts., Phila.
- Sanitary Flooring.**
Leather Flooring Co.,
Glen Rock, Pa., & Land Title Bldg., Phila.
Philadelphia Mineral Flooring Co.,
5632 Summer st., Phila.
- Sewer Pipe and Flue Linings.**
C. F. Shellenberger, Builders' Exchange, Phila.
- Sash Pulleys.**
Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
- Soundings.**
Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
- Test Borings.**
Ridpath & Potter Co., Bourse Bldg., Phila.
John B. Rulon, 1355 Colwyn st., Phila.
- Star Work.**
O. M. Weber Co., North Wales, Pa.
- Structural Engineer.**
Harry C. Eisenbise Co., Penna. Bldg., Phila.
- Switchboards.**
Large-Dail Mfg. Co., 114 N. 13th st., Phila.
- Terra Cotta (Architectural).**
O. W. Ketcham, Builders' Exchange, Phila.
- Tile and Terrazza Work.**
Belfi Bros. & Co., 20-22 S. 19th st., Phila.
- Wall Board.**
Cell Board.
- The Philip Carey Co., 13th & Hamilton sts., Phila.**
James E. Tague & Co.,
10th and Columbia ave., Phila.
- "Compo."**
Howard Ketcham, 3d and Girard ave., Phila.
- "Utility."**
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.
- Waterproofing.**
The Aquabar Co., Real Estate Trust Bldg., Phila.
Barrett Mfg. Co., N. Y. City and Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
- Weather Strip (Metal).**
Standard Paint Co., 100 William st., N. Y. City.
- Weather Strip (Metal).**
Diamond Flexible Metal Weather Strip Co.,
Geo. R. C. Johnston, Drexel Bldg., Phila.
- S. B. MacDowell & Son,**
1927 Montgomery ave., Phila.
- Window Screens.**
S. B. MacDowell & Son,
1927 Montgomery ave., Phila.
- Wire Work.**
N. J. Wire Cloth Co.,
Trenton, N. J., and 627 Market st., Phila.
Audubon Wire Cloth Co., Inc., Audubon, N. J.



A 3/4" inside facing of Impervite mortar will waterproof any leaky cellar or pit. Satisfaction guaranteed or money refunded.

Send for Book 58

THE STANDARD PAINT CO. WAINWRIGHT & CO., Philadelphia
NEW YORK CHICAGO BOSTON H. LOEB & SON Philadelphia
THOS. ROBINSON Philadelphia

Let us estimate on your work
Alterations, New Construction, Repairs

RUSSELL & KEFFER

Carpenters and Builders

Commercial Trust Building, Philadelphia, Pa.

Prompt and Efficient Service. Low Cost

JOHN P. COGHLAN, President
JOHN THIEL, Vice-Pres.
VALENTINE C. TROUT, Sec. and Treas.

Main Offices

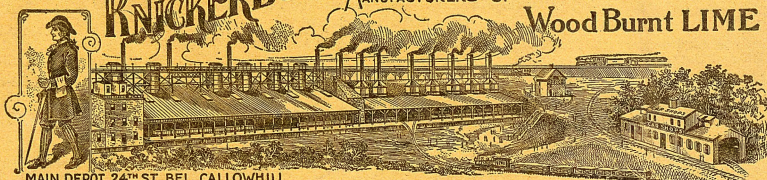
Bell
Locust 200
and 201

Keystone
Race 998

KNICKERBOCKER LIME COMPANY

MANUFACTURERS OF

Wood Burnt LIME



MAIN DEPOT 24th ST. BEL. CALLOWHILL
BRANCH DEPOT AMERICAN & DAUPHIN STS.

PHILADELPHIA

Knickerbocker Plastering Material in bags
ready for use—Wholesale and Retail

BUILDING LIME
HYDRATED LIME
CONCRETE STONE
READY FINISH
PLASTER PARIS

WHITE SAND
BAR SAND AND GRAVEL
ALL AMERICAN
PORTLAND CEMENTS

ATLAS WHITE CEMENT
EXPANDED METAL
HY-RIB
PLASTERING LATH
MORTAR COLORS

CEMENT STAINS
CORNER BEADS
WALL TIES
KEEN'S CEMENT
MIXED MORTAR

KING'S AND KEYSTONE
HARD WALL
PLASTER
WATERPROOF TRUS-
CON FINISHES

Branch
Office

Telephone
Bell

Locust 200
and 201

BUILDING, PAVING AND BRIDGE STONE

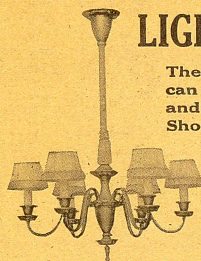
HOLMESBURG GRANITE COMPANY

112 No. Broad St., Phila.

The face stone in the Masonic Homes, Elizabethtown, Pa. is the
Buff Color Holmesburg Granite.

ZANTZINGER, BORIE & MEDARY, Architects

Quarry: Holmesburg, Phila., Pa.
with P. R. R. Sidings



LIGHTING FIXTURES

The Question of their Selection
can be Settled with Satisfaction
and Economy by Visiting Our
Show Rooms.

LOGUE-STRONGE MFG. CO.

221 No. 16th Street
Philadelphia

A Few Minutes Walk from the Railroad
Stations

The Daily Building News increases your business opportunities

Verified—Reliable—Dependable

Let us show you how to use this Service profitably

BUILDING NEWS PUBLISHING CO.,

Perry Building, Philadelphia, Pa.

Impervious Face Bricks

All Colors

S. B. DOBBS, 1218 Chestnut Street, Philadelphia, Pa.

Rough Texture Brick in Golden, Gray and Red Groups

When writing to advertisers, please mention THE BUILDERS' GUIDE.